

53rd ASHP Midyear Clinical Meeting & Exhibition

Anaheim, CA

December 2–6, 2018

- 1527 General Information & Travel Tips
- 1530 When You Arrive in Anaheim
- 1534 Education Information
- 1544 Schedule-at-a-Glance
 - 1544 Saturday/Sunday
 - 1546 Monday
 - 1547 Tuesday
 - 1549 Wednesday
 - 1551 Thursday
- 1552 Special Events & Activities
- 1564 ASHP Board Review and Recertification Events—Live
- 1576 Pre-Meeting Workshops
- 1578 Resident and New Practitioner Programming
- 1581 ASHP Student Forum Programming
- 1586 Programming for Small & Rural Hospital Practitioners
- 1588 Pharmacy Residency & Technician Training Activities
- 1590 Networking Sessions
- 1596 Educational Sessions
 - 1596 Saturday/Sunday
 - 1607 Monday
 - 1616 Tuesday
 - 1633 Wednesday
 - 1644 Thursday
- 1648 Industry-Supported Symposia
- 1651 Poster Presentations
- 1665 Meeting Registration Form
- 1667 Hotel Map
- 1668 Hotel Reservation Form



Experience Some Midyear Magic

ASHP's Midyear Clinical Meeting is the largest gathering of pharmacists and the longest running clinical meeting in the world.

The Midyear Clinical Meeting is attended by more than 25,000 pharmacy professionals from all over the globe and provides valuable opportunities for professional development, networking, and staying current with the latest products and innovations. Join us this December at the biggest and best pharmacy event in the world and experience some Midyear magic!

General Information & Travel Tips

NOTE: This program information is preliminary and subject to change. For the most current information, visit the meeting website at midyear.ashp.org.

Meeting Location

Experience sun-soaked Southern California with the convenience of a meeting destination that's just steps away from everywhere you'll want to be (after attending all the Midyear meeting has to offer, of course). As an ever-evolving city, Anaheim always has something new to offer, whether you are a foodie, craft-beer lover, adventure seeker, or shopper. Explore nearby attractions, arts, and sports. Discover the revitalized downtown with the Anaheim Packing District and nearby Center Street Promenade. Need a dose of the sea air in December? Orange County boasts 42 miles of legendary coastline just a short drive away.

Consistently ranked as one of the top meeting venues in the U.S. in terms of its size, attendance, overall building services, and amenities, the newly expanded Anaheim Convention Center is the location of the 2018 Midyear Clinical Meeting & Exhibition. **All ASHP sessions, events, and exhibits will take place at the Anaheim Convention Center and new ACC North, unless otherwise noted.**

Please refer to the onsite program for exact locations and room assignments.

Pre-Registration

Act quickly to save! Early bird registration closes October 18, and online advance registration ends November 29. Onsite registration will be available at an increased rate. ASHP discounted member rates also apply to members of the Canadian Society of Hospital Pharmacists (CSHP). Register online at midyear.ashp.org, or call 1-866-279-0681 (International: +1-301-664-8700), Monday through Friday, 8:00 a.m. to 6:00 p.m. ET. For rates and registration options, see the meeting Registration Form on page 1665.

Confirmations

On receipt of your registration and payment, ASHP will send you a meeting confirmation to verify all activities for which you are registered. Please save your confirmation email in case you have questions later.

Cancellations

All meeting cancellations are subject to a \$75 handling charge. NO REFUNDS will be issued after November 19, 2018 (postmark or fax date).

Special Promotions

Buy Wednesday, Get Thursday Free

Attendees registered for the meeting on Wednesday, December 5, can attend the meeting on Thursday, December 6, for no additional fee.

Access Educational Session Recordings

Don't miss a single session. Access to all available educational session recordings is included in the full registration fee.

Arrangements for Special Assistance

If you have any disability for which you require an auxiliary aid or special service while attending this meeting, contact the ASHP Conference and Convention Division at 301-664-8822 or CCD@ashp.org by November 2.

Childcare Services

New this year, childcare services will be available during the Midyear meeting. This program will be provided December 2–6, 2018, and is for children ages six months through 12 years old. The service will be located at the Hilton Anaheim. To learn more about the program, fees, and hours and to register, visit the meeting website.

Educational Session Materials

Available November 15!

Materials will be available on the web-based itinerary planner to download or print for all registered attendees November 15. Print the materials for the sessions you plan to attend before the meeting and bring them with you. Handouts will not be provided in the session rooms.

Visit www.eventscribe.com/2018/ASHP-Meeting for more information.

NOTE: Printers will not be provided onsite.

Hotel Reservations

Book early for the best rates and selection. ASHP has negotiated discounted rates at a variety of hotels in Anaheim to meet all budgets and preferences. **Hotel reservations will be accepted until November 2 at 8:00 p.m. ET or until the room blocks are sold out, whichever occurs first.** After this date, reservations will be made based on availability, and hotels may charge higher rates. You must be registered for the meeting in order to reserve a hotel room at the convention rate.

Reservations booked through Orchid.Events, ASHP's official housing company, receive exclusive benefits:

- Complimentary guest-room Internet
- No resort fees
- Shuttle service to the convention center for six days
- Protection in the event the hotel oversells its rooms
- And more

To book a room, visit

book.passkey.com/event/49660818/owner/1418/home or call 877-505-0675 (agents available 9:00 a.m. to 8:00 p.m. ET, Monday through Friday).

Hotel Reservation Alert!

Unauthorized and fraudulent companies (such as Hotelplanner.com) have been approaching ASHP attendees and exhibitors offering hotel reservations via unauthorized or even sham websites (such as <http://ashp2018.org> and <https://ashp.2018meeting.org>), e-mail communications, and phone calls. These companies are in no way affiliated with ASHP, the Midyear Clinical Meeting, Visit Anaheim, or Orchid.Events. Neither ASHP nor Orchid.Events can verify the authenticity of these companies or the reservations. All meeting hotel reservations should occur online via ASHP's meeting website (midyear.ashp.org), phone (1-877-505-0675 or 801-505-4613), fax (801-355-0250), and mail via the address at midyear.ashp.org. Orchid.Events is the only official housing company for the meeting.

ASHP LIVE! APP

Download **ASHP LIVE!** app before you get to **Anaheim**

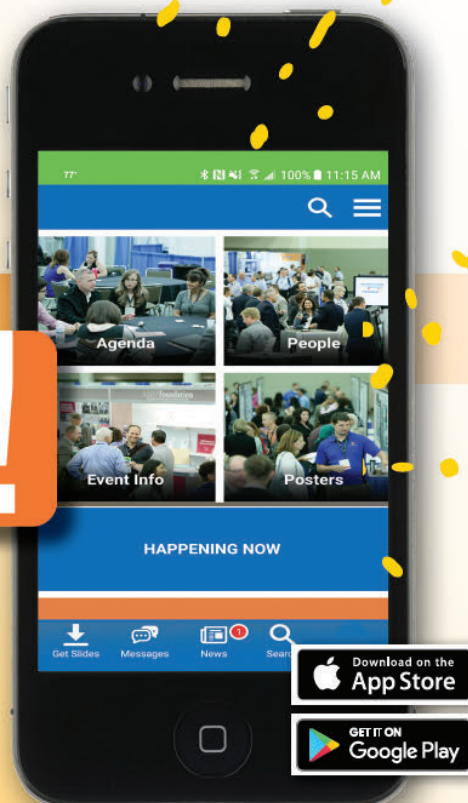
Available for download on **November 15th**

Why you should download the app before the meeting:

- Faster onsite app speeds
- Ability to download all slides faster and more efficiently
- Manage your personal meeting schedule
- Access pre-meeting information



Don't get stuck buffering at the Midyear, download the app before you get onsite!



Shuttle Bus Service

Saturday, December 1 through Thursday, December 6

Shuttle bus service will be provided from all official Midyear meeting hotels to the Anaheim Convention Center, except for the properties that are walking distance from the Anaheim Convention Center. These walkable properties include the Anaheim Marriott, Anaheim Portofino Inn & Suites, Best Western Plus Raffles Inn & Suites, Clarion Hotel Anaheim Resort, Cortona Inn & Suites Anaheim Resort, Courtyard by Marriott Anaheim Resort CC, DoubleTree Suites by Hilton Hotel Anaheim Resort CC, Hilton Anaheim, Homewood Suites by Hilton Anaheim Resort CC, Hyatt House at Anaheim Resort CC, Hyatt Place at Anaheim Resort CC, Red Lion Hotel Anaheim Resort, Residence Inn Anaheim Resort CC, Sheraton Park Hotel at the Anaheim Resort, and SpringHill Suites Anaheim Resort CC.

The official shuttle schedule will be available in October.

Although ASHP does not provide shuttle service from the airport, visit the meeting website's Frequently Asked Questions page for information on discounted airport transportation and details on how to make a reservation.

Sorry, No Children

For health and safety considerations, children under the age of 16 are not permitted in the Exhibit Hall, Poster Sessions, Residency Showcase™, Personnel Placement Service (PPS), or sessions.

Attendees of the Midyear Music Festival must be 18 years of age or older with proper ID.

Social Media

Build your online connections and stay up-to-date with what's going on at the meeting:

- Use the hashtag #ASHP18 on Twitter and Instagram. Tag your photos, tweets, and videos with the hashtag #ASHP18 to share them with fellow attendees, your online friends, and colleagues.
- Follow #ASHP18 on Twitter and Instagram.
- Like our Facebook page: facebook.com/ASHPOfficial. We'll post daily highlights and photos during the meeting, and we look forward to you sharing your meeting highlights as well. Tag us so we'll see your mentions.
- Follow us on Twitter, @ASHPOfficial, where you'll get the latest scoop on meeting highlights, contests, and more.
- Download the ASHP LIVE! app to create custom schedules and navigate the meeting.

Did we mention the best part? We'll be giving away prizes throughout the week. Follow #ASHP18 to learn how you might win!

Travel

Options Travel is your one-stop shop for making travel reservations for the Midyear Clinical Meeting. Take advantage of low-fare options on all airlines, while still earning your personal frequent flyer points. Options Travel agents are available for reservations from 8:30 a.m. to 8:00 p.m. ET, Monday through Friday. Service fees apply to ticketed reservations.

To book with Options Travel, visit the meeting website's Hotel and Travel page.



When You Arrive in Anaheim

First Things First—Go to Registration

Anaheim Convention Center

Preregistered Attendees and Exhibitors: Be sure to bring your registration confirmation barcode (exhibitors must type in their names)—it'll get you through the fast lane of preregistered/advance registration. Simply scan your barcode or type your name at the preregistered/advance kiosk.

NOTE: Registration orders must be paid in full, and you must present photo identification prior to badge pickup. Assistance will be available if you choose to register onsite.

Hours:

Saturday–Monday	7:00 a.m.–5:30 p.m.
Tuesday	7:30 a.m.–5:30 p.m.
Wednesday	7:30 a.m.–5:15 p.m.
Thursday	9:00 a.m.–12:00 p.m.

Satellite Registration: Anaheim Marriott & Hilton Anaheim

Preregistered Attendees: Bring your registration confirmation barcode with you and scan it at our satellite registration kiosks to pick up your badge.

Exhibitors: You are welcome to use the satellite registration. Just type your name, show your ID, and pick up your badge.

Hours:

Saturday & Sunday	7:00 a.m.–6:00 p.m.
Monday	7:00 a.m.–12:00 p.m.

Customer Relations

If you would like to renew your membership, check on a recent order, or update your profile, visit Customer Relations, located next to Attendee Registration.

Hours:

Saturday–Monday	7:00 a.m.–5:30 p.m.
Tuesday	7:30 a.m.–5:00 p.m.
Wednesday	7:30 a.m.–5:15 p.m.
Thursday	9:00 a.m.–12:00 p.m.

After Registration, Check Out the . . .

ASHP Store

Visit the ASHP Store to purchase and learn more about ASHP's latest products, programs, and services. Exclusively during the meeting, attendees will receive a 10% discount on ASHP products* *plus* receive free shipping (both domestic and international). This special offer is *only available* onsite to Midyear attendees.

Featured ASHP products and programs you can browse onsite include:

- *Handbook on Injectable Drugs, 20th edition*
- ASHP Professional Certificate Programs
- Specialty Board Review and Recertification Resources
- AHFS Drug Information® products and databases
- *Letters from Women in Pharmacy*
- *Demystifying Opioid Conversion Calculations, 2nd edition*
- Plus many more!

**some exclusions may apply*

Hours:

Saturday & Sunday	7:00 a.m.–5:30 p.m.
Monday	7:00 a.m.–6:00 p.m.
Tuesday	7:30 a.m.–6:00 p.m.
Wednesday	7:30 a.m.–5:15 p.m.
Thursday	8:30 a.m.–3:15 p.m.

ASHP Experience Center

Make the most out of your ASHP Membership! Visit the ASHP Experience Center to learn how ASHP supports your practice, your career, and your professional development. This is your opportunity to speak directly with content specialists, ASHP leadership, and pharmacy practice experts. Discover what resources and opportunities are available to you exclusively as an ASHP member and how ASHP is working to help advance the practice of pharmacy and support the development of the pharmacy workforce. Plus, take a break with some fun and games with opportunities to win exciting prizes!

Hours:

Monday & Tuesday	11:00 a.m. – 3:00 p.m.
Wednesday	11:00 a.m. – 2:00 p.m.

Business and Social Functions

A listing of social functions and their locations will be available in advance on the Midyear meeting website and onsite via the ASHP LIVE! app or the printed insert in the meeting registration bag.

Exhibit Hall

Featuring some of the most innovative technologies and products, the exhibit program is a must-attend component of the Midyear Clinical Meeting. Peruse the Exhibit Hall, participate in a hands-on demonstration, and learn for yourself how these companies and their products are helping to define what is important to patient care, your practice, and your career. Build on existing relationships and make new ones with highly qualified pharmacy professionals who matter to your business.

To view an interactive map of the Exhibit Hall with company names and booth numbers, visit the meeting website's Exhibition page.

Hours:

Monday–Tuesday 11:00 a.m.–3:00 p.m.
Wednesday 11:00 a.m.–2:00 p.m.

NOTE: You must be 16 years or older to enter the Exhibit Hall.

Membership Information Center

Pick up your member ribbons and learn more about ASHP Sections and Forums, including the new Section of Specialty Pharmacy Practitioners and the Pharmacy Technician Forum. Discover unique opportunities for networking, career growth, and continuing education, all of which will help you advance professionally. Member volunteers will also be available to answer your questions and help you make the most of your Midyear meeting experience.

NOTE: Member ribbons will be available for pickup at this location.

Hours:

Saturday & Sunday 7:00 a.m.–5:30 p.m.
Monday 7:00 a.m.–6:00 p.m.
Tuesday 7:30 a.m.–6:00 p.m.
Wednesday 7:30 a.m.–5:15 p.m.
Thursday 8:30 a.m.–3:15 p.m.

Personnel Placement Service (PPS)

PPS is the industry's largest and most widely attended national pharmacy recruitment event. Hosting more than 3,000 pharmacy candidates and nearly 400 employers, PPS is where pharmacy residency, fellowship, and employment connections are made.

Hours:

Sunday–Wednesday 7:30 a.m.–5:00 p.m.

Pricing:

	Through October 22	On or After October 23
Student	\$90	\$150
Resident	\$125	\$210
Applicant	\$140	\$240

For more information, visit the Midyear meeting website or email pps@ashp.org.

Promotional Theaters

Promotional theaters taking place during the meeting are informational or promotional in nature. Their content and the opinions expressed by presenters are those of the sponsors or presenters and not those of ASHP. CE credit is not offered for attendance. Promotional theaters will be held at the Anaheim Convention Center. A listing of promotional theaters and their locations will be available in advance on the ASHP meeting website and onsite via the ASHP LIVE! app or the printed insert in the meeting registration bag.

Residency Showcase™

For an up-to-date list of programs, visit the Residency Showcase page on the 2018 Midyear meeting website or the ASHP LIVE! app (available November 15). Printed listings will be available at the showcase while supplies last.

Hours:

Monday 1:00 p.m.–4:00 p.m.
Tuesday 8:00 a.m.–11:00 a.m.
1:00 p.m.–4:00 p.m.

Restaurant Reservation Center

Conveniently located in the Anaheim Convention Center Lobby, the Restaurant Reservation Center offers a full selection of menus for review and friendly professionals provide complimentary reservation services to exhibitors and attendees alike. Dinner reservations are recommended in the Anaheim Resort and surrounding area. To make reservations in advance of arrival in Anaheim, call 714-765-8880.

Sponsors

ASHP would like to extend a special thanks to the following sponsors:

Diamond Sponsors



WiFi, Meeting & Activity Planner, and Meter Boards
www.alkermes.com



ASHPTV
www.pfizer.com

Platinum Sponsor



Aisle Signs, Floor Stickers, Park Benches, and Table Clings
www.melinta.com

Gold Sponsors



Hotel Keys
www.fresenius-kabi.com



Escalator Clings
paratekpharma.com



Lanyards
www.pharmedium.com

Silver Sponsor



Badges
www.weibond.com/en/index.aspx

Additional Sponsors



Committed to Infectious Diseases

Lobby Banner and Meter Boards
www.astellas.us



Floor Stickers
www.baxter.com



Table Clings
www.capspharmacy.com



Meter Boards
www.cutispharma.com



In Room Table Tents
www.nexuspharma.net



Exhibit Hall Banner
www.parsterileproducts.com



Meter Boards
www.quvapharma.com



You Are Here Signs
www.sagerx.com



Park Benches
www.takeda.us



Lobby Banners
www.tevausa.com

Education Information

ACPE Accreditation



The American Society of Health-System Pharmacists is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education.

Some states have special criteria for program content to meet their requirements for continuing education. Check with your state to determine if such requirements exist and to determine which Midyear Clinical Meeting educational sessions meet those requirements.

- **Pharmacists**

ASHP determines the number of contact hours for each session. Registrants may earn up to 30 contact hours (3.0 CEUs) at ASHP's 53rd Midyear Clinical Meeting.

- **Pharmacy Technicians**

Sessions specifically designed for pharmacy technicians are designated with a "T" following the ACPE number. For information on pharmacy technician certification and continuing education requirements, contact PTCB at 800-363-8012 or contact@ptcb.org.

Educational Objectives

The 2018 Midyear Clinical Meeting educational sessions are developed to maintain and enhance the knowledge, skills, and competence of pharmacists and technicians in acute and ambulatory settings through skill-building and active participation in sessions on important issues relevant to contemporary practice. The educational goal of this meeting is to provide information and instruction on a variety of topics to enable pharmacy practitioners to provide quality patient care.

Target Audience

Educational activities are planned and structured to meet either the knowledge-based or application-based educational needs of pharmacists and pharmacy technicians in a variety of settings. This includes those practicing in large and small hospitals, managed care facilities, ambulatory care settings, inpatient facilities, outpatient clinics, and homecare settings, as well as in academia and the pharmaceutical industry.

Continuing Pharmacy Education

In accordance with ACPE's Accreditation Standards for Continuing Pharmacy Education (CPE), ASHP fully supports the following:

- **Definition of Continuing Education**

CPE for the profession of pharmacy is a structured educational activity designed or intended to support the continuing development of pharmacists and/or pharmacy technicians to maintain and enhance their competence. CPE should promote problem-solving and critical thinking, and it should be applicable to the safe practice of pharmacy.

- **Active Learning**

A basic principle and best practice in adult learning, active learning means interaction with faculty and other participants to improve learning, retention, and application of new knowledge and skills. Even in large sessions, faculty use participatory instructional techniques intended to engage you more fully as a learner.

- **Learning Assessment and Feedback**

Learning assessment and feedback are part of every activity; while participating in an activity, attendees will assess their own learning through various teaching formats and techniques.

- **Activity Types**

CPE activities at the 2018 Midyear Clinical Meeting are knowledge-based and application-based. Knowledge-based sessions are designed primarily for acquiring factual knowledge; application-based sessions primarily apply the information learned in the time allotted.

- **Topic Designations**

ACPE universal activity number topic designations are used by boards of pharmacy when a specific type of CPE is required for re-licensure:

- 01 Disease state management/drug therapy
- 02 AIDS therapy
- 03 Law
- 04 General pharmacy
- 05 Patient safety
- 06 Immunizations
- 07 Compounding, sterile and non-sterile

• Evaluations

ACPE standards require us to develop and conduct evaluations for each CPE activity. Beyond this requirement, your feedback is important to us for evaluating achievement of the learning objectives, quality of faculty, effectiveness of teaching methods and materials, and perceptions of commercial bias.

• ACCME Standards for Commercial Support

ACPE has adopted the ACCME Standards for Commercial Support. These standards require separation of continuing education from commercial influence. Instructional materials for CPE activities, including presentation slides, undergo peer review to ensure compliance with the Standards for Commercial Support.

• Relevant Financial Relationships Disclosure Statements

Presenters, program chairs, planners, reviewers, ASHP staff, and others with an opportunity to control CE content are required to disclose financial relationships with commercial interests. In accordance with these standards, all potential conflicts of interest have been resolved prior to the CPE activity taking place. ASHP will disclose financial relationship information to meeting attendees in the onsite program, on the mobile app, and at the beginning of the education session. ASHP maintains disclosure information on file for six years. Poster disclosures are displayed in the lower-right corner of the poster boards.

Continuing Professional Development

An approach to lifelong learning, continuing professional development (CPD) is a process of active participation in learning activities geared to helping individuals develop and maintain continuing competence, enhance their professional practice, and support achievement of their career goals. CPD emphasizes self-reflection as well as educational plan development, implementation, documentation, and evaluation. Educational sessions and other activities at the meeting may form part of your own CPD plan. For more information, visit www.acpe-accredit.org/continuing-professional-development.

Levels of Content

ASHP categorizes the educational content into the following levels:

- **General Interest:** No prior knowledge of the specific content is required.
- **Intermediate:** Basic knowledge of the specific content area is suggested, but extensive experience is not necessary.
- **Advanced:** General working knowledge of the specific content area is suggested; information will be provided to expand current expertise.

Educational Session Materials

Materials will be available on the web-based itinerary planner to download or print for all registered attendees on **November 15**. Print the materials for the sessions you plan to attend before the meeting and bring them with you. Handouts will not be provided in the session rooms. Visit www.eventscribe.com/2018/ASHP-Meeting for more information.

NOTE: Printers will not be provided onsite.

Featured Programming: Opioid Use

The 2018 Midyear Clinical Meeting is the premier place to learn better ways for managing your practice around the devastating opioid public health crisis. Education sessions addressing ways to prevent opioid misuse, treat opioid disorders, and advance better pain management strategies will be covered in over 15 hours of continuing education throughout the meeting.

Featured Programming: Well-Being and Resilience

Healthcare personnel of all kinds, across all specialties and care settings, are experiencing alarming rates of burnout. ASHP recognizes that a healthy and thriving pharmacy workforce is essential to ensuring optimal patient health outcomes and safety. Therefore, ASHP is committed to fostering and sustaining the well-being, resilience, and professional engagement of pharmacists, pharmacy residents, student pharmacists, and pharmacy technicians. Workforce well-being supports improved patient-clinician relationships, a high-functioning care team, and an engaged and effective workforce. Actions taken so far include formal sponsorship of the National Academy of Medicine's Action Collaborative on Clinician Well-Being and Resilience, creation of a Connect forum, development of a resource page, and provision of educational opportunities.

At the Midyear Clinical Meeting, we have 10 sessions with over 13 hours of programming dedicated to this important topic. When we invest in healthcare workforce well-being, everyone wins!

Intensive Studies and BCOP Clinical Sessions

The Intensive Studies and BCOP Clinical Sessions are advanced-level, thought-provoking sessions that are open for all Midyear Clinical Meeting attendees. However, if you are board-certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. These sessions are approved by BPS to provide recertification credit. For BCOP clinical sessions, credit earned will be applied in 2018 or 2019, depending on the year in which the assessment is successfully completed. Purchase package(s) before December 6 at 12:00 p.m. for special Midyear meeting pricing.

For more information, see page 1564.

Industry-Supported Symposia

ASHP Advantage, a brand of ASHP, specializes in developing customized, needs-based educational activities for pharmacists, physicians, and other healthcare professionals. For ASHP Advantage symposia presented at the ASHP Midyear Clinical Meeting, you may process continuing education credit online at elearning.ashp.org.

Other industry-supported symposia have been scheduled in conjunction with the 2018 Midyear Clinical Meeting and will be held throughout the week. The symposium organizer is responsible for content, logistics, and issuance of continuing education credits.

Management Case Studies

Find out how your peers are meeting today's administrative challenges by discussing actual cases in pharmacy management. Each presentation focuses on one pharmacy department's administrative steps and decision-making processes on planning and implementing a new program or resolving an administrative problem. Cases may be presented by an individual or a team and will consist of a 20-minute case summary followed by a brief period of questions, answers, and discussion.

Pearl Sessions

The object of each pearl presentation is to convey one idea, concept, or fact that has been useful in day-to-day practice and may not be widely known, understood, published, or taught. Among the categories of pearls this year are Safety and Quality, Management, Clinical, Informatics, Emergency Medicine, and, for students, Career Pearls and Clinical Pearls for Students.

Posters

Poster sessions allow attendees to informally discuss current projects in pharmacy practice with colleagues. This is your opportunity to pick up ideas from hundreds of successful programs that have worked in other healthcare systems.

NOTE: CPE credit is not offered for poster sessions, unless otherwise stated.

Poster Mentors

Poster mentors volunteer just a few moments of their time to provide one-on-one feedback and guidance to residents and students on their projects. The insightful feedback of practicing professionals helps the students and residents become the rising stars of our profession.

Poster mentors are welcome to volunteer onsite. Visit the poster hall on the day that you plan to volunteer to find out more about this important opportunity.

Educational Session Recordings

With so many educational sessions to choose from, it used to be impossible to catch them all—but not any longer. The full-meeting registration fee includes access to all available educational session recordings. Access the sessions you've missed online and attend at your leisure.

NOTE: CPE credit is not available for the recordings.

CE Processing

After participating in the educational activities of this meeting, attendees process and claim their CE credit online through the ASHP eLearning Portal at elearning.ashp.org. Attendees claiming their CE online will be able to view their CE statements immediately. **All attendees must complete an evaluation and claim their CE by January 31, 2019.**

NOTE: To ensure that your credit hours have been transferred to CPE Monitor, verify the accuracy of your CPE Monitor profile prior to the 60-day deadline. After 60 days, ASHP is unable to transfer your CE credit hours to CPE Monitor.

NABP's CPE Monitor

To process CE, pharmacists and pharmacy technicians must enter an NABP e-Profile ID, birth month, and date in the eLearning Portal.

After you have entered this information, it is saved for future CE processing. You may obtain your e-Profile ID at nabp.pharmacy.



3-YEAR RECERTIFICATION PLANS

Ambulatory Care Pharmacy
Critical Care Pharmacy
Geriatric Pharmacy
Pediatric Pharmacy
Pharmacotherapy

All the
hours you
need

Unlimited
access

Multiple
formats

\$12
per
month*

*Non-member price is
\$24 per month

ASHP is the **only** recertification provider to offer real-time reporting of BPS recertification credit. Once an assessment is completed with a passing score, the recertification credit will post immediately to your professional profile.



All Ambulatory Care Pharmacy resources are offered jointly with the American Pharmacists Association (APhA).

Florida Department of Health CE Credits

Florida-licensed pharmacists must self-report their meeting continuing pharmacy education credit hours to CE Broker. ASHP is not offering Florida Consultant Pharmacy CE at this meeting.

Special Acknowledgments

ASHP would like to thank the following organizations for their assistance in planning educational sessions:

Accreditation Council for Pharmacy Education

- ACPE Update 2018

American Association of Colleges of Pharmacy

- Unlocking Your Potential in Academic Pharmacy

American College of Clinical Pharmacy

- (BCOP Clinical Sessions) Advances in Cardio-Oncology: Prevention and Management of Cardiovascular Complications Associated with Anticancer Therapies
- (BCOP Clinical Sessions) Do You Immuno? Supporting Patients with Advanced Malignancy Receiving Immunotherapy—From Symptom Management to Effective Communication and Beyond!

American Pharmacists Association

- Expanding the Roles of Clinical Pharmacogenomics and Its Implementation
- Using Population Health Initiatives to Expand Pharmacist Services
- A Look at Psychiatric Pharmacogenomics in Practice
- Examining the Influence of Cardiovascular Outcome Trials: Is It the Heart of Diabetes?

Institute for Safe Medication Practices

- ISMP Medication Safety Update for 2019

Joint Commission Resources

- The Joint Commission Medication Management Update for 2019

Pharmacy Technician Certification Board

- Extending the Reach of the Pharmacy Enterprise: Expansion of Pharmacy Technician Roles

United States Pharmacopeial Convention

- Emerging USP Standards: Improving Patient Safety with Opioid Standards
- Ensuring Regulatory Success with USP Compounding Standards: <797>, <795>, <800>

Continued on page 1544

Continued from page 1537

Schedule-at-a-Glance

KEY: Blue = CE Credits | Purple = Special Event

Saturday, December 1

7:00 a.m.–6:00 p.m.	Clinical Skills Competition Semi-Final Round (closed session)
7:30 a.m.–6:00 p.m.	Live Pharmacotherapy Specialty Review and Recertification Course (separate fee required)
8:00 a.m.–5:00 p.m.	(Pre-Meeting Workshop) Residency Program Design and Conduct (RPDC): (separate fee required) <ul style="list-style-type: none"> • RPDC A: PGY1 New Programs • RPDC B: PGY1 Existing Programs • RPDC C: PGY2 New and Existing Programs

Sunday, December 2

7:00 a.m.–8:30 a.m.	Pharmacy Student Forum Advisory Group Meetings (closed session by invitation only)	
7:30 a.m.–5:00 p.m.	Personnel Placement Service (PPS)	
7:30 a.m.–6:00 p.m.	Live Pharmacotherapy Specialty Review and Recertification Course (separate fee required)	
8:00 a.m.–9:00 a.m.	Implementing a Novel Drug Therapy Committee to Evaluate Extremely High-Cost Therapies at an Academic Medical Center	
8:00 a.m.–4:45 p.m.	(Pre-Meeting Workshop) 340B University™ (separate registration required)	
8:00 a.m.–5:00 p.m.	(Pre-Meeting Workshop) Basic Statistics: A Nonthreatening Approach to the Use of Statistics in Clinical Trials 2018 (separate fee required)	
8:30 a.m.–9:30 a.m.	First-Time Attendee Welcome Event	
8:30 a.m.–10:30 a.m.	Innovations in Drug Information Practice and Research 2018	
8:30 a.m.–5:00 p.m.	Programming for Residents and New Practitioners:	
	Career Development: <ul style="list-style-type: none"> • Solution-Driven Strategies: Promoting Clinician Well-Being (8:30 a.m.–10:00 a.m.) 	Clinical Development: <ul style="list-style-type: none"> • Managing Marijuana: Navigating Patient Safety Issues in the Age of Legalized Cannabis (9:00 a.m.–10:00 a.m.)
	<ul style="list-style-type: none"> • Are You Smart? Using Emotional Intelligence for Professional Advancement (10:15 a.m.–11:45 a.m.) 	<ul style="list-style-type: none"> • Five Stages to Discontinuing Opioids: Having Conversations to De-Escalate, Discontinue, or Deprescribe Opioids for Chronic Pain (10:15 a.m.–11:30 a.m.)
	Lunch on Own (11:45 a.m.–12:45 p.m.)	
	<ul style="list-style-type: none"> • The Perfect Slice of (Preceptor Role) Apple Pie: Just Like Grandma Made (12:45 p.m.–2:00 p.m.) 	<ul style="list-style-type: none"> • New HYPERcholesterolemia Guidelines: Are They Worth All the HYPE? (12:45 p.m.–2:15 p.m.)
	<ul style="list-style-type: none"> • Trying Something New: Novel Approaches to Teaching Critical Literature Analysis (2:15 p.m.–3:30 p.m.) 	<ul style="list-style-type: none"> • It's Teamwork: Advantages of an Interprofessional Approach to Antimicrobial Stewardship (2:30 p.m.–3:30 p.m.)
	New Practitioner Networking Session (4:00 p.m.–5:00 p.m.)	
8:30 a.m.–6:00 p.m.	Student Programming	
9:00 a.m.–10:00 a.m.	FDA Update: Quality and Quantity—What Can We Control?	
9:15 a.m.–9:45 a.m.	(Management Case Study) Increasing Advanced Pharmacy Practice Experience (APPE)	
9:30 a.m.–11:30 a.m.	Satellite Symposia	
10:00 a.m.–10:30 a.m.	(Management Case Study) Establishing a Comprehensive Drug Diversion Monitoring Program Supported by Advanced Technology	
10:00 a.m.–11:30 a.m.	Networking and Poster Session: Pediatrics/Neonatal/OB	
10:30 a.m.–12:00 p.m.	Cultivating Joy in Pharmacy Practice Through Leadership: A Primer for Pharmacy Leaders	
10:45 a.m.–11:15 a.m.	(Management Case Study) Formulary Development for an Off-Site Freestanding Emergency Department (FSED)	
11:00 a.m.–12:30 p.m.	Practical Strategies for Overcoming the Hurdles of the Opioid Epidemic	

53rd ASHP Midyear Clinical Meeting & Exhibition

11:15 a.m.–12:15 p.m.	Concurrent Networking Sessions: <ul style="list-style-type: none"> Supply Chain Management and Market Disrupters Investigational Drug Services Residency Preceptors
11:30 a.m.–12:00 p.m.	(Management Case Study) Standardization of the Prior-Authorization Process for Outpatient Infusion Clinics
11:45 a.m.–1:15 p.m.	Networking and Poster Session: Emergency Care
12:00 p.m.–1:00 p.m.	PhORCAS: How Programs Can Optimize the WebAdMIT Portal Within PhORCAS
12:00 p.m.–4:30 p.m.	Programming for Small & Rural Hospital Practitioners: <ul style="list-style-type: none"> Small and Rural Keynote: What's New in Rural Healthcare? (12:00 p.m.–1:15 p.m.) The Joint Commission Update 2018: Focus on Small and Rural Hospitals (1:15 p.m.–2:15 p.m.) Getting Your Antimicrobial Stewardship Program Off the Ground in the Small and Rural Setting (2:30 p.m.–3:30 p.m.) In Your Spare Time: Addressing Medication Safety Practices Without a Dedicated Medication Safety Practitioner (3:30 p.m.–4:30 p.m.)
12:15 p.m.–12:45 p.m.	(Management Case Study) Implementation of a Pharmacist Facilitated Discharge Medication Review
12:30 p.m.–1:30 p.m.	Concurrent Networking Sessions: <ul style="list-style-type: none"> Specialty Pharmacy Growth Opportunities Advancing Pharmacy Practice With Technicians Clinician Well-Being and Resilience Clinical Leadership
12:30 p.m.–2:00 p.m.	Putting Out the Fire: Beating Burnout in Pharmacy and Healthcare
1:00 p.m.–1:30 p.m.	(Management Case Study) ADAPTING Pharmacist Roles to Optimize Post-Percutaneous Coronary Intervention (PCI) Outcomes
1:00 p.m.–2:00 p.m.	New and Prospective Pharmacy Technician Training Program Directors and Instructors Meeting
1:00 p.m.–2:00 p.m.	Getting Started and Applying for Accreditation—Finding the Pathway and Taking the Right Steps
1:00 p.m.–3:00 p.m.	Ask the Consultants Roundtable Discussion
1:00 p.m.–5:00 p.m.	The ASHP 2018 Federal Forum: <ul style="list-style-type: none"> Welcome Event (1:00 p.m.–1:15 p.m.) Federal Forum Keynote: Substance Use Disorders—A Call to Action for Pharmacists (1:15 p.m.–2:15 p.m.) Substance Use Disorders: Federal Pharmacists' Involvement Making a Difference (2:15 p.m.–3:15 p.m.) Federal Forum: Meet the Researchers Poster Presentations 2018 (3:30 p.m.–5:00 p.m.)
1:00 p.m.–2:30 p.m.	National Drug Safety Efforts: Deprescribing and Transforming Clinical Practice Initiative
1:30 p.m.–3:00 p.m.	Networking and Poster Session: Ambulatory Care Clinical Practice Advancement
1:45 p.m.–2:15 p.m.	(Management Case Study) Pharmacist-Led Efforts With Rapid Diagnostic Testing
2:00 p.m.–3:00 p.m.	Pharmacy Technician Training: New ASHP/ACPE Pharmacy Technician Education and Training Accreditation Standards for 2019
2:00 p.m.–3:00 p.m.	Using PharmAcademic to Support Resident Learning
2:00 p.m.–5:00 p.m.	Satellite Symposia
2:00 p.m.–5:00 p.m.	State Affiliate Volunteer Leaders Conference
2:30 p.m.–3:00 p.m.	(Management Case Study) Pharmacist Impact on Enhanced Recovery Pathways for Surgical Patients
2:30 p.m.–3:30 p.m.	Concurrent Networking Sessions: <ul style="list-style-type: none"> Infectious Diseases Hematology/Oncology
2:30 p.m.–4:00 p.m.	Breathe In, Breathe Out: How to Manage Emotions in the Workplace
3:00 p.m.–4:30 p.m.	Pharmacy Accountability Measures: Clinical Quality Benchmarking for Success
3:00 p.m.–5:00 p.m.	Residency Program Directors and Preceptors Town Hall: Updates From the Commission on Credentialing
3:15 p.m.–3:45 p.m.	(Management Case Study) Developing Future Leaders: The Evolution of a PGY1 Pharmacy Leadership Rotation
3:30 p.m.–5:00 p.m.	Networking Session and Poster Session: Critical Care
3:30 p.m.–5:00 p.m.	Federal Forum Posters

53rd ASHP Midyear Clinical Meeting & Exhibition

4:00 p.m.–4:30 p.m.	(Management Case Study) Titrating to Safety and Compliance: Management of Titration Orders in the Intensive Care Unit
5:00 p.m.–6:30 p.m.	LGBTQ Networking Reception
5:30 p.m.–7:00 p.m.	ASHP Best Practices Award Poster Reception

Monday, December 3

6:00 a.m.–8:00 a.m.	Satellite Symposia
6:30 a.m.–9:00 a.m.	Veterans Affairs Residency Open Forum
7:30 a.m.–5:00 p.m.	Personnel Placement Service (PPS)
9:00 a.m.–10:30 a.m.	Opening Session (featuring Magic Johnson: My Personal Journey)
10:45 a.m.–11:45 a.m.	Student Posters
11:00 a.m.–12:00 p.m.	Networking Session: Pharmacy Technicians
11:00 a.m.–3:00 p.m.	Exhibit Program
11:15 a.m.–12:15 p.m.	ACPE Update 2018
11:15 a.m.–12:15 p.m.	Concurrent Networking Sessions: <ul style="list-style-type: none"> • Precepting Students • Home Infusion • Shared Service in Multi-Hospital Organizations • Women in Pharmacy Leadership • Innovating and Emerging Practices • Psychopharmacy/Neurology • Clinical Decision Support and Analytics
11:30 a.m.–1:00 p.m.	Midday Symposia
11:30 a.m.–5:30 p.m.	Student Programming
12:00 p.m.–1:00 p.m.	Student Posters
12:30 p.m.–1:30 p.m.	ASHP-PAC Contributors Reception
12:30 p.m.–1:30 p.m.	Concurrent Networking Sessions: <ul style="list-style-type: none"> • Opioid Stewardship and Pain Management • Expansion of Ambulatory Care and Leveraging Technology • Geriatrics • Anticoagulation • Nutrition Support • Clinical Applications
1:00 p.m.–4:00 p.m.	Residency Showcase™
2:00 p.m.–2:30 p.m.	(Management Case Study) Pharmacy-Driven Chemotherapy Stewardship in a Community Hospital Setting
2:00 p.m.–3:00 p.m.	Dealing With Day-to-Day Data: Evidence-Based Operations
2:00 p.m.–3:30 p.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> • Winning or Losing? Challenges With Operationalizing Biosimilar Reimbursement • Hitting the Mark: Improving Antibiotic Dosing in Patients With Altered Renal States • Anticoagulation for Atrial Fibrillation: Difficult Clinical Conundrums • Well-Being and Burnout: Tactics to Ease and Restore Health • 340B Update: Hot Topics in 2018 • Extending the Reach of the Pharmacy Enterprise: Expansion of Pharmacy Technician Roles • Provider Status: Being a Provider With or Without the “Status” • Gabapentin: An Unnerving New Trend in Drug Abuse
2:00 p.m.–4:00 p.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> • Safety & Quality Pearls 2018 • Preparing for Joint Commission: Keep It on Track! • Therapeutic Debates 2018
2:00 p.m.–4:30 p.m.	Pharmacy Practice Advancements in a Global Healthcare Ecosystem (Featuring the Donald E. Francke Medal Lecture)
2:00 p.m.–5:00 p.m.	Live Intensive Study and BCOP Clinical Sessions: <ul style="list-style-type: none"> • Expanding the Roles of Clinical Pharmacogenomics and Its Implementation (2:00 p.m.–3:30 p.m.) • Updates in the Management of Pain, Agitation, and Delirium in the ICU (4:00 p.m.–5:00 p.m.)
2:30 p.m.–4:00 p.m.	Professional Posters

53rd ASHP Midyear Clinical Meeting & Exhibition

2:45 p.m.–3:15 p.m.	(Management Case Study) Improving Bedside Medication Delivery Program to Increase Prescription Capture Rate and Expedite Patient Discharges
3:30 p.m.–4:00 p.m.	(Management Case Study) Comprehensive Pharmacy Care in a Community Hospital Setting
3:30 p.m.–5:00 p.m.	Managing Opioid Use Disorder and Reducing Opioid Overprescribing
4:00 p.m.–5:15 p.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> • Therapeutic Challenges: Direct Oral Anticoagulants in Special Population • Contemporary Considerations: Caring for the Transgender and Gender-Nonconforming Patient • Three's Good Company: Three Strategies for Improving Safety Through Effective Event Response • BURN–Build Your Resilience Now: Strategies and Tactics to Prevent Burnout • Should We Be Holding Our Breath? Updates in Current Management of COPD and Asthma • One Great Leap for Pharmacy-Kind: Ensuring Successful Change Management in Technology Implementations
4:15 p.m.–4:45 p.m.	(Management Case Study) After the Storm: Navigating Small Volume Parenteral Shortages in a Rural Community Hospital
4:15 p.m.–5:15 p.m.	Waste Not, Want Not! Writing Meaningful Letters of Recommendation
4:30 p.m.–5:30 p.m.	Community Pharmacy Residency Open Forum
4:30 p.m.–5:30 p.m.	Regional Residency Conference Planners Meeting
4:45 p.m.–5:45 p.m.	International Registrants Gathering and Reception

Tuesday, December 4

5:30 a.m.–7:45 a.m.	Satellite Symposia
7:30 a.m.–5:00 p.m.	Personnel Placement Service (PPS)
8:00 a.m.–8:30 a.m.	(Management Case Study) Establishing a Pharmacy-Led Clinical Decision Support Governance Committee
8:00 a.m.–9:15 a.m.	Implementation of an Integrated Glycemic Management Software System to Improve Patient Safety
8:00 a.m.–9:30 a.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> • Current Trends: Development and Growth of Specialty Pharmacy • Unlocking Your Potential in Academic Pharmacy • Advancing Comprehensive Medication Management: Successes and Lessons Learned From the A3 Collaborative • Boring Is the New Goal: Technology Implementation Keys to Success • Focus on Triple Aim Objectives: A Population Health Approach to Opioid Use Improvement • Killing Bugs and Saving Drugs Across a Health System: A Multi-Hospital Shared Antimicrobial Stewardship Program • Overcoming Barriers to Dose Individualization in the Information Age: Better Prescribing Through Pharmacometrics
8:00 a.m.–10:00 a.m.	Live Intensive Study and BCOP Clinical Sessions: <ul style="list-style-type: none"> • Individualizing Anticoagulation in the Acutely Ill: A Case-Based Approach • Pharmacotherapy and Osteoarthritis: A Look at the Evidence • (BCOP Clinical Sessions) Advances in Cardio-Oncology: Prevention and Management of Cardiovascular Complications Associated With Anticancer Therapies
8:00 a.m.–10:00 a.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> • Management Pearls 2018 • Preparing for a New Congress: Key Policy Issues Impacting Health-System Pharmacy
8:00 a.m.–11:00 a.m.	Residency Showcase™
8:45 a.m.–9:15 a.m.	(Management Case Study) Implementing a Cost Neutral Centralized Order Entry/Verification Program Across an Integrated Delivery Network
9:00 a.m.–11:00 a.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> • Drug Payment 2019: Your Actions Are as Vital as the Rules • USP Chapter <797>: Let's Tackle the Non-Compliant Elements
9:30 a.m.–10:00 a.m.	(Management Case Study) Standardization of Technology and Formulary in a Growing Health System: Lessons Learned
9:30 a.m.–11:00 a.m.	Updates in Transplantation: Current Challenges in Caring for the Hepatitis C Virus Positive Patient
9:45 a.m.–11:00 a.m.	What the Cough? Management and Controversies of Common Pediatric Infections
10:00 a.m.–11:00 a.m.	Ask the Pharmacy Residency Accreditation Surveyors Roundtable Discussion (repeats at 2:00 p.m.)

53rd ASHP Midyear Clinical Meeting & Exhibition

Schedule-at-a-Glance

10:00 a.m.–11:00 a.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> • Can a Vitamin or Antioxidant a Day Keep the Sepsis Away? • From Pillboxes to Smart Pills: How Digital Health Is Changing Medication Adherence • The National Diabetes Prevention Program: Engaging Pharmacists to Prevent Type 2 Diabetes • First You See It, Now You Don't: An Enterprise Approach to Managing Drug Shortages • Drug Dosing in the Obese Emergency Department Patient: How High Can You Go? • Leveraging Business Intelligence to Create a Proactive and Comprehensive Diversion Monitoring Program
10:00 a.m.–11:00 a.m.	Live Intensive Study and BCOP Clinical Sessions: <ul style="list-style-type: none"> • Using Population Health Initiatives to Expand Pharmacist Services
10:15 a.m.–10:45 a.m.	(Management Case Study) The Value of Cost Transparency During Electronic Medication Prescribing
10:45 a.m.–11:45 a.m.	Student Posters
11:00 a.m.–3:00 p.m.	Exhibit Program
11:15 a.m.–12:15 p.m.	Concurrent Networking Sessions: <ul style="list-style-type: none"> • Small and Rural Hospitals • Medication Management Services in the Ambulatory Care Practice Setting • Leadership Challenges in Managing Drug Shortages • Immunology/Transplant • Primary Care/Pharmacotherapy • Pharmacoeconomics/Drug Development
11:30 a.m.–1:00 p.m.	Midday Symposia
12:00 p.m.–1:00 p.m.	Student Posters
12:30 p.m.–1:30 p.m.	Concurrent Networking Sessions: <ul style="list-style-type: none"> • Ambulatory Care Compensation and Practice Sustainability • Medication Safety • Cardiology • Operations and Automation
1:00 p.m.–4:00 p.m.	Residency Showcase™
1:00 p.m.–5:30 p.m.	Student Programming
2:00 p.m.–2:30 p.m.	(Management Case Study) Reimbursement Review of an Outpatient Infusion Clinic in a Critical Access Hospital
2:00 p.m.–3:00 p.m.	Ask the Pharmacy Residency Accreditation Surveyors Roundtable Discussion (repeat from 10:00 a.m.)
2:00 p.m.–3:00 p.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> • Stop That Bleed! Implementing a Reversal Strategy for the Direct Oral Anticoagulants • The Rise of Sexually Transmitted Infections: An Alarming Trend of a Familiar Foe
2:00 p.m.–3:30 p.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> • Prevention and Management of Drug-Induced QT Interval Prolongation and Torsades de Pointes • Ensuring Regulatory Success with USP Compounding Standards: <797>, <795>, <800> • Dual Diagnosis: The Quandary of Chronic Pain, Chronic Opioids, Medication-Assisted Therapy, and Recovery • HIT-ing the Crisis on Its Head: Examining the Use of Health Information Technology to Change Opiate Prescribing Practices • Product Shortages: Unexpected Safety Breaches From Product Interchanges • Let Them Know You Are Worth It! Risk Stratifying Prescribing Errors
2:00 p.m.–4:00 p.m.	Clinical Pearls 2018
2:00 p.m.–4:00 p.m.	Live Intensive Study and BCOP Clinical Sessions: <ul style="list-style-type: none"> • Evidence-Based Decision Making in Selected Pediatric and Neonatal Critical Care Cases (2:00 p.m.–3:30 p.m.) • A Look at Psychiatric Pharmacogenomics in Practice (2:00 p.m.–3:30 p.m.) • (BCOP Clinical Sessions) Do You Immuno? Supporting Patients With Advanced Malignancy Receiving Immunotherapy—From Symptom Management to Effective Communication and Beyond! (2:00 p.m.–4:00 p.m.)
2:30 p.m.–4:00 p.m.	Professional & Fellows Posters
2:30 p.m.–4:30 p.m.	Pharmacy Forecast 2019: Trends That Will Shape Your Future
2:45 p.m.–3:15 p.m.	(Management Case Study) A New Strategy That Justifies Labor for Your Pharmacy Operation While Improving Outcomes
3:30 p.m.–4:00 p.m.	(Management Case Study) Minimizing Inventory Related Costs Through Centralization of Aging Inventory

53rd ASHP Midyear Clinical Meeting & Exhibition

3:30 p.m.–4:45 p.m.	After the First Script: Pharmacists Providing Contraceptive Care
3:45 p.m.–5:15 p.m.	Let's Take a Ride on the Opioid StewardSHIP
4:00 p.m.–5:00 p.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> Electronic Health Record Integration: Safe Processes for High-Risk Therapy Connecting the Dots: Recognizing the Impact of Antiretroviral Therapy on Concomitant Therapies
4:00 p.m.–5:00 p.m.	Live Intensive Study and BCOP Clinical Sessions: <ul style="list-style-type: none"> Optimizing Pediatric Pharmacotherapy Through the Use of Pharmacogenomics Current Concepts: The Application of Cardiovascular Pharmacogenomics in Clinical Practice
4:00 p.m.–5:15 p.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> From Med Wreck to Med Rec: Best Practices for Reducing Potentially Harmful Medication Discrepancies Hot Topics in Psychiatry 2018 No Bones About It: Osteoporosis 20 Years After the Emergence of Bisphosphonates Toxicology of Hazardous Drugs: What Happens When It Gets in Your Body
4:15 p.m.–4:45 p.m.	(Management Case Study) Outside the Box Reimbursement Strategies in a Diabetes Clinic
4:15 p.m.–5:15 p.m.	Healing Our Healers: When Mental Health Interferes With Performance
4:15 p.m.–5:45 p.m.	ASHP-PAC Happy Hour
4:30 p.m.–5:30 p.m.	Managed Care Pharmacy Residency Open Forum
5:15 p.m.–6:15 p.m.	Resident Meetup: Engage With Pharmacy's Leaders
8:00 p.m.–close	Students' Night Out

Wednesday, December 5

5:45 a.m.–7:45 a.m.	Satellite Symposia
7:30 a.m.–5:00 p.m.	Personnel Placement Service (PPS)
8:00 a.m.–8:30 a.m.	(Management Case Study) Identifying Challenges and Improvements With Tracking Non-Controlled Medications in Automated Anesthesia Workstations
8:00 a.m.–9:30 a.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> Protect Your Psychological Paycheck: Managing Stress, Impostor Phenomenon, and Burnout Results from the 2018 ASHP National Survey: The Current State of Pharmacy Practice in Hospitals and Health Systems Current Considerations: Supporting LGBTQ Students, Colleagues, and Patients They Snooze, We Lose: Strategies to Motivate Learners ISMP Medication Safety Update for 2019 Bridging Pharmacy Silos: Linking Acute and Ambulatory Pharmacy Services Predictive Analytics Prioritization: Helping Pharmacists Save Time With Medication Reconciliation Services
8:00 a.m.–9:45 a.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> Emergency Medicine Pearls 2018 The Great ID Debates of One-Eight Bridging the Advocacy Gap: Applying Lessons Learned from Non-Pharmacy Initiatives to the Achievement of Provider Status Practical Applications: Behavioral Science in Deprescribing Conversations
8:15 a.m.–9:45 a.m.	Emerging USP Standards: Improving Patient Safety With Opioid Standards
8:30 a.m.–9:30 a.m.	Student Posters
8:45 a.m.–9:15 a.m.	(Management Case Study) Charges Left on the Operating Room Table: Validation of the Charge-on-Administration Approach
10:00 a.m.–11:00 a.m.	Resident Posters
10:00 a.m.–11:00 a.m.	Spotlight on Science (featuring Adah Almutairi, Ph.D.) Smart Feedback Drug Release: Because Drugs Don't Work on Patients Who Don't Take Them
11:00 a.m.–2:00 p.m.	Exhibit Program
11:15 a.m.–12:15 p.m.	Resident Posters
11:15 a.m.–12:15 p.m.	Networking Session: Informatics Professional Development
11:30 a.m.–1:00 p.m.	Midday Symposia
12:30 p.m.–1:30 p.m.	Resident Posters

53rd ASHP Midyear Clinical Meeting & Exhibition

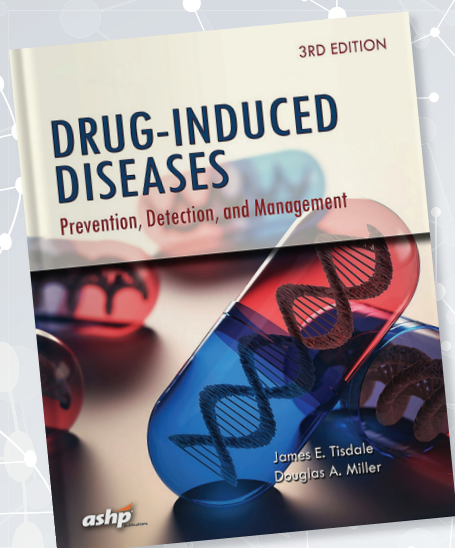
1:45 p.m.–2:45 p.m.	Resident Posters
2:00 p.m.–2:30 p.m.	(Management Case Study) Pharmacist Impact on Discharge of Acute Ischemic Stroke Patients
2:00 p.m.–3:15 p.m.	Break Free From the Cycle: Steps to Implementing an Opioid-Sparing Emergency Department
2:00 p.m.–3:30 p.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> • Informatics Pearls 2018: Bytes of Informatics • Navigating Change in Primary Care: The Role of the Patient-Centered Medical Home Pharmacist • At Last! Applying the National Hypertension Guidelines in Special Populations • Preceptor Dilemmas: Managing Difficult Situations • A Whole New World: A Case-Based Approach to Managing CAR-T Cell Therapy and Immunotherapy Toxicities • Old Drugs Repurposed for Sepsis: Keep Them or Throw Them Back?
2:00 p.m.–4:00 p.m.	Live Intensive Study and BCOP Clinical Sessions: <ul style="list-style-type: none"> • Examining the Influence of Cardiovascular Outcome Trials: Is It the Heart of Diabetes?
2:00 p.m.–4:00 p.m.	The Joint Commission Medication Management Update for 2019
2:45 p.m.–3:15 p.m.	(Management Case Study) Techniques to Improve Medication Adherence STAR Ratings
3:00 p.m.–4:00 p.m.	Resident Posters
3:30 p.m.–4:00 p.m.	(Management Case Study) Covering Miles in Minutes: Closing the Gap Between Patients and Pharmacy Using a Pharmacy Call Center Model
3:30 p.m.–5:00 p.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> • Feeling the Pain: Focus on Safe Opioid Use in an Era of Crisis • Pharmacists in the Emergency Department: Heroes Antimicrobial Stewardship Needs
3:45 p.m.–5:00 p.m.	The Pharmacy Credentialing Umbrella: Privileging, Certification, Accreditation
4:00 p.m.–5:00 p.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> • Exploring Barriers to Safe Medication Dispensing Practices: Use of a Tracer Tool to Support Ready-to-Administer Dispensing • Novel Approaches to Evaluate and Teach Self-Assessment Skills • Special K: Traditional and Novel Roles of Ketamine in the Critically Ill • The Pharmacist vs. Amazon Alexa—Creating Patient Value in the Digital Age
4:15 p.m.–4:45 p.m.	(Management Case Study) Digiceuticals: A Multidisciplinary Population-Based Approach for Type 2 Diabetes Management
6:45 p.m.–11:15 p.m.	Midyear Music Festival Celebrating the ASHP Foundation's 50th Anniversary

Win a Free Registration!

Stay through the end of the **Thursday afternoon sessions** for a chance to win a free registration to the 2019 Midyear Clinical Meeting in Las Vegas. Just drop your badge in the designated locations on Thursday afternoon. One lucky winner will be randomly selected.

Thursday, December 6

9:00 a.m.–10:00 a.m.	It's Not Just About Opioids: Achieving Compliance With The Joint Commission Pain Standards
9:00 a.m.–10:30 a.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> I Want That! Technology Innovation 2018 Chronic Heart Failure Management: Debunking Myths and Misconceptions
9:00 a.m.–12:00 p.m.	Ready, Set, ENGAGE! Inspiring Your Team to Tap In, Tune In, and Turn On Their Excellence
10:30 a.m.–12:00 p.m.	Hurt So Good: Putting Opioid Stewardship Programs to Practice
11:00 a.m.–12:15 p.m.	It's Not a Small World After All—Principles of Drug Dosing in Obesity
11:00 a.m.–12:30 p.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> Who Wants to Be a Leader? Managing the Talent on Your Team Save the Pharmacy Piggy Bank: Managing Mega High-Cost Drugs
12:30 p.m.–2:00 p.m.	Medications That Kill: Are Patients Being Placed at Risk From NOT Prescribing Opioid Medication
1:00 p.m.–2:15 p.m.	Keep It Flowing: Controversies Surrounding Venous Thromboembolism Prophylaxis Strategies
1:00 p.m.–3:00 p.m.	Concurrent Educational Sessions: <ul style="list-style-type: none"> Resilience and Action Planning: Now What? Disruptive Non-Pharmacy Trends That May Impact Your Practice



PRINT CODE P5303
MEMBER \$180
LIST \$225

eBook CODE E5310
eBook MEMBER \$156
eBook LIST \$203

Order your copy today at ashp.org/did
or by calling **1-866-279-0681**.

© 2018 American Society of Health-System Pharmacists®

PROTECT YOUR PATIENTS

A Definitive Guide to Drug-Induced Disease

“Drug-Induced Diseases ... is an extraordinary work that continues to be the standard for understanding and preventing drug-induced diseases. It can be a practitioner’s most useful tool.”

—John A. Gans, Pharm.D.

Now in its third edition, this comprehensive guide provides a detailed overview of diseases that result from drug therapy, arming healthcare professionals with critical knowledge to protect the health and welfare of their patients.

This important reference includes information on:

- ▶ New chapters including Bleeding Disorders, Teratogenicity, and Oral Manifestations of Systemically Administered Drugs
- ▶ Comprehensive coverage of scores of drug-induced diseases
- ▶ And much more

For bulk order information, contact Chris Jezowski
at cjezowski@ashp.org.



Special Events & Activities

Sunday, December 2

8:30 a.m.–9:30 a.m.

First-Time Attendee Welcome Event

If you are a first-time attendee, join us on Sunday morning to hear from ASHP leadership and other experienced ASHP members as they share ways to make the most of the Midyear meeting and all of the resources and opportunities for education and networking.

1:00 p.m.–2:15 p.m.

The ASHP Federal Forum: Welcome and Keynote

Join your federal colleagues for an informative session focusing on the continuing public health crisis related to substance use disorders and its societal impact. Learn more about the pivotal role pharmacists have, or could and should have, in their practice to help alleviate the impact of this crisis. This session will focus on alcohol, tobacco, opioids, and other prescription and illicit drugs. Pharmacists actively working with patients with substance abuse disorders will share their experiences. A proposed vision and call to action will encourage and challenge pharmacists to become more involved in the care of patients with substance use disorders. All pharmacists are invited to attend.

For more information, see page 1604.

1:00 p.m.–3:00 p.m.

Ask the Consultants Roundtable Discussion

What keeps you awake at night? What challenges do you face in your practice or department that need to be addressed? Let our expert consultants answer your questions while you learn about the types of services available to you and how the consultation process would work at your facility. Popular consulting topics include USP Chapters <797> and <800>, Antimicrobial Stewardship Programs, Leadership Coaching, Practice Model Evaluation, and Comprehensive Pharmacy Review, plus many more! Backed by ASHP's 75-year history of professional education and practice advancement, our internationally-recognized consultants bring decades of experience across a wide and varied range of expertise to help you address your most pressing needs. Discover why ASHP Consulting should partner with you to help your organization, your department, and your patients.

2:00 p.m.–5:00 p.m.

State Affiliate Volunteer Leaders Conference

All state affiliate volunteer leaders (officers, board members, staff, committee chairs, committee members, etc.) are invited to participate. This year's State Affiliate Volunteer Leaders Conference is designed to provide an opportunity for state affiliate organizations to share their ideas/practices with one another. The conference will focus on implementing creative ideas in state organizations and provide a format to learn, discuss, and share practices.

5:00 p.m. - 6:30 p.m.

LGBTQ Networking Reception

ASHP is hosting an LGBTQ professional networking event to provide meeting attendees the chance to gather, connect, and learn about ASHP's activities to promote LGBTQ patient-centered care.

5:30 p.m.–7:00 p.m.

ASHP Best Practices Award Poster Reception

This poster reception will honor the awardees of the 2018 ASHP Best Practices Award. The awardees will present posters of programs that have been nationally recognized to demonstrate best practices in pharmacy, especially in areas that significantly improve the quality of patient care. Join us for a unique opportunity to learn about best practices and to honor the award recipients during this reception.



Awarded by ASHP and sponsored by Amgen.

Continued on page 1555

Continued from page 1552

Monday, December 3, 9:00 a.m.–10:30 a.m.

Opening Session

Magic Johnson: My Personal Journey



Earvin "Magic" Johnson is the Chairman and Chief Executive Officer of Magic Johnson Enterprises. Since retiring from the NBA over 20 years ago, the legendary basketball star has morphed into a business powerhouse who has dedicated his life to leaving a positive impact in underserved urban communities. Having

left the basketball court for the boardroom, Johnson parlayed the skills and tenacity he acquired on the court into a winning formula for successful business ventures.

Still a commanding presence in the sports world, he made history in 2012 when he became co-owner of the Los Angeles Dodgers, a Major League Baseball franchise. He also co-owns the Los Angeles Sparks of the WNBA and Major League Soccer's Los Angeles Football Club.

The Lansing, Michigan, native is constantly evolving and remaining relevant in a dynamic digital age by broadening his scope into infrastructure and technology. Operating under the philosophy that true success is making others successful, he is also one of the leading investors in a number of minority-owned tech companies.

Johnson serves as Chairman and Founder of the Magic Johnson Foundation, where his commitment to transform urban America continues through HIV/AIDS awareness and educational programs. Remaining true to his humble Lansing beginnings, he is unwaveringly dedicated to working with partners to bring jobs and high-quality products and services to underserved communities.

Presidential Address

ASHP President **Kelly M. Smith, Pharm.D., FASHP, FCCP**, Dean, University of Georgia, College of Pharmacy, Athens, GA.



CEO Award for Staff Excellence

Presented by ASHP CEO Paul W. Abramowitz, Pharm.D., Sc.D. (Hon.), FASHP

The CEO Award for Staff Excellence recognizes an individual staff member who, in addition to performing all of his/her normal job duties with excellence, has also demonstrated exceptional initiative in contributing to ASHP. Specifically, this award recognizes a staff member who has provided an outstanding contribution by leading or developing a project of significant value for ASHP and has demonstrated sustained excellence over time to the advancement of ASHP.

Awardee:

- **Tracy Yaklyvich**, Controller/
Director, Finance Office



Acknowledgment of the 2018 ASHP Chief Executive Officer's Award for Courageous Service

The CEO's Award for Courageous Service recognizes individuals or groups of individuals who go beyond the call of duty to serve patients or assist pharmacists in serving patients, such as under emergency conditions or in times of natural disaster or other catastrophic events. The 2018 award honors those who engaged in specific incidents of inspiring, unselfish service under adverse conditions during Hurricane Harvey in Texas, Hurricane Irma in Florida, Hurricane Maria in Puerto Rico, and the wildfires in California.

Acknowledgment of the Donald E. Francke Medalist

The ASHP Board of Directors' Donald E. Francke Medal honors pharmacists who have made significant international contributions to advance pharmacy practice.

Awardee:

Abdul Latif Sheikh, B.S.Pharm., M.S., FFIP, President and CEO, Pakistan Society of Health-System Pharmacists

For more information, see page 1560.

ASHP Board of Directors' Awards

ASHP Board of Directors' Distinguished Leadership Award

The ASHP Board of Directors' Distinguished Leadership Award recognizes pharmacists who have achieved excellence in pharmacy practice leadership in acute and ambulatory care settings.

Awardees:

Christopher A. Hatwig, M.S., R.Ph., FASHP, President, Apexus, LLC

Christopher Hatwig is President of Apexus, LLC, in Irving, Texas. He joined Apexus in 2004 and served as Senior Director and Vice President before assuming his current position.

Hatwig is one of the nation's foremost experts on the 340B Drug Pricing Program and has an exceptional record of leading innovative and progressive pharmacy services in acute and ambulatory care settings.

As the Health Resources and Services Administration's (HRSA's) contracted 340B Prime Vendor, Apexus provides a variety of services to 340B stakeholders, including negotiating sub-340B pricing on brand and generic medications. Apexus also offers live and virtual educational programs—340B University and 340BU OnDemand—to support 340B entities and increase their compliance with the program's standards.

Hatwig works closely with HRSA's Office of Pharmacy Affairs and frequently advocates on behalf of the 340B program before Congress and healthcare decision-makers. Before joining Apexus, Hatwig was Director of Ambulatory Pharmacy Services and Value Analysis Programs at Parkland Health & Hospital System in Dallas, where he oversaw one of the nation's largest and most progressive safety net ambulatory pharmacy programs. During his tenure, Hatwig managed Parkland's network of ambulatory pharmacies. He also deployed ambulatory care pharmacists to serve as physician extenders in subspecialty clinics, created a disease management training program, and instituted a computerized antibiotic and emergency dosing program in the Special Care Nursery to prevent overdoses in neonates.

Hatwig has made numerous presentations on the 340B program, innovative ambulatory pharmacy services, and drug cost containment strategies. He served as



Chair of the ASHP Council on Administrative Affairs and is a reviewer for *AJHP*.

Hatwig earned a Bachelor of Science in Pharmacy from the University of Arkansas. He completed residencies in hospital pharmacy and hospital pharmacy administration at the University of Wisconsin, where he also earned a master's degree in Hospital Pharmacy.

Mark H. Siska, B.S.Pharm., R.Ph., M.B.A.–Technology Management, Chief Pharmacy Informatics Officer, Mayo Clinic

Mark Siska is the Chief Pharmacy Informatics Officer at the Mayo Clinic. During his early career, Siska was a Clinical Pharmacist and Pharmacy Supervisor at Mayo Clinic Hospitals. As healthcare organizations began investing in and implementing transformative health information technology (HIT) initiatives, Siska

directed his attention to pharmacy informatics. He has provided national leadership around the adoption of HIT by articulating its value and focusing on how pharmacy informatics and medication management supporting systems may be leveraged to advance pharmacy practice and improve medication use across the continuum of care.

Siska is a Past Chair of the ASHP Section of Informatics and Technology, receiving the Distinguished Service Award in 2010 for his contributions. He has served on numerous HIT advisory committees and task forces, including the National Quality Forum Healthcare IT Structural Measures Steering Committee, the National Association of Boards of Pharmacy Task Force on Electronic Prescribing Software Standards and Data Storage, and the Pharmacy Health Information Technology Collaborative Workgroup.

He is the primary author of ASHP's Statement on the Pharmacist's Role in Clinical Informatics and co-authored the technology briefing paper for the Pharmacy Practice Model Summit. He also is a frequent author and presenter on a number of HIT and pharmacy informatics-related topics.

Siska earned a Bachelor of Science in Pharmacy from the University of Illinois College of Pharmacy and completed a pharmacy residency at the Mayo Clinic. He earned a Master of Business Administration in Technology Management from the University of Phoenix.



Continued on page 1559

Continued from page 1556

ASHP Board of Directors Award of Honor

The ASHP Board of Directors Award of Honor recognizes individuals outside the pharmacy discipline who have made extraordinary national or worldwide contributions to the health field.

Awardee:

Brock A. Slabach, M.P.H., FACHE, Senior Vice President for Member Services, National Rural Health Association



Brock Slabach is Senior Vice President for Member Services at the National Rural Health Association (NRHA) in Leawood, Kansas. In this role, he has administrative responsibility for all areas of member services, including membership, communications, meetings, and exhibitions.

A rural hospital administrator for more than 21 years, Slabach specializes in rural health-system development that encompasses population health and the varied payment programs moving rural providers into value-based purchasing models.

Slabach is an advocate for healthcare policies that address the needs of patients receiving care in small and rural hospitals, including pharmacy services in these settings. He has promoted leadership on rural health issues through advocacy, education, and communications.

Under his leadership, NRHA joined the Patient Access to Pharmacists' Care Coalition to expand patient access to care in medically underserved communities by granting pharmacists provider status. Slabach regularly shares his expertise with ASHP through various ASHP and NRHA collaborations to promote patient care in small and rural hospitals.

Slabach serves on the Centers for Medicare & Medicaid Services Star Rating Technical Expert Panel and is a member of the National Quality Forum's Measures Application Partnership Hospital and Rural Health workgroups. He is a current member of the Board of Directors of the National Rural Accountable Care Consortium and the Healthcare Facilities Accreditation Program, and he has served on the NRHA Board of Directors and the regional policy board of the American Hospital Association.

Slabach earned a Master of Public Health in Health Administration from the University of Oklahoma and is a Fellow of the American College of Healthcare Executives. He is the 2015 recipient of the Calico Quality Leadership Award from the National Rural Health Resource Center.

ASHP Research and Education Foundation 2018 Award for Excellence in Medication Safety

Presented by Jack Tighe, Chair of the ASHP Foundation Board of Directors

Supported by a grant from the Cardinal Health Foundation.

12:30 p.m.–1:30 p.m.

ASHP-PAC Contributors Reception

2:00 p.m.–4:30 p.m.

Pharmacy Practice Advancements in a Global Healthcare Ecosystem**Featuring the Donald E. Francke Medal Lecture**

Donald E. Francke Medalist Mr. Abdul Latif Sheikh presents “Hospital Pharmacy Journey in a Low Income to Middle Income Country” at 2:00 p.m. The educational session starts immediately after the lecture at 2:30 p.m. The ASHP Board of Directors’ Donald E. Francke Medal was established to honor pharmacists who have made significant international contributions to advance pharmacy practice.

All attendees of this session are invited to join Mr. Sheikh after the session to offer congratulations at a special reception for international registrants. Additionally, international registrants and invited guests will have the unique opportunity to learn about best practices from a select group of international attendees presenting posters at and during the reception. The reception is an opportunity to network with your friends and colleagues from around the world. Light refreshments will be served.

Donald E. Francke Medalist

Abdul Latif Sheikh is President and CEO of the Pakistan Society of Health-System Pharmacists. A strong advocate for patient safety and quality of care internationally, Sheikh has been instrumental in advancing state-of-the-art hospital pharmacy services and pharmaceutical supply chain systems in Pakistan, Afghanistan, Oman, East Africa, and Saudi Arabia.



Sheikh was founding Director of Pharmacy Services at the Aga Khan University Hospital, a private, philanthropic hospital in Karachi, Pakistan. During his tenure, he conceptualized, planned, and implemented an in-house–designed computerized physician order entry system, the first of its kind in Pakistan and the region. He also implemented de-

centralized medication management services, established 24 inpatient and outpatient satellite services, and established a post Pharm.D. PGY1 pharmacy training program modeled on ASHP residency programs.

Sheikh also served as a Staff Pharmacist and Administrative Supervisor at St. Luke’s–Roosevelt Hospital in New York City; Chief Pharmacist at King Fahad Teaching Hospital in Al-Khobar, Saudi Arabia; and Principal Pharmacist at Riyadh Al Karaj Hospital in Riyadh, Saudi Arabia.

Sheikh is an active leader in numerous national and international pharmacy organizations. He is a Fellow of the International Pharmaceutical Federation, is a member of the Joint Commission International Accreditation (JCIA) Standards Advisory Panel, serves as Vice President of the Eastern Mediterranean Forum of the International Pharmaceutical Federation (FIP) Hospital Pharmacy Section, and is an expert member of the Policy Board of Drug Regulatory Authority of Pakistan.

He is the recipient of several national and international awards, including the Arthur Anderson/Ed Crosby International Hospital Federation Award for Managerial Innovation, the Asian Network Quality Award, and the Asian Hospital Management Award. He also received the awards for Best Oral Presentation during the 2013 Medication Safety Conference in Abu Dhabi and Best Poster Presentation during the 2014 FIP World Congress in Bangkok, Thailand.

Sheikh earned a Bachelor of Science in Pharmacy from Punjab University in Lahore, Pakistan, and a Master of Science in Pharmacy Administration from Arnold and Marie Schwartz College of Pharmacy, Long Island University in Brooklyn, New York. He completed a hospital pharmacy clerkship at St. Luke’s–Roosevelt Hospital, Columbia University, in New York City.

4:45 p.m.–5:45 p.m.

International Registrants Gathering and Reception

International registrants and invited guests have the unique opportunity to learn about best practices from a select group of international attendees presenting posters at and during the reception. It is the perfect opportunity to network and enjoy light hors d’oeuvres in a casual setting.

Tuesday, December 4

2:30 p.m.–4:30 p.m.

Pharmacy Forecast 2019: Trends that Will Shape Your Future

The ASHP Foundation debuts its newest issue of the *Pharmacy Forecast Report* series. This CE session will identify components of the external environment that are expected to have a major impact on hospital and health-system pharmacy practice over the next five years. Authors will also present some of the report's most important strategic recommendations, which will be helpful to pharmacists who are planning the future of their departments.

For more information, see page 1629.

4:15 p.m.–5:45 p.m.

ASHP-PAC Happy Hour

5:15 p.m.–6:15 p.m.

Resident Meetup: Engage With Pharmacy's Leaders

Residents—this event is especially for you! ASHP has arranged a unique opportunity for pharmacy residents to speak with well-known pharmacy luminaries from a wide variety of practice settings and leadership roles.

This one-hour event will allow residents access to pacesetters of the profession. To facilitate the networking experience and provide for the most engagement, pharmacy leaders associated with ASHP and the ASHP Foundation will be in designated areas. Leaders for this year's meetup are identified as part of one of the following groups:

- Whitney awardees
- ASHP and ASHP Foundation awardees
- ASHP elected and appointed leaders
- ASHP and ASHP Foundation Boards of Directors

The ASHP LIVE! app will contain a list of participant names and a map to help you navigate. We hope to see you there.

Wednesday, December 5

10:00 a.m.–11:00 a.m.

Spotlight on Science

Smart Feedback Drug Release: Because Drugs Don't Work on Patients Who Don't Take Them

Featured Speaker: Adah Almutairi, Ph.D., Professor of Pharmaceutical Chemistry, University of California, San Diego (UCSD); Director, UCSD Center of Excellence in Nanomedicine and Engineering, San Diego, CA

Adah Almutairi is a scholar, inventor, and an entrepreneur. She is a Professor of Pharmaceutical Chemistry, affiliate faculty in the Departments of Bioengineering and NanoEngineering, and Director of the Center for Excellence in Nanomedicine and Engineering in the Institute of Engineering in Medicine at UCSD. Her work focuses on nanomedicine, nanotechnology, chemistry, and polymer science. Almutairi is a 2016 Kavli Fellow and has received numerous honors and awards such as the NIH director's new innovator award in 2009 for her work on "Chemically Amplified Response Strategies for Medical Sciences."



Sticking With It

"The biggest challenge in healthcare today isn't lack of new drugs or their cost—it's simply getting patients to adhere to taking their current medications," says Almutairi. People usually don't remember or want to take a pill every day and that's a big hurdle to researchers like Almutairi, who are developing new therapeutics for a variety of diseases. "We can have the most brilliant idea, but if a patient won't or can't do it, we have to go back to the drawing board," she says. How big is the problem? According to the American Medical Association, approximately one quarter of new prescriptions are never filled, and patients take their medications as prescribed roughly 50% of the time. That adds up to more than \$300 billion in preventable hospital costs related to failure to take medications as directed. Lack of medication adherence is a burden.

The Future of Pharmacy

Almutairi hopes researchers will eventually be able to take the patient out of the equation entirely. "I want to find ways to have patients see a doctor or pharmacist just once a year to get their drugs administered, then they can forget about it while an implanted device

continues to release the right doses at the right time,” she says. “Taking medications should be like paying bills—it used to be time intensive, but now we set up autopay and forget about it.”

The following awards will also be presented:

- ASHP Research and Education Foundation 2018 Literature Awards
- ASHP Research and Education Foundation 2018 Award for Sustained Contributions to the Literature of Pharmacy Practice, presented to **Rhonda M. Cooper-DeHoff, Pharm.D., M.S., FACC, FAHA, FCCP**, Associate Professor and Associate Director, Center for Pharmacogenomics, Pharmacotherapy and Translational Research, University of Florida, Gainesville, FL

For more information, see page 1638.

6:45 p.m.–11:15 p.m.

Midyear Music Festival

Celebrating the ASHP Foundation's 50th Anniversary

For more information, see page 1566.

Continued on page 1564



Encourage your
Technician Colleagues
to **Join ASHP Today!**

ASHP's new Pharmacy Technician Forum provides pharmacy technicians the education, tools, and resources they need to further advance their careers and elevate their roles as members of the interprofessional patient care team.

Individual technician membership dues are just **\$51**.

Contact ASHP for information on Institutional Memberships at **866-279-0681**.



Pharmacy Technician
Forum

Continued from page 1562

ASHP Board Review and Recertification Events—Live



ASHP offers a contemporary way to prepare for a specialty pharmacy board examination and innovative, highly rated programs for board recertification. Our approach is multifaceted, scenario-based, and interactive—the opposite of the didactic learning norm. Our board review and recertification programs will have an immediate and lasting impact on your practice.

For additional information, visit midyear.ashp.org/board-review18.

FOR REVIEW and RECERTIFICATION

Saturday and Sunday, December 1–2

7:30 a.m.–6:00 p.m.

Live Pharmacotherapy Specialty Review and Recertification Course

This two-day course provides a robust curriculum for the high-level pharmacy professional who is either planning to take the certification examination or seeking recertification credit.

Course participants follow fictional patients in real-life scenarios, including initial presentation, medical history, risk factors, and complications throughout their treatments and outcomes. Participants learn as they apply various treatment options based on national standards and guidelines. Strong emphasis is placed on the thought processes needed to solve patient care problems in each therapeutic area. As patient cases are discussed, faculty members answer your questions to illustrate key concepts.

Highlights of the ASHP review course include the following:

- Interesting, application-based review course approach using complex, case-based interactive learning for high-level practitioners and specialists
- System-Based Standards and Population-Based Pharmacotherapy, which accounts for 20% of the updated BCPS exam
- Coverage of public health and patient advocacy information in every topic area
- Educational materials that can be downloaded and printed in advance as well as a practice test containing more than 100 practice questions with explained answers and references
- Comprehensive coverage for exam preparation in only two days, saving you time away from work and home, and drastically reducing travel expenses

You must select either the **Basic Review Course**, the **Premium Review Package**, or the **Recertification Package**:

- **Basic Review Course:** includes live course with educational materials (PDF) and practice exam
- **Premium Review Package (BEST VALUE):** includes live course with educational materials (PDF), recorded course, Core Therapeutic Module package,* and practice exam
- **Recertification Package:** includes live course with educational materials (PDF), recorded course, and recertification assessment (for those seeking BPS recertification credit only)

**Core Therapeutic Modules are on-demand, web-based activities that help identify knowledge gaps on various topics or disease states.*

This course is eligible for up to 16 hours of recertification credit after successful completion of an online assessment, which will be available in February 2019.

For more information and to register, visit midyear.ashp.org/boardreview18.

LIVE INTENSIVE STUDY and BCOP CLINICAL SESSIONS PACKAGES

Sessions will be held live throughout the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. Purchasing an Intensive Study or BCOP Clinical Session Package does not give you access to the Live Pharmacotherapy Review and Recertification Course.

If you are currently enrolled in the Three-Year Recertification Plan or the Review and Recertification Reward Program (RRRP), the Intensive Study Package is already included as part of your enrollment.

Please note that the BCOP Clinical Sessions are a repeat of the sessions presented in October 2018 at the ACCP Annual Meeting. Learners may claim credit only once. BCOP Clinical Sessions, while named differently, follow the same format as the Live Intensive Studies.

For pharmacists who maintain more than one certification, some of these sessions provide credit for more than one specialty.

Continued on page 1567

Continued from page 1564

Ambulatory Care Pharmacy Intensive Studies Package**6.00 Hours of Recertification Credit**

INTEGRATED SESSION FORMAT: The sessions are held live throughout the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. This package includes the live sessions, recorded versions of the live sessions, and the recertification assessment available from February 6, 2019 to August 7, 2019. Any recertification credit earned will be applied in 2019.

The BCACP recertification activities are developed in partnership between ASHP and the American Pharmacists Association (APhA).

Sessions included in the Ambulatory Care Intensive Studies package include the following:

Monday, December 3**2:00 p.m.–3:30 p.m.****Expanding the Roles of Clinical Pharmacogenomics and Its Implementation**

Recertification Credit for: BCACP, BCCCP, BCGP, BCPPS, BCPS

This session is designed to provide practical information on pharmacogenomic practices that pharmacists across all specialties can immediately apply to their practice. Instead of focusing on basic terminology and challenges facing implementation, this session will provide participants with resources, practical experiences, and thought-provoking questions to take home. The topics include the translation process from result to therapeutic recommendation, strategic and tactical decisions, and current implementation models. These specific topics were carefully selected to be fundamentally important to applying pharmacogenomics and broadly applicable to all clinical specialists regardless of area or specialty. While not every pharmacist will be a specialized pharmacogenomics implementer, they should be able to identify the role of pharmacogenomics in their routine workflow.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP), Board Certified Critical Care Pharmacist (BCCCP), Board Certified Geriatric Pharmacist (BCGP), Board Certified Pediatric Pharmacy Specialist (BCPPS), and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

Tuesday, December 4**10:00 a.m.–11:00 a.m.****Using Population Health Initiatives to Expand Pharmacist Services**

Recertification Credit for: BCACP, BCGP

This session will take population health from a buzzword to a more tangible concept by making connections to reimbursement and service expansion. Pharmacists will gain a better understanding of how to prioritize their efforts in relation to various payer metrics to bring value to the team. Literature examples will be presented to demonstrate how risk stratification, big data, and analytics can further support these prioritization efforts. The faculty will also evaluate growth of services through quality performance and incentive payment success. Specific initiatives that have led to service expansion and efforts that cross the continuum of care, such as community collaboration, will be discussed.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP) and Board Certified Geriatric Pharmacist (BCGP) recertification credit.

2:00 p.m.–3:30 p.m.**A Look at Psychiatric Pharmacogenomics in Practice**

Recertification Credit for: BCACP, BCGP

The use of pharmacogenomic testing when making therapeutic decisions regarding antidepressants, antipsychotics, and other psychopharmacology medications has become more common over the last five years. In order to provide the attendee practicing in the ambulatory and geriatric settings with the knowledge needed to use pharmacogenomic test results when making therapeutic decisions related to antidepressant and antipsychotic use, this session will focus on the “nuts and bolts” of using these tools in practice. Based on the discussed cases and group discussions, participants will leave having a much greater understanding of how pharmacogenomic testing can be used when making therapeutic decisions related to antidepressant and antipsychotic use within the ambulatory and geriatric care setting. Additionally, participants will have greater knowledge regarding the limitations of this testing, and the steps necessary when interpreting results.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP) and Board Certified Geriatric Pharmacist (BCGP) recertification credit.

Wednesday, December 5**2:00 p.m.–4:00 p.m.****Examining the Influence of Cardiovascular Outcome Trials: Is It the Heart of Diabetes?****Recertification Credit for:** BCACP, BCPS

The focus for this session is to evaluate the cardiovascular outcomes and A1C-lowering effects of the dipeptidyl peptidase-4 (DPP-4) inhibitors, glucagon-like peptide-1 receptor agonist (GLP-1 RAs), and sodium-glucose cotransporter-2 (SGLT-2) inhibitors. The unique properties of these agents, as well as findings from the cardiovascular outcome trials (CVOTs), will be used in case-based, interactive discussion during which participants will make recommendations for individualized management of patients with type 2 diabetes. The intent is for participants to leave the session with the knowledge and skills to apply currently available CVOT data to their patients and to have the ability to evaluate future CVOT trials.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP) and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

**Critical Care Pharmacy Intensive Studies Package****4.00 Hours of Recertification Credit**

INTEGRATED SESSION FORMAT: The sessions are held live throughout the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. This package includes the live sessions, recorded versions of the live sessions, and the recertification assessment available from February 6, 2019 to August 7, 2019. Any recertification credit earned will be applied in 2019.

Sessions included in the Critical Care Intensive Studies package include the following:

Monday, December 3**2:00 p.m.–3:30 p.m.****Expanding the Roles of Clinical Pharmacogenomics and Its Implementation****Recertification Credit for:** BCACP, BCCCP, BCGP, BCPPS, BCPS

This session is designed to provide practical information on pharmacogenomic practices that pharmacists across all specialties can immediately apply to their practice. Instead of focusing on basic terminology and challenges facing implementation, this session will provide participants with resources, practical experiences, and thought-provoking questions to take home. The topics include the translation process from result to therapeutic recommendation, strategic and tactical decisions, and current implementation models. These specific topics were carefully selected to be fundamentally important to applying pharmacogenomics and broadly applicable to all clinical specialists regardless of area or specialty. While not every pharmacist will be a specialized pharmacogenomics implementer, they should be able to identify the role of pharmacogenomics in their routine workflow.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP), Board Certified Critical Care Pharmacist (BCCCP), Board Certified Geriatric Pharmacist (BCGP), Board Certified Pediatric Pharmacy Specialist (BCPPS), and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

Continued on page 1570

Continued from page 1568

4:00 p.m.–5:00 p.m.

Updates in the Management of Pain, Agitation, and Delirium in the ICU

Recertification Credit for: BCCCP

This session will focus on the most important aspects of the 2018 Society of Critical Care Medicine Guidelines on Pain, Agitation, and Delirium. New data connecting deeply sedated patients with poor outcomes will be discussed, along with updates on the role of specific agents, such as propofol, dexmedetomidine, ketamine, and midazolam. The data that is available discussing possible strategies, such as melatonin or melatonin receptor agonists, will be evaluated. When applicable and beneficial, specific pharmacokinetics, pharmacodynamics, and pharmacogenomics of all medications discussed will be highlighted.

This activity is approved for Board Certified Critical Care Pharmacist (BCCCP) recertification credit.

Tuesday, December 4

8:00 a.m.–9:30 a.m.

Individualizing Anticoagulation in the Acutely Ill: A Case-Based Approach

Recertification Credit for: BCCCP, BCPS

This interactive, case-based session will address challenges in managing anticoagulation in acutely ill patients. The dynamic nature of these patients' conditions, due to complications such as need for surgery, new-onset organ failure, transient acute thrombosis, or bleeding concerns, require special considerations. Clinicians must revise treatment plans as needed to assure optimal anticoagulation management. During this session, faculty will examine gaps in clinical trials and treatment guidelines, and discuss pearls for developing successful individualized anticoagulation strategies. The incorporation of real-world cases will allow participants to leave this session with practical skills they can immediately apply in their practice.

This activity is approved for Board Certified Critical Care Pharmacist (BCCCP) and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

Geriatric Pharmacy Intensive Studies Package

5.50 Hours of Recertification Credit

INTEGRATED SESSION FORMAT: The sessions are held live throughout the Midyear meeting, and any meeting registrant may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. This package includes the live sessions, recorded versions of the live sessions, and the recertification assessment available from February 6, 2019 to August 7, 2019. Any recertification credit earned will be applied in 2019.

Sessions included in the Geriatric Pharmacy Intensive Studies package include the following:

Monday, December 3

2:00 p.m.–3:30 p.m.

Expanding the Roles of Clinical Pharmacogenomics and Its Implementation

Recertification Credit for: BCACP, BCCCP, BCGP, BCPPS, BCPS

This session is designed to provide practical information on pharmacogenomic practices that pharmacists across all specialties can immediately apply to their practice. Instead of focusing on basic terminology and challenges facing implementation, this session will provide participants with resources, practical experiences, and thought-provoking questions to take home. The topics include the translation process from result to therapeutic recommendation, strategic and tactical decisions, and current implementation models. These specific topics were carefully selected to be fundamentally important to applying pharmacogenomics and broadly applicable to all clinical specialists regardless of area or specialty. While not every pharmacist will be a specialized pharmacogenomics implementer, they should be able to identify the role of pharmacogenomics in their routine workflow.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP), Board Certified Critical Care Pharmacist (BCCCP), Board Certified Geriatric Pharmacist (BCGP), Board Certified Pediatric Pharmacy Specialist (BCPPS), and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

Tuesday, December 4

8:00 a.m.–9:30 a.m.

Pharmacotherapy and Osteoarthritis: A Look at the Evidence

Recertification Credit for: BCGP

Osteoarthritis is one of the most common causes of chronic pain worldwide, especially in the older adult population. Unfortunately, evidence is mounting that our standard of care therapies (acetaminophen, NSAIDs, intraarticular corticosteroids, opioids) are either ineffective, unsafe or both. This case-based interactive session will examine the current evidence on safe and effective treatment methods for chronic pain due to osteoarthritis in the older adult. It will cover all current treatment modalities, both pharmacologic and non-pharmacologic, and look at the evidence as well as the practicality of use in the geriatric patient with multiple comorbidities.

This activity is approved for Board Certified Geriatric Pharmacist (BCGP) recertification credit.

10:00 a.m.–11:00 a.m.

Using Population Health Initiatives to Expand Pharmacist Services

Recertification Credit for: BCACP, BCGP

This session will take population health from a buzzword to a more tangible concept by making connections to reimbursement and service expansion. Pharmacists will gain a better understanding of how to prioritize their efforts in relation to various payer metrics to bring value to the team. Literature examples will be presented to demonstrate how risk stratification, big data, and analytics can further support these prioritization efforts. The faculty will also evaluate growth of services through quality performance and incentive payment success. Specific initiatives that have led to service expansion and efforts that cross the continuum of care, such as community collaboration, will be discussed.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP) and Board Certified Geriatric Pharmacist (BCGP) recertification credit.

2:00 p.m.–3:30 p.m.

A Look at Psychiatric Pharmacogenomics in Practice

Recertification Credit for: BCACP, BCGP

The use of pharmacogenomic testing when making therapeutic decisions regarding antidepressants, antipsychotics, and other psychopharmacology medications has become more common over the last five years. In order to provide the attendee practicing in the ambulatory and geriatric settings with the knowledge needed to use pharmacogenomic test results when making therapeutic decisions related to antidepressant and antipsychotic use, this session will focus on the “nuts and bolts” of using these tools in practice. Based on the discussed cases and group discussions, participants will leave having a much greater understanding of how pharmacogenomic testing can be used when making therapeutic decisions related to antidepressant and antipsychotic use within the ambulatory and geriatric care setting. Additionally, participants will have greater knowledge regarding the limitations of this testing, and the steps necessary when interpreting results.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP) and Board Certified Geriatric Pharmacist (BCGP) recertification credit.



Pediatric Pharmacy Intensive Studies Package**4.00 Hours of Recertification Credit**

INTEGRATED SESSION FORMAT: The sessions are held live throughout the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. This package includes the live sessions, recorded versions of the live sessions, and the recertification assessment available from February 6, 2019 to August 7, 2019. Any recertification credit earned will be applied in 2019.

Sessions included in the Pediatric Pharmacy Intensive Studies package include the following:

Monday, December 3**2:00 p.m.–3:30 p.m.****Expanding the Roles of Clinical Pharmacogenomics and Its Implementation****Recertification Credit for:** BCACP, BCCCP, BCGP, BCPPS, BCPS

This session is designed to provide practical information on pharmacogenomic practices that pharmacists across all specialties can immediately apply to their practice. Instead of focusing on basic terminology and challenges facing implementation, this session will provide participants with resources, practical experiences, and thought-provoking questions to take home. The topics include the translation process from result to therapeutic recommendation, strategic and tactical decisions, and current implementation models. These specific topics were carefully selected to be fundamentally important to applying pharmacogenomics and broadly applicable to all clinical specialists regardless of area or specialty. While not every pharmacist will be a specialized pharmacogenomics implementer, they should be able to identify the role of pharmacogenomics in their routine workflow.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP), Board Certified Critical Care Pharmacist (BCCCP), Board Certified Geriatric Pharmacist (BCGP), Board Certified Pediatric Pharmacy Specialist (BCPPS), and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

Tuesday, December 4**2:00 p.m.–3:30 p.m.****Evidence-Based Decision Making in Selected Pediatric and Neonatal Critical Care Cases****Recertification Credit for:** BCPPS

This interactive, case-based session will address several pharmacotherapy challenges in the management of critically ill children. Many clinical trials have recently emerged in sedation and analgesia, septic shock, and pulmonary hypertension. Faculty will apply this data to common clinical scenarios and use audience response questions to challenge learners to participate in the decision-making process. Topics will include designing optimal opioid and sedation infusions while reducing the risk of opioid tolerance and delirium, as well as managing fluid-refractory shock or shock in children with adrenal insufficiency. Finally, pulmonary hypertension crisis will be addressed, including inhaled nitric oxide and second-line therapies.

This activity is approved for Board Certified Pediatric Pharmacy Specialist (BCPPS) recertification credit.

4:00 p.m.–5:00 p.m.**Optimizing Pediatric Pharmacotherapy Through the Use of Pharmacogenomics****Recertification Credit for:** BCPPS

The purpose of this session is to educate pediatric pharmacists about current, non-oncologic applications of pharmacogenomics in children. Pediatric pharmacists are well-versed in personalizing medication therapy for their patients using clinical variables such as age, weight, body mass index, kidney function, and serum drug levels. Pharmacogenetic testing equips pediatric pharmacists with an additional tool to maximize medication efficacy and minimize toxicity. In this session, the role of the pediatric pharmacist in pharmacogenomics will be discussed. Participants will learn how to interpret and apply pharmacogenetic test results to patient care in order to optimize pediatric pharmacotherapy for a wide range of disease states, as well as learn where to find evidence-based, up-to-date pediatric pharmacogenomics information. The session will also examine current pharmacist-led implementations of pediatric pharmacogenomics programs along with best practices. Lastly, future trends in pediatric pharmacogenomics will be explored.

This activity is approved for Board Certified Pediatric Pharmacy Specialist (BCPPS) recertification credit.

Continued on page 1574

Continued from page 1572

Pharmacotherapy Intensive Studies Package**6.00 Hours of Recertification Credit**

INTEGRATED SESSION FORMAT: The sessions are held live throughout the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. This package includes the live sessions, recorded versions of the live sessions, and the recertification assessment available from February 6, 2019 to August 7, 2019. Any recertification credit earned will be applied in 2019.

Sessions included in the Pharmacotherapy Intensive Studies package include the following:

Monday, December 3**2:00 p.m.–3:30 p.m.****Expanding the Roles of Clinical Pharmacogenomics and Its Implementation**

Recertification Credit for: BCACP, BCCCP, BCGP, BCPPS, BCPS

This session is designed to provide practical information on pharmacogenomic practices that pharmacists across all specialties can immediately apply to their practice. Instead of focusing on basic terminology and challenges facing implementation, this session will provide participants with resources, practical experiences, and thought-provoking questions to take home. The topics include the translation process from result to therapeutic recommendation, strategic and tactical decisions, and current implementation models. These specific topics were carefully selected to be fundamentally important to applying pharmacogenomics and broadly applicable to all clinical specialists regardless of area or specialty. While not every pharmacist will be a specialized pharmacogenomics implementer, they should be able to identify the role of pharmacogenomics in their routine workflow.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP), Board Certified Critical Care Pharmacist (BCCCP), Board Certified Geriatric Pharmacist (BCGP), Board Certified Pediatric Pharmacy Specialist (BCPPS), and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

Tuesday, December 4**8:00 a.m.–9:30 a.m.****Individualizing Anticoagulation in the Acutely Ill: A Case-Based Approach**

Recertification Credit for: BCCCP, BCPS

This interactive, case-based session will address challenges in managing anticoagulation in acutely ill patients. The dynamic nature of these patients' conditions, due to complications such as need for surgery, new-onset organ failure, transient acute thrombosis, or bleeding concerns, require special considerations. Clinicians must revise treatment plans as needed to assure optimal anticoagulation management. During this session, faculty will examine gaps in clinical trials and treatment guidelines, and discuss pearls for developing successful individualized anticoagulation strategies. The incorporation of real-world cases will allow participants to leave this session with practical skills they can immediately apply in their practice.

This activity is approved for Board Certified Critical Care Pharmacist (BCCCP) and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

4:00 p.m.–5:00 p.m.**Current Concepts: The Application of Cardiovascular Pharmacogenomics in Clinical Practice**

Recertification Credit for: BCPS

The purpose of this educational session is to examine the application of actionable drug-gene pairs in cardiovascular pharmacy practice with a focus on three high-use and pharmacogenetically actionable cardiovascular medications: clopidogrel, warfarin, and simvastatin. Together, the current literature for clopidogrel, warfarin, and simvastatin suggests that the time is now to promote the implementation of pharmacogenomic testing for these medications in clinical practice in order to improve care for patients with cardiovascular diseases.

This activity is approved for Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

Wednesday, December 5

2:00 p.m.–4:00 p.m.

Examining the Influence of Cardiovascular Outcome Trials: Is It the Heart of Diabetes?

Recertification Credit for: BCACP, BCPS

The focus for this session is to evaluate the cardiovascular outcomes and A1C-lowering effects of the dipeptidyl peptidase-4 (DPP-4) inhibitors, glucagon-like peptide-1 receptor agonist (GLP-1 RAs), and sodium-glucose cotransporter-2 (SGLT-2) inhibitors. The unique properties of these agents, as well as findings from the cardiovascular outcome trials (CVOTs), will be used in case-based, interactive discussion during which participants will make recommendations for individualized management of patients with type 2 diabetes. The intent is for participants to leave the session with the knowledge and skills to apply currently available CVOT data to their patients and to have the ability to evaluate future CVOT trials.

This activity is approved for Board Certified Ambulatory Care Pharmacist (BCACP) and Board Certified Pharmacotherapy Specialist (BCPS) recertification credit.

BCOP Clinical Sessions

4.00 Hours of Recertification Credit

INTEGRATED SESSION FORMAT: The sessions are held on Tuesday during the Midyear meeting, and any meeting attendee may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. This package includes the live sessions, recorded versions of the live sessions, and the recertification assessment that is currently available.

Please note that the BCOP Clinical Sessions are a repeat of the sessions presented in October 2018 at the ACCP Annual Meeting. Attendees may claim credit only once. BCOP Clinical Sessions, while named differently, follow the same format as the Live Intensive Studies. Any recertification credit earned will be applied in either 2018 or 2019, depending on the year in which the assessment is successfully completed.

BCOP recertification activities are developed in partnership between ASHP and the American College of Clinical Pharmacy (ACCP).

Sessions included in the BCOP Clinical Sessions package include the following:

Tuesday, December 4

8:00 a.m.–10:00 a.m.

Advances in Cardio-Oncology: Prevention and Management of Cardiovascular Complications Associated with Anticancer Therapies

Recertification Credit for: BCOP

The BCOP Clinical Sessions are part of the professional development program for the recertification of board-certified oncology pharmacists, approved by the Board of Pharmacy Specialties and jointly provided by the American College of Clinical Pharmacy (ACCP) and the American Society of Health-System Pharmacists (ASHP).

This activity is approved for Board Certified Oncology Pharmacist (BCOP) recertification credit.

2:00 p.m.–4:00 p.m.

Do You Immuno? Supporting Patients with Advanced Malignancy Receiving Immunotherapy—From Symptom Management to Effective Communication and Beyond!

Recertification Credit for: BCOP

The BCOP Clinical Sessions are part of the professional development program for the recertification of board-certified oncology pharmacists, approved by the Board of Pharmacy Specialties and jointly provided by the American College of Clinical Pharmacy (ACCP) and the American Society of Health-System Pharmacists (ASHP).



Pre-Meeting Workshops

Get a jump-start on learning—participate in a workshop. You must be a full Midyear Clinical Meeting registrant and pay a separate fee to attend pre-meeting workshops. Registration fees for full-day workshops include lunch and refreshments during breaks.

Enrollment is limited, and workshops fill quickly, so register soon. Registration must be received on or before November 26.

ASHP reserves the right to cancel a workshop for reasons that make it impractical or unreasonable to conduct. If that occurs, each registrant will be issued a full refund.

Saturday, December 1

8:00 a.m.–5:00 p.m.

Residency Program Design and Conduct (RPDC)

Workshop Fee: \$390 (lunch and break included)

NOTE: CE credit will not be offered for this workshop.

In this workshop, attendees will review accreditation standards for the design and conduct of a residency program, including requirements related to program purpose, competency areas, goals and objectives, program structure, learning experiences, orientation, use of preceptor roles, evaluation, resident development plans, and continuous residency program improvement. Attendees may bring materials from their program for review during the workshop. Take advantage of the opportunity to get your questions answered and share ideas for meeting accreditation requirements.

Learning Objectives:

- Identify the purpose and competency areas for a pharmacy residency and related accreditation requirements.
- Outline accreditation requirements for residency program structure and orientation.
- Describe accreditation requirements for learning experiences and their written descriptions, including requirements for resident learning activities.
- In specified scenarios, identify the most appropriate preceptor role to use with a resident.
- Distinguish whether examples of formative and summative feedback to residents meet accreditation requirements.
- Determine whether portions of resident development plans meet accreditation requirements, and identify ways to improve the plans.
- Summarize accreditation requirements for continuous residency program improvement.

You must select one of the following areas when registering:

- **RPDC A: PGY1 New Programs** (limit: 80 participants)

Workshop Faculty:

Andrea Haron, Pharm.D., Accreditation Services Associate, ASHP, Bethesda, MD

Mitsi H. Lizer, Pharm.D., BCPP, Accreditation Services Associate, ASHP, Bethesda, MD

Mary Kate McGinty, B.S.Pharm., M.S., Accreditation Services Associate, ASHP, Bethesda, MD

Harminder Sikand, Pharm.D., Director of Clinical Services and Residency Programs, Scripps Health, San Diego, CA

- **RPDC B: PGY1 Existing Programs** (limit: 100 participants)

Workshop Faculty:

Kimberly Mattox, Pharm.D., Associate Chief of Pharmacy for Clinical and Educational Programs, James A. Haley Veterans' Hospital, Lutz, FL

Beth Phillips, Pharm.D., BCACP, BCPS, FASHP, FCCP, Rite Aid Professor, University of Georgia, Athens, GA

David J. Warner, Pharm.D., Director, Center on Practice Development, ASHP, Bethesda, MD

- **RPDC C: PGY2 New and Existing Programs** (limit: 80 participants)

Workshop Faculty:

Susan D. Francis, Pharm.D., BCPS, Accreditation Services Associate, ASHP, Bethesda, NC

William Miller, Pharm.D., M.S., Pharmacy Consultant, Miller Associates, Charleston, SC

Steven Pass, Pharm.D., BCPS, FASHP, FCCM, FCCP, Professor and Regional Dean, Texas Tech University Health Sciences Center School of Pharmacy, Dallas, TX

Sunday, December 2

8:00 a.m.–4:45 p.m.
340B University™



Contact Hours: 7.00 | Knowledge-based
Breakfast and lunch are included. Midyear Clinical Meeting registration is not required (limit: 350 participants).

For more information and to register, visit
www.eiseverywhere.com/ehome/358415.

8:00 a.m.–5:00 p.m.

Basic Statistics: A Nonthreatening Approach to the Use of Statistics in Clinical Trials 2018

Activity #: 0204-0000-18-349-L04-P

7.50 Contact Hours | Application-based

Workshop Fee: \$390 (lunch and break included; limit: 40 participants)

Learn how to apply basic statistical tests to research reports typically seen in medical literature. This workshop explores the most commonly used tests, including t-tests, analysis of variance, tests for equivalence, Z-test of proportions, odds ratios and relative risk ratios, chi-square,

correlation, and linear regression. Practical examples and problems drawn from scientific research will be used to illustrate statistical concepts and mathematical procedures. Emphasis is on the appropriate use of statistics and the interpretation of their results.

Learning Objectives:

- Define statistical terms commonly encountered in the literature.
- List various graphic and numeric methods for presenting descriptive statistics.
- Discuss the major types of variables and define the general rule of probability in inferential statistics.
- Select the appropriate statistical test given the type of data presented.
- Evaluate example problems to identify the type of variables involved and the most appropriate statistical test(s) to use.

Workshop Faculty: James E. DeMuth, B.S.Pharm., Ph.D., M.S., Professor Emeritus, University of Wisconsin-Madison, Madison, WI

Continued on page 1578



Continued from page 1577

Resident and New Practitioner Programming

Educational Session Materials Available November 15!

Materials will be available on the web-based itinerary planner to download or print for all registered attendees on **November 15**. Print the materials for the sessions you plan to attend before the meeting and bring them with you. Handouts will not be provided in the session rooms. Visit www.eventscribe.com/2018/ASHP-Meeting for more information.

NOTE: Printers will not be provided onsite.

Are you in your first five years of pharmacy practice? You're probably still finding your way—and your concerns, needs, and interests aren't the same as those of your more seasoned colleagues.

ASHP developed this programming to address the unique needs of residents and new practitioners at the

Midyear meeting. Explore workplace challenges, mentorship, and clinical issues in an encouraging and motivational atmosphere.

Best of all, entry into this programming is included in your full Midyear meeting registration fee.

Ensure your success. Spend your weekend with other residents and new practitioners, and see your way to a great future.

Career Development

Learn tips and tricks that your colleagues have used successfully to grow and advance their careers.

Clinical Development

You've earned the right to be a member of the healthcare team. On a day-to-day basis, you must demonstrate that you are competent, professional, intelligent, and credible. Learn ways to improve your clinical skills, regardless of your area of practice.

Sunday, December 2

	Career Development	Clinical Development
8:30 a.m.–10:00 a.m.	Solution-Driven Strategies: Promoting Clinician Well-Being	Managing Marijuana: Navigating Patient Safety Issues in the Age of Legalized Cannabis
10:15 a.m.–11:45 a.m.	Are You Smart? Using Emotional Intelligence for Professional Advancement	Five Stages to Discontinuing Opioids: Having Conversations to De-Escalate, Discontinue, or Deprescribe Opioids for Chronic Pain
11:45 a.m.–12:45 p.m.	Lunch on Own	
12:45 p.m.–2:15 p.m.	The Perfect Slice of (Preceptor Role) Apple Pie: Just Like Grandma Made	New HYPeRcholesterolemia Guidelines: Are They Worth All the HYPE?
2:15 p.m. 3:30 p.m.	Trying Something New: Novel Approaches to Teaching Critical Literature Analysis	It's Teamwork: Advantages of an Interprofessional Approach to Antimicrobial Stewardship
4:00 p.m.–5:00 p.m.	New Practitioner Networking Session	

8:30 a.m.–10:00 a.m.

Solution-Driven Strategies: Promoting Clinician Well-Being

Planned in cooperation with the ASHP New Practitioners Forum

Activity #: 0204-0000-18-211-L04-P

1.50 Contact Hours | Application-based

Educational Level: General Interest

Track: Career Development

Learning Objectives:

- Identify the internal and external drivers that impact clinician well-being in the workplace.
- Apply principles of motivation through workplace appreciation strategies.

- Develop an individual and organizational plan to implement select strategies in the respective workplace settings.

Program Chair, Presenter, Moderator: Seena L. Haines, Pharm.D., BCACP, BD-ADM, CDE, FAPhA, FASHP, FCCP, FNAP, Professor and Chair Department of Pharmacy Practice, University of Mississippi, Madison, MS

Presenter: Jenny Van Amburgh, Pharm.D., B.S., R.Ph., BCACP, CDE, FAPhA, Clinical Professor, Assistant Dean for Academic Affairs, Northeastern University, Boston, MA

9:00 a.m.–10:00 a.m.

Managing Marijuana: Navigating Patient Safety Issues in the Age of Legalized Cannabis

Planned in cooperation with the ASHP New Practitioners Forum

Activity #: 0204-0000-18-215-L01-P

1.00 Contact Hours | Application-based

Educational Level: Intermediate

Track: Clinical Development

Learning Objectives:

- Identify challenges that the legal disparities of marijuana present to healthcare providers.
- Differentiate various cannabinoids and their effects.
- Given a patient case, identify drug-drug and drug-disease interactions.
- Develop a counseling strategy that addresses clinical concerns while managing patient and/or family choices.

Program Chair, Presenter, Moderator: Michael Barberio, Pharm.D., Emergency Medicine Pharmacist, Children's Hospital Colorado, Aurora, CO

Presenter: Jennifer Jorgensen, Pharm.D., Pediatric Clinical Pharmacist General Medicine, Children's Hospital Colorado, Denver, CO

10:15 a.m.–11:30 a.m.

Five Stages to Discontinuing Opioids: Having Conversations to De-Escalate, Discontinue, or Deprescribe Opioids for Chronic Pain

Planned in cooperation with the ASHP New Practitioners Forum

Activity #: 0204-0000-18-216-L01-P

1.25 Contact Hours | Application-based

Educational Level: Intermediate

Track: Clinical Development

Learning Objectives:

- Describe a complete workshop on difficult conversations related to chronic pain management.
- Given a scenario, apply best practice tools for pain management.
- Given a scenario, develop a novel, empathy-driven approach to pain discussions especially focused on stopping controlled substances.

Program Chair, Presenter, Moderator: Kevin W. Chamberlin, Pharm.D., FASCP, Associate Clinical Professor & Assistant Department Head, Pharmacy Practice & PGY1 Residency Program Director, UConn School of Pharmacy & UConn John Dempsey Hospital, Farmington, CT

Presenter: Rebecca Andrews, M.D., M.S., FACP, Associate Professor of Medicine; Associate Program Director and Director Ambulatory Education IM Residency Program, University of CT Medical School, Farmington, CT

10:15 a.m.–11:45 a.m.

Are You Smart? Using Emotional Intelligence for Professional Advancement

Planned in cooperation with the ASHP New Practitioners Forum

Activity #: 0204-0000-18-212-L04-P

1.50 Contact Hours | Application-based

Educational Level: General Interest

Track: Career Development

Learning Objectives:

- Define emotional intelligence (EI).
- Identify EI strategies for self-evaluation.
- Describe why EI is an essential component of professional success.
- Create a personal action plan for development or improvement of EI.

Program Chair, Moderator: Ruth Dapaah-Afriyie, B.Pharm. (Hons.), Pharm.D., BCACP, CDOE, CVDOE, Senior Clinical Pharmacist Specialist, Rhode Island Hospital–Lifespan Affiliate, Providence, RI

Presenter: Bill Bowman, B.S.Pharm., Ph.D., Associate Professor of Pharmaceutical Sciences, Midwestern University College of Pharmacy–Glendale, Glendale, AZ

Presenter: Erin Raney, Pharm.D., BC-ADM, BCPS, FCCP, Professor of Pharmacy Practice, Midwestern University College of Pharmacy–Glendale, Glendale, AZ

11:45 a.m.–12:45 p.m.

Lunch on Own

12:45 p.m.–2:00 p.m.

The Perfect Slice of (Preceptor Role) Apple Pie: Just Like Grandma Made

Planned in cooperation with the ASHP New Practitioners Forum

Activity #: 0204-0000-18-213-L04-P

Activity #: 0204-0000-18-213-L04-T

1.25 Contact Hours | Application-based

Educational Level: General Interest

Track: Career Development

Learning Objectives:

- Define the four preceptor roles: direct instruction, modeling, coaching, and facilitating.
- Design an individualized learning experience that layers in the four preceptor roles.
- Create an assessment plan for mastery of the four preceptor roles.

Program Chair, Presenter, Moderator: Melinda (Mindy) J. Burnworth, Pharm.D., BCPS, FASHP, FAzPA, Professor of Pharmacy Practice, Midwestern University College of Pharmacy–Glendale, Glendale, AZ

Presenter: Diane B. Ginsburg, Ph.D., M.S., R.Ph., FASHP, Associate Dean for Healthcare Partnerships and Clinical Professor, The University of Texas at Austin, Austin, TX

12:45 p.m.–2:15 p.m.**New HYPERcholesterolemia Guidelines: Are They Worth All the HYPE?***Planned in cooperation with the ASHP New Practitioners Forum and the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-218-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Track:** Clinical Development**Learning Objectives:**

- Explain treatment recommendations included in the new American College of Cardiology–American Heart Association (ACC-AHA) hypercholesterolemia guidelines.
- Apply new guidelines to the management of patients with hypercholesterolemia.
- Identify clinical controversies regarding the benefits of treating hypercholesterolemia in sub-populations.
- Evaluate challenges with the application of the updated guidelines when treating hypercholesterolemia.

Program Chair, Moderator: Joel C. Marrs, Pharm.D., BCACP, BCPS-AQ Cardiology, CLS, FAHA, FASHP, FCCP, FNLA, Associate Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Science, Aurora, CO

Presenter: Joseph Saseen, Pharm.D., BCACP, BCPS, CLS, Professor and Vice Chair, University of Colorado Anschutz Medical Campus, Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

2:15 p.m.–3:30 p.m.**Trying Something New: Novel Approaches to Teaching Critical Literature Analysis***Planned in cooperation with the ASHP New Practitioners Forum and the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-214-L04-P

1.25 Contact Hours | Application-based

Educational Level: General Interest**Track:** Career Development**Learning Objectives:**

- Describe learning strategies that can be used to teach critical literature analysis.
- Using a specific technique, evaluate an abbreviated journal club activity.
- Evaluate the pros and cons of using a journal club to teach critical literature analysis.

Program Chair, Presenter, Moderator: Michael J. Scalese, Pharm.D., BCPS, CACP, Cardiology Clinical Pharmacy Specialist, Palmetto Health Richland, Columbia, SC

Presenter: Bobby Helmer, Pharm.D., BCPS, Assistant Clinical Professor, Auburn University Harrison School of Pharmacy, Mobile, AL

2:30 p.m.–3:30 p.m.**It's Teamwork: Advantages of an Interprofessional Approach to Antimicrobial Stewardship**

Activity #: 0204-0000-18-217-L01-P

1.00 Contact Hours | Application-based

Educational Level: Intermediate**Track:** Clinical Development**Learning Objectives:**

- Describe the Joint Commission's Medication Management standards related to an antimicrobial stewardship program (ASP).
- Discuss the integral elements related to an ASP.
- Evaluate the importance of an interprofessional approach to establishing a successful ASP.
- Given a scenario, recommend solutions to better manage data collection and analysis of ASP-related metrics.

Program Chair, Presenter, Moderator: Paul T. Green, Pharm.D., M.H.A., BCPS, Clinical Manager, CompleteRx; Residency Program Director, Upper Allegheny Health System, Warren, PA

Presenter: Maria C. Minskovsky, Pharm.D., PGY1 Pharmacy Resident, Olean General Hospital, Manlius, NY

4:00 p.m.–5:00 p.m.**New Practitioner Networking Session**

- What keeps you up at night?
- What professional challenges do you face that are complex and multifaceted, with no clear-cut answers?
- What personal or professional development problems would you like help solving by connecting with peers who've successfully maneuvered out of similar circumstances?

We encourage you to stick around for a new practitioner networking session designed to help you connect peers and share information, resources, and ideas you're looking for to tackle your most pressing issues. New practitioners face many challenges as they begin their careers from seeking board certification to becoming student and resident preceptors, and navigating personal and professional development throughout career transitions. This interactive session will result in new connections, better engagement, and takeaways to improve your practice and pursuit of work-life integration.

ASHP Pharmacy Student Forum Programming

Saturday, December 1

7:00 a.m.–6:00 p.m.

Clinical Skills Competition Semi-Final Round

(closed session)

It's the battle of the best and brightest. Winning teams from the preliminary round (school-level) competitions at each college of pharmacy will compete in the semi-final round at the national level, showcasing their clinical skills and knowledge.

Sponsored by the ASHP Research and Education Foundation and supported by Wolters Kluwer Health

Sunday, December 2

7:00 a.m.–8:30 a.m.

Pharmacy Student Forum Advisory Group Meetings

(closed session by invitation only)

8:30 a.m.–10:00 a.m.

SSHP Leaders Workshop

Current officers or emerging leaders in Student Societies of Health-System Pharmacy (SSHP) will join other student leaders from across the nation to network, share, and reapply best practices from fundraising to programming.

Presenters:

Maggie Lau, Pharm.D. Candidate 2019, Midwestern University Chicago College of Pharmacy, Chicago, IL

Sara Loftus, Pharm.D. Candidate 2020, Northeast Ohio Medical University College of Pharmacy, and Member Pharmacy Student Forum Executive Committee, Columbia Station, OH

9:00 a.m.–10:00 a.m.

Workforce Well-Being and Resilience

The healthcare workforce is reporting alarming rates of depression, post-traumatic stress disorder, and poor work-life balance leading to clinician burnout. At the individual clinician level, it presents as emotional exhaustion, depersonalization, and a low sense of accomplishment. At the healthcare system level, it is associated with medical errors and loss of productivity. This presentation will frame the problem of burnout as both a patient care and healthcare workforce problem and introduce attendees to the National Academy of Medicine (NAM) Action Collaborative on Clinical Well-Being and Resilience. ASHP is a sponsor of this Action Collaborative and working to identify mechanisms that support and ensure a thriving and stable pharmacy workforce.

Presenters:

Nicole J. Clark, Pharm.D., M.H.A., BCPS, FMSHP, Pharmacy Clinical Practice and Education Manager, Melrose-Wakefield Healthcare, Melrose, MA

Heather Jones, Pharm.D., M.S., Pharmacy Manager, Oncology Services, University of Wisconsin Health, Middleton, WI

Rebecca A. Taylor, Pharm.D., M.B.A., BCPS, Director of Pharmacy, Cleveland Clinic Fairview and Lutheran Hospitals, Cleveland, OH

10:00 a.m.–11:20 a.m.

Pharmacy Student Forum Opening Session

Join your fellow ASHP Pharmacy Student Forum members to kick off the Midyear meeting. This session will start with a lot of excitement as the top 10 finalist teams from the national Clinical Skills Competition are announced.

This session will explore the American addiction pandemic through the lens of someone who has navigated their way out. An injured survivor of the Columbine High School shooting, Austin Eubanks is no stranger to pain. Now in long-term recovery and a behavioral health expert, Austin will use his personal story as a case study to further examine the way our culture is being disproportionately affected by addiction.

Moderator: Judith Lovince, Pharm.D. Candidate 2019, Florida A&M University, College of Pharmacy and Pharmaceutical Sciences, and Chair, Pharmacy Student Forum Executive Committee, Pompano Beach, FL

Featured Speaker: Austin Eubanks

Flipping the Script on the Worst Public Health Crisis the Nation Has Ever Seen

An injured survivor of the Columbine shooting, Austin's traumatic experience as a teen was the catalyst to his painful journey through addiction. Now in long-term recovery, he has devoted his career to helping those who have turned to substances as a result of trauma. Austin has spoken to thousands across the nation regarding his personal journey as well as strategies for addressing the issues of substance abuse plaguing the nation.



Austin Eubanks

His story has garnered the interest of countless major media outlets including the BBC and People Magazine.

As the Chief Operations Officer for Foundry Treatment Center, Austin directs a multi-phase, nationally accredited treatment program overseeing a team of more than three-dozen care professionals. Leading both program management and business development, his approach bridges the gap between the administrative and clinical functions to provide superior care and achieve optimal business performance.

In his non-profit board roles, Austin helps to advance the objectives of Stout Street Foundation, a 180-bed therapeutic community serving primarily an indigent population, and 5280 High School, a 400-student Denver Public Charter School focused on prevention and addiction recovery in adolescents—Denver's first and only public recovery high school.

Austin was previously the Director of Operations for North-Star Transitions, a young-adult, transitional treatment program in Boulder, Colorado, working with college age men and women transitioning from residential treatment to independent living, and the Executive Director of Quiet River Transitional Recovery Community, a luxury transitional treatment program in Denver, Colorado focusing on lifestyle reintegration for professionals in recovery. Austin's previous decade of experience as an advertising executive lends further insight into business management and brand strategy within the agencies he directs.

When Austin isn't working, speaking, or helping others, you can find him exploring the waters of Northwest Colorado with his fly rod and spending time with his two sons, Caden and Landon.

11:30 a.m.–12:30 p.m.

Mysteries of the Match

Learn how the pharmacy residency matching service works, learn strategies to successfully navigate through the Match, and receive tips on what to do if you don't match.

Speaker: Mary Hess, Pharm.D., FASHP, FCCM, FCCP, Associate Dean, Student Affairs, Jefferson College of Pharmacy, Thomas Jefferson University, Philadelphia, PA

1:00 p.m.–3:50 p.m.

Clinical Skills Competition Final Round Presentations

It's the battle of the best and brightest. On Saturday, winning teams from the preliminary round (school-level) competitions at each college of pharmacy competed in the semi-final round at the national level, showcasing their clinical skills and knowledge. Now the top 10 finalist teams defend their case to be crowned champion. Enjoy the range of presentations at this impressive session, and stick around following the presentations for the case review with the national case writer.

Sponsored by the ASHP Research and Education Foundation and supported by Wolters Kluwer Health

1:30 p.m.–2:30 p.m.

PhORCAS: The Centralized Application System for Pharmacy Residencies

PhORCAS is the Pharmacy Online Centralized Application Service. Learn about the process and how it will save you time when submitting your residency application. You'll also have the opportunity to ask questions about the service.

Speakers:

Brendan J. Reichert, M.S., R.Ph., PhORCAS Advisory Committee, Informatics Consultant and Project Manager for Johns Hopkins, Powell, OH

Deborah Erdner, M.S., Vice President, Account Management, Liaison International, LLC, Watertown, MA

2:30 p.m.–3:00 p.m.

Mindfulness and Meditation Exercise

Contemplative practices such as mindfulness and meditation are increasing in popularity as a stress management tool and wellness strategy. Briefly explore the history and types of meditation, and discover the emerging science and health benefits behind this ancient technology. Attendees will also learn simple practices to experience the benefits of meditation.

Speaker: Lisa Hanlon Wilhelm, B.S.Pharm., R.Ph., Medication Safety and Compliance Specialist, Penn State Milton S. Hershey Medical Center, Hershey, PA

3:15 p.m.–4:45 p.m.

Strategies for Personal and Professional Success

Be inspired and motivated to take action in achieving your personal and professional career goals. Panelists of pharmacy leaders will provide examples of how to successfully learn and incorporate skills including work-life integration, emotional intelligence, self-assessment, and mentor-coach-sponsor relationships.

Speaker: Katherine A. Miller, Pharm.D., M.H.A., Pharmacy Director–System Inpatient Clinical Services, PGY1 Pharmacy Residency Program Director, The University of Kansas Health System, Kansas City, KS

5:00 p.m.–6:00 p.m.

Student Society Showcase

Join us as we recognize and celebrate the accomplishments of our ASHP student leaders. Student Societies of Health-System Pharmacy (SSHPs) will spotlight their achievements in the annual Student Society Showcase. Take this opportunity to learn about best practices from SSHPs across the nation, and find out how you can reapply their successful events on your campus.

Monday, December 3

7:30 a.m.–5:00 p.m.

Personnel Placement Service (PPS)

For more information, see page 1531.

9:00 a.m.–10:30 a.m.

Opening Session

For more information, see page 1555.

10:45 a.m.–11:45 a.m.

Student Poster Session

11:00 a.m.–3:00 p.m.

Exhibit Program

11:30 a.m.–1:00 p.m.

Career Pearls for Students

Undecided about your career path? From clinical to management, informatics to ambulatory care—the options seem endless. Hear from 12 pharmacists who work in various pharmacy practice settings to learn more about what a day in the life is like. Take away information about careers you have interest in but never took the time to learn about—you may even find something you never knew existed.

11:35 a.m.–12:15 p.m.

Group 1

- Ambulatory Care
- Clinical Leadership
- Emergency Medicine
- Government
- Infectious Diseases

12:20 p.m.–1:00 p.m.

Group 2

- Medication Safety
- Pain Management
- Pediatrics
- Small/Rural Hospital Practice
- Specialty Pharmacy
- Surgery/Critical Care

12:00 p.m.–1:00 p.m.

Student Poster Session

Residency Showcase™

Monday, December 3: 1:00 p.m.–4:00 p.m.

Tuesday, December 4: 8:00 a.m.–11:00 a.m.
1:00 p.m.–4:00 p.m.

The Residency Showcase™ is for individuals pursuing residency positions in 2018-19. Make the rounds all in one place—and save time and money. The Residency Showcase™ is designed for your convenience, allowing you to meet with representatives from hundreds of programs across the country. The showcase is continued on Tuesday, but each program will be available during only one of the three time slots, so plan ahead. Business attire is recommended.

For those students interested in visiting the Residency Showcase™ but who will not be pursuing a residency in 2019, please wait until the second half to enter the showcase. Be courteous—do not engage programs in a discussion at this point, as this prevents them from talking to those pursuing residency positions next year. We recommend attending the student educational sessions on Monday and Tuesday, which are designed exclusively for P1-P3 students.

- *Fundamental Strategies to Secure a Residency: Getting a Head Start as a P1-P3*
- *Effective CV and Resume Writing*
- *What to Do When the Unexpected Happens*

1:30 p.m.–3:00 p.m.

Fundamental Strategies to Secure a Residency: Getting a Head Start as a P1-P3

In the tough competition for postgraduate positions, how do you stand out? This presentation will provide fundamental tips, a timeline, and answers to some of the questions you may have, such as: When do I start planning my residency search strategy? How can I set up a plan and task list to keep myself on target for success as a P1 student? How can I excel in the interview process? You will receive candid advice and guidance that will be directly applicable to your hunt for a postgraduate residency or fellowship. You will be able to follow an outline of what you will need to do as a student during the P1 to P3 years to successfully prepare yourself for the residency or fellowship application process.

Speaker: Joshua Caballero, Pharm.D., BCPP, FCCP, Associate Professor, Professor and Chair, Department of Clinical and Administrative Sciences, Larkin University, College of Pharmacy, Miami, FL

3:15 p.m.–4:15 p.m.**What to Do When the Unexpected Happens**

This session will discuss strategies for achieving your personal and professional career goals when unexpected seem to derail you.

Speakers:

Elizabeth Canterbury, Pharm.D., PGY2 Emergency Medicine Pharmacy Resident, Swedish American Hospital, Rockford, IL

Gabriel Hinojosa, Pharm.D., Pharmacy Practice Resident, Northside Hospital, Atlanta, GA

4:30 p.m.–5:30 p.m.**Financial Management**

The days of living off student loans and fast food are coming to an end. You are entering the real world of working professionals—and the real world of mortgages, debt, bills, and investment opportunities. This session will help you manage your finances and learn strategies to help you handle your current responsibilities while planning for the future.

Tuesday, December 4**7:00 a.m.–9:00 a.m.****SSH Faculty Advisor Breakfast Workshop**

(closed session by invitation only)

Speaker: Diana L. Dabdub, Director, Pharmacy Student Forum, ASHP, Bethesda, MD

**7:30 a.m.–5:00 p.m.****Personnel Placement Service (PPS)**

For more information, see page 1531.

8:00 a.m.–11:00 a.m.**Residency Showcase™**

For more information, see page 1531.

10:45 a.m.–11:45 a.m.**Student Poster Session****11:00 a.m.–3:00 p.m.****Exhibit Program****12:00 p.m.–1:00 p.m.****Student Poster Session****1:00 p.m.–4:00 p.m.****Residency Showcase™**

For more information, see page 1531.

1:00 p.m.–2:00 p.m.**Effective CV Writing and Self-Marketing**

Getting ready to enter the pharmacy workforce? Before you know it, potential employers will start requesting your CV or resume. Get real-world advice on how to market your skills effectively, and learn important tips about preparing your CV and resume—and how to avoid common mistakes.

Speaker: Jacob Thompson, Pharm.D., M.S., Regional Director, Pharmacy Operations and Compliance, PGY1/PGY2 Health-System Pharmacy Administration, Residency Program Director, Providence Health & Services—OR, Portland, OR

2:00 p.m.–3:00 p.m.**Student Advocacy Workshop**

This session will provide an overview of the components of political advocacy as well as background on key issues affecting pharmacy students.

Speakers:

Mindy Burnworth, Pharm.D., BCPS, FASHP, FAzPA, Professor, Department of Pharmacy, Midwestern University College of Pharmacy—Glendale, Glendale, AZ

John Hertig, Pharm.D., M.S., CPPS, Associate Director, Purdue Center for Medication Safety Advancement, Indianapolis, IN

3:15 p.m.–4:15 p.m.**Diversity, Inclusion, and Cultural Sensitivity**

REVIEW AND RECERTIFICATION ARE ASHP'S MAGIC WORDS

LIVE
PHARMACOTHERAPY
REVIEW AND
RECERTIFICATION
COURSE

DECEMBER 1-2

ANAHEIM, CA
#ASHP18



REGISTER NOW AT
MIDYEAR.ASHP.ORG/BOARDREVIEW18



4:30 p.m.–5:30 p.m.

Clinical Pearls for Students

Based on the popular Clinical Pearls session for practicing pharmacists, this session is custom-tailored for a student audience. Come hear the valuable lessons learned as new practitioners share clinical pearls that can help you prepare for residency training or entering practice. This session is planned in collaboration with the NPF Clinical Practice Advisory Group.

8:00 p.m.–close

Students' Night Out

Party with a purpose! After a long week of education programming, interviews, poster presentations, and more; you need to kick back and relax. Join pharmacy students from across the country for a fun night out in Anaheim! Must be 21 years or older with proper ID to enter venue. Shuttle service will not be provided.

Wednesday, December 5

7:30 a.m.–5:00 p.m.

Personnel Placement Service (PPS)

For more information, see page 1531.

8:30 a.m.–9:30 a.m.

Student Poster Session

11:00 a.m.–2:00 p.m.

Exhibit Program

6:45 p.m.–11:15 p.m.

Midyear Music Festival

Celebrating the ASHP Foundation's 50th Anniversary

For more information, see page 1566.

Continued on page 1586

Continued from page 1585

Programming for Small & Rural Hospital Practitioners

Educational Session Materials Available November 15!

Materials will be available on the web-based itinerary planner to download or print for all registered attendees on November 15. Print the materials for the sessions you plan to attend before the meeting and bring them with you. Handouts will not be provided in the session rooms. Visit www.eventscribe.com/2018/ASHP-Meeting for more information.

NOTE: Printers will not be provided onsite.

Sunday, December 2

12:00 p.m.–1:15 p.m.

Small and Rural Keynote: What's New in Rural Healthcare?

Planned in cooperation with the ASHP Section of Inpatient Care Practitioners Advisory Group on Small and Rural Hospitals

Activity #: 0204-0000-18-204-L04-P

1.00 Contact Hours | Knowledge-based

Educational Level: General Interest

Don't miss the special welcomes and updates from ASHP and Section Advisory Group leaders. CE credit is not available for the welcome.

Learn about trends in small and rural healthcare and current factors that are driving change. Hear about innovative initiatives in providing care to patients who live in rural communities. New models of care and updates on where pharmacists can positively impact patient care will be discussed.



Learning Objectives:

- List current factors driving healthcare services provided in small and rural hospitals.
- Discuss trends and issues that impact pharmacy services and practice trends in small and rural hospitals.

Program Chair, Moderator: Erika Thomas, B.S.Pharm., M.B.A., Director, Section of Inpatient Care Practitioners, ASHP, Bethesda, MD

Presenter: Brock Slabach, M.P.H., FACHE, Senior Vice President, National Rural Health Association, Leawood, KS

1:15 p.m.–2:15 p.m.

The Joint Commission Update 2018: Focus on Small and Rural Hospitals

Planned in cooperation with the ASHP Section of Inpatient Care Practitioners Advisory Group on Small and Rural Hospitals

Activity #: 0204-0000-18-205-L03-P

Activity #: 0204-0000-18-205-L03-T

1.00 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Identify the most problematic medication standards for small and rural hospitals.
- Given a scenario, suggest strategies to address compliance with the top scored standards.
- Evaluate expected 2019 changes to the medication standards.

Program Chair, Moderator: Debra L. Cowan, Pharm.D., B.S.Pharm., FASHP, Pharmacy Director, Angel Medical Center, Whittier, NC

Presenter: Jeannell Mansur, Pharm.D., FASHP, Principal Consultant, Medication Management and Safety, Joint Commission Resources/Joint Commission International, Oak Brook, IL

2:30 p.m.–3:30 p.m.

Getting Your Antimicrobial Stewardship Program Off the Ground in the Small and Rural Setting

Planned in cooperation with the ASHP Section of Inpatient Care Practitioners Advisory Group on Small and Rural Hospitals

Activity #: 0204-0000-18-206-L01-P

1.00 Contact Hours | Knowledge-based

Educational Level: Intermediate

Learning Objectives:

- List the regulatory requirements that pertain to critical access hospitals in regard to antimicrobial stewardship.
- Identify key stakeholders necessary to implement an antimicrobial stewardship team at a rural facility.
- Discuss the antimicrobial stewardship gaps that may occur in the rural realm.
- Describe successful strategies used to educate staff and patients on antimicrobial stewardship.

Program Chair, Moderator: Codee M. Peterson, Pharm.D., Pharmacist, Aspirus Medford Hospital and Clinics, Medford, WI

Presenter: Jonathan C. Cho, Pharm.D., M.B.A., BCPS, Clinical Assistant Professor, The University of Texas at Tyler, Tyler, TX

3:30 p.m.–4:30 p.m.

In Your Spare Time: Addressing Medication Safety Practices Without a Dedicated Medication Safety Practitioner

Planned in cooperation with the ASHP Section of Inpatient Care Practitioners Advisory Group on Small and Rural Hospitals

Activity #: 0204-0000-18-207-L05-P

Activity #: 0204-0000-18-207-L05-T

1.00 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Determine areas of high priority from a list of medication safety program responsibilities.
- Evaluate implementation rates of the Institute for Safe Medication Practices (ISMP) Targeted Medication Safety Best Practices for Hospitals in small and rural hospitals.
- Given a medication safety issue, apply effective implementation strategies for the small and rural hospital setting.

Program Chair, Presenter, Moderator: Christina Michalek, B.S., R.Ph., FASHP, Medication Safety Specialist, Institute for Safe Medication Practices, Horsham, PA

Presenter: David T. Caron Jr., Pharm.D., Pharmacy Director, Martha's Vineyard Hospital, Vineyard Haven, MA



Pharmacy Residency & Technician Training Activities

Pharmacy Technician Training Program Directors and Instructors

Sunday, December 2

1:00 p.m.–2:00 p.m.

New and Prospective Pharmacy Technician Training Program Directors and Instructors Meeting

This session is a must for those thinking about starting a new pharmacy technician training program or for anyone who has recently submitted an application and has not yet had an accreditation site visit. Common questions about the accreditation and survey processes will be discussed. Come and learn the essentials for getting your pharmacy technician training program off to a good start!

2:00 p.m.–3:00 p.m.

Pharmacy Technician Training: New ASHP/ACPE Pharmacy Technician Education and Training Accreditation Standards For 2019

New ASHP/ACPE accreditation standards are being implemented as of January 1, 2019. This is a must-attend meeting for all parties interested in developing a program or who currently have an ASHP/ACPE-accredited pharmacy technician education and training program. You'll learn about the innovative modifications and changes to the standards, which will prepare pharmacy technicians in entry-level and advanced roles for today and the future. Representatives from ASHP and ACPE will present the new standard and will answer all questions regarding development of the standard, implementation of the standards, and more. This is an interactive session.

Residency Program Directors and Preceptors

Sunday, December 2

12:00 p.m.–1:00 p.m.

PhORCAS: How Programs Can Optimize the WebAdMIT Portal Within PhORCAS

WebAdMIT, the selection portal for PhORCAS is an amazing tool integrated into the system to make the process of sorting out resident information by residency program directors and preceptors much more efficient and less labor intensive than in the past! Come learn how WebAdMIT can help your program improve the efficiency of the residency selection process for the current application season.

1:00 p.m.–2:00 p.m.

Getting Started and Applying for Accreditation—Finding the Pathway and Taking the Right Steps

This session is a must for those who are thinking about starting a new residency program. Topics for discussion will include the application process including the difference between “pre-candidate” and “candidate” designations, core program requirements including residency program director and preceptor qualifications, timeline from application to accreditation, information about the accreditation site visit, and more. Come and learn the essentials for getting your program off to a good start!

2:00 p.m.–3:00 p.m.

Using PharmAcademic to Support Resident Learning

PharmAcademic is a web-based program developed by the McCreadie Group to assist programs with organizing and maintaining certain aspects of residency training. The goal of this session is to help residency program directors, preceptors, and residents understand the structure, use, and features of PharmAcademic to support residency training. Various features of PharmAcademic will be discussed and demonstrated, which may assist programs in the design, implementation, and optimization PharmAcademic.

3:00 p.m.–5:00 p.m.

Residency Program Directors and Preceptors Town Hall: Updates from the Commission on Credentialing

Residency Program Directors and Preceptors Town Hall, led by Janet Silvester, Vice President, Accreditation Services Office and Melissa Heigham, Chair of the Commission on Credentialing (COC), will provide attendees with the latest updates related to residency accreditation from ASHP and the COC. The forum also provides attendees the opportunity to give input on current issues with residency accreditation and also suggestions for future changes. This is a forum not to be missed! All current and future residency programs, preceptors, and residents are encouraged to attend.

Monday, December 3

6:30 a.m.–9:00 a.m.

Veterans Affairs Residency Open Forum

This open forum will provide an opportunity for residency program directors and preceptors to discuss issues related to residency training in the VA System. Representatives from Veterans Affairs, ASHP's Commission on Credentialing, and ASHP Accreditation Services Division will be available for the discussion. Come join your colleagues for an opportunity to network, share best practices, and have your questions answered.

1:00 p.m. - 4:00 p.m.

Residency Showcase™

Attention 2019 Graduates!

The Residency Showcase™ is the perfect venue for you to begin your residency journey. Each showcase session includes a different group of programs so be sure to review the schedule carefully to plan your visit. Showcase listings will be available in mid-November on the 2018 Mid-year meeting website as well as at the meeting. Dress for success—business attire is a must. For more information, visit the meeting website.

The showcase can be crowded. While the Residency Showcase is open to all students, we ask those who are not graduating in 2019 to schedule their visits during the last hour of the showcase to allow students who are actively pursuing a residency position for the 2019–2020 residency year time to meet with program representatives.

4:30 p.m.–5:30 p.m.

Community Pharmacy Residency Open Forum

This open forum will provide an opportunity for residency program directors and preceptors to discuss issues related to community-based pharmacy residency training with representatives from ASHP's Commission on Credentialing, ASHP Accreditation Services Division, and APhA. Come join your colleagues for an opportunity to network, share best practices, and have your questions answered.

4:30 p.m.–5:30 p.m.

Regional Residency Conference Planners Meeting

Come join your fellow residency conference planners from around the country for this informal get together to share best practices and develop solutions to common challenges in conference planning. Staff from ASHP's Accreditation Services Office will also be on hand to answer your questions.

Tuesday, December 4

8:00 a.m.–11:00 a.m.

Residency Showcase™

10:00 a.m.–11:00 a.m.

Ask the Pharmacy Residency Accreditation Surveyors Roundtable Discussion

ASHP Accreditation Services Office staff lead surveyors will be available to answer your questions about starting a residency training program, getting ready for an accreditation survey visit, and more. Join us for a great session where you can speak one-on-one with lead surveyors to get the information that you need. There are two sessions (10:00 a.m. to 11:00 a.m. and 2:00 p.m. to 3:00 p.m.) to accommodate the busy schedules of those exhibiting at the Residency Showcase.

1:00 p.m.–4:00 p.m.

Residency Showcase™

2:00 p.m.–3:00 p.m.

Ask the Pharmacy Residency Accreditation Surveyors Roundtable Discussion

ASHP Accreditation Services Office staff lead surveyors will be available to answer your questions about starting a residency training program, getting ready for an accreditation survey visit, and more. Join us for a great session where you can speak one-on-one with lead surveyors to get the information that you need. There are two sessions (10:00 a.m. to 11:00 a.m. and 2:00 p.m. to 3:00 p.m.) to accommodate the busy schedules of those exhibiting at the Residency Showcase.

4:30 p.m.–5:30 p.m.

Managed Care Pharmacy Residency Open Forum

This open forum will provide an opportunity for pharmacy residency program directors and preceptors to discuss issues related to managed care pharmacy residency with representatives from ASHP's Commission on Credentialing, ASHP Accreditation Services Division, and AMCP. A facilitated discussion regarding the implementation of the updated managed care standard and competency areas, goals, and objectives will also be provided. Come join your colleagues for an opportunity to network, share best practices, and have your questions answered.

Networking Sessions

Sunday, December 2

10:00 a.m.–11:30 a.m.

Networking and Poster Session: Pediatrics/Neonatal/OB
Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Jamie Miller, Pharm.D., BCPPS, BCPS, Associate Professor, University of Oklahoma College of Pharmacy, Oklahoma City, OK

Discussion Topics:

- Policies for medical marijuana use in children
- Pediatric preceptor quandaries
- Policies for chronically hospitalized patients
- Selection of fluid type for boluses in pediatric patients with septic shock
- Management of pulmonary hypertension crises in the NICU/PICU

11:15 a.m.–12:15 p.m.

Networking Session: Supply Chain Management and Market Disrupters

Hosted by the Section of Pharmacy Practice Managers

Facilitator: Jordan Dow, Pharm.D., M.S., FACHE, Regional Director of Pharmacy, Mayo Clinic Health System, Eau Claire, WI

Discussion Topics:

- Supply chain challenges
- Supply chain disrupters and new entrants to market
- Optimization of supply chain partnerships

11:15 a.m.–12:15 p.m.

Networking Session: Investigational Drug Services

Hosted by the Section of Inpatient Care Practitioners

Facilitator: Darlette G. Luke, B.S.Pharm., Manager IDS Pharmacy, University of Minnesota Medical Center, Fairview Health Services, Minneapolis, MN

Discussion Topics:

- Communication on IDS medications prepared outside the IDS pharmacy
- New NIH Guideline on completing accountability records
- Residencies update

11:15 a.m.–12:15 p.m.

Networking Session: Residency Preceptors

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Kisha Gant, Pharm.D., B.S., BCACP, BCGP, BCPS, Clinical Coordinator, Pharmacy, Slidell Memorial Hospital, Slidell, LA

Discussion Topics:

- Preceptor development and mentorship
- Coaching underperforming residents
- Incorporating residents into practice
- Resident assistance to incorporate the ACPE Interprofessional Education (IPE) requirement into experiential experiences

11:45 a.m.–1:15 p.m.

Networking and Poster Session: Emergency Care

Hosted by the Section of Clinical Specialists and Scientists

Facilitators: Jennifer Koehl, Pharm.D., BCPS, Emergency Medicine Pharmacist, Massachusetts General Hospital, Boston, MA; **Marianne Pop, Pharm.D., BCPS**, Clinical Assistant Professor, Emergency Medicine Pharmacist, University of Illinois College of Pharmacy Rockford, Gilberts, IL

Discussion Topics:

- Optimizing patient care while boarding in the ED
- Precepting, coaching and time management
- Programs implemented after the opioid crisis
- Growing your presence: strategies for obtaining more FTE's
- Management of ID patients when faced with gaps or lack of updates in guidelines

12:30 p.m.–1:30 p.m.

Networking Session: Specialty Pharmacy Growth Opportunities

Hosted by the Section of Specialty Pharmacy Practitioners

Facilitator: TBD

Discussion Topics:

- Improving patient access and stakeholder relationships
- Accreditation lessons learned and challenges
- Update on activities of the Section

12:30 p.m.–1:30 p.m.**Networking Session: Advancing Pharmacy Practice with Technicians***Hosted by the Section of Inpatient Care Practitioners***Facilitator: Doug Meyer, B.S.Pharm., M.B.A., BCNSP**, Director of Pharmacy, Legacy Meridian Park Hospital, Portland, OR**Discussion Topics:**

- Innovations in technician training
- Impact of requiring PTCB Certification
- Advanced technician roles

12:30 p.m.–1:30 p.m.**Networking Session: Clinician Well-Being and Resilience****Facilitator: Matthew J. Kelm, Pharm.D., M.H.A.**, Associate Chief Pharmacy Officer, Inpatient Pharmacy Services, Duke University Hospital, Department of Pharmacy, Durham, NC**Discussion Topics:**

- Addressing clinician burnout—a patient care and healthcare workforce problem
- National Academy of Medicine Clinician Well-Being and Resilience Action Collaborative
- Strategies to impact well-being and resilience in pharmacists, pharmacy residents, student pharmacists and pharmacy technicians

12:30 p.m.–1:30 p.m.**Networking Session: Clinical Leadership***Hosted by the Section of Clinical Specialists and Scientists***Facilitator: T. Vivian Liao, Pharm.D., BCPS**, Clinical Assistant Professor, Mercer University, Atlanta, GA**Discussion Topics:**

- Leadership development plan
- Strategies to balance personal and professional satisfaction
- Establishing best practices in clinical leadership
- Development of a leadership pipeline
- Value of diversity training as a clinical leader

1:30 p.m.–3:00 p.m.**Networking and Poster Session: Ambulatory Care Clinical Practice Advancement***Hosted by the Section of Ambulatory Care Practitioners***Facilitator: Jaclyn “Paige” Carson, Pharm.D., BCPS, CDE, CPP**, Clinical Leader and Residency Program Director, Ambulatory Care Management, Atrium Health, Fort Mill, SC**Discussion Topics:**

- ACO incorporation and Ambulatory Care Pharmacy
- Quality Metrics for Ambulatory Care Pharmacy
- Provider status for Pharmacists across the United States—Pros/Cons of Changing the Practice Acts

2:30 p.m.–3:30 p.m.**Networking Session: Infectious Diseases***Hosted by the Section of Clinical Specialists and Scientists***Facilitator: Wesley Kufel, Pharm.D., AAHIVP, BCPS**, Binghamton University School of Pharmacy and Pharmaceutical Sciences, Binghamton, NY**Discussion Topics:**

- Utility of antimicrobial stewardship tools to assist in de-escalation of broad-spectrum antibiotics
- Role and comparison of recently approved antibiotics
- Management of penicillin allergies within health systems
- Facilitators and barriers of outpatient antimicrobial stewardship
- Role of long-acting lipoglycopeptides to prevent hospital admission or facilitate discharge

2:30 p.m.–3:30 p.m.**Networking Session: Hematology/Oncology***Hosted by the Section of Clinical Specialists and Scientists***Facilitator: Kate Jeffers, Pharm.D., M.H.A., BCOP**, Ambulatory Oncology Clinical Specialist, UCHHealth—Memorial Hospital, Colorado Spring, CO**Discussion Topics:**

- Pharmacist role in Quality Initiatives and Certifications
- CAR-T Therapy
- USP800
- Subcutaneous administration of monoclonal antibodies
- Biosimilars
- Nausea and vomiting updates

3:30 p.m.–5:00 p.m.**Networking Session and Poster Session: Critical Care***Hosted by the Section of Clinical Specialists and Scientists***Facilitator: Luigi Brunetti, Pharm.D., M.P.H., BCGP, BCPS**, Associate Professor, Rutgers, The State University of New Jersey, Piscataway, NJ**Discussion Topics:**

- Urgent reversal of target specific oral anticoagulants: current state of the evidence
- Management of multidrug resistant gram negative infections in the critical care setting
- PAD-IS: current knowledge and updated guidance
- Role of angiotensin II in the management of septic shock

Monday, December 3**11:00 a.m.–12:00 p.m.****Networking Session: Pharmacy Technicians***Hosted by the Pharmacy Technician Forum*

Facilitators: **Barbara Hintzen, B.A., CPhT**, Pharmacy Program Manager, North Memorial Health Hospital, Robbinsdale, MN; **Glen J. Gard, CPhT, CSPT**, Pharmacy Compliance Manager, Option Care, Chicago, IL

Discussion Topics:

- Professional and career ladder development
- Retention and job satisfaction
- New strategic initiatives and practice models maximizing pharmacy technicians
- Update on PTCB

11:15 a.m.–12:15 p.m.**Networking Session: Precepting Students***Hosted by the Section of Inpatient Care Practitioners*

Facilitator: **Elizabeth Cohen, Pharm.D., BCPS**, Clinical Pharmacist Specialist, Solid Organ Transplant, Yale New Haven Hospital, New Haven, CT

Discussion Topics:

- Implementing layered learning with IPPEs and APPEs
- Managing unmotivated learners
- Determining realistic daily tasks for learners on rotations
- Setting expectations for written projects and oral presentations

11:15 a.m.–12:15 p.m.**Networking Session: Home Infusion***Hosted by the Section of Ambulatory Care Practitioners*

Facilitator: **Don Filibeck, Pharm.D., M.B.A., FASHP**, VP Pharmacy Operations, Axelacare Health Solutions, Lenexa, KS

Discussion Topics:

- New issues and fresh perspectives in the operational, regulatory, and clinical concerns of home infusion essentials

11:15 a.m.–12:15 p.m.**Networking Session: Shared Service in Multi-Hospital Organizations***Hosted by the Section of Pharmacy Practice Managers*

Facilitator: **Jillian Foster, Pharm.D., M.B.A., FACHE**, System Pharmacy Administrator, Baptist Memorial Health Care, Memphis, TN

Discussion Topics:

- Regulatory challenges to optimizing shared services
- Processes for selecting which shared services to develop/invest in
- Pros/cons for individual sites and how to best manage

11:15 a.m.–12:15 p.m.**Networking Session: Women in Pharmacy Leadership****Facilitator:** **Sara J. White, M.S., FASHP**, Mountain View, CA**Discussion Topics:**

- Connecting with experienced successful women leaders and benefiting from their experiences and stories
- Working successfully in today's healthcare environment
- Working successfully with men and women, and support and sponsorship of other women
- Integrating personal and career life

11:15 a.m.–12:15 p.m.**Networking Session: Innovating and Emerging Practices***Hosted by the Section of Clinical Specialists and Scientists*

Facilitator: **Alexandra Shillingburg, Pharm.D., BCOP**, PGY2 Oncology Resident, WVU Healthcare, Morgantown, WV

Discussion Topics:

- Care of the “e-patient”: wearable health monitors, implanted medical devices, telehealth devices
- Impact of rapid diagnostic tests on infection management practices and stewardship
- Future of hemophilia management
- Implementation of biosimilars into clinical practice
- Operational challenges of CAR-T therapies

11:15 a.m.–12:15 p.m.**Networking Session: Psychopharmacy/Neurology***Hosted by the Section of Clinical Specialists and Scientists*

Facilitator: **Anthony Shaun Rowe, Pharm.D.**, Assistant Professor, University of Tennessee Health Science Center, Knoxville, TN

Discussion Topics:

- Medicinal marijuana and cannabinoid oil in patients with epilepsy
- Care of the patient with ischemic stroke
- 3,4-Methylenedioxymethamphetamine (MDMA) as a psychiatric treatment
- Prevention and treatment of delirium in the hospitalized patient

11:15 a.m.–12:15 p.m.**Networking Session: Clinical Decision Support and Analytics***Hosted by the Section of Pharmacy Informatics and Technology***Facilitator: Nancy E. Smestad, M.S., R.Ph.**, Pharmacist Consultant, VHA Office of Health Information, IT Patient Safety, Fargo, ND**Discussion Topics:**

- Artificial Intelligence in Healthcare: Machine Learning, use, and reliability
- Predictive Analytics: Use and success in your organization
- Documenting pharmacy interventions employing pharmacy/clinical informatics methodologies pursuant to section 340B

12:30 p.m.–1:30 p.m.**Networking Session: Opioid Stewardship and Pain Management***Hosted by the Sections of Ambulatory Care Practitioners and Pharmacy Practice Managers***Facilitators: Ketayoun (Kathy) Davari, Pharm.D.**, Associate Chief of Pharmacy for Clinical Services, Atlanta Veterans Affairs Medical Center, Chamblee, GA; **Ernest Dole, Pharm.D., Ph.C.**, BCPS, FASHP, Clinical Pharmacist, University New Mexico Hospitals; Chronic Pain Consultation & Treatment Center, Albuquerque, NM**Discussion Topics:**

- Tactics and experience in meeting new Joint Commission pain management standards
- Establishing an opioid stewardship program
- Experience with programs in increase Naloxone availability and prescribing

12:30 p.m.–1:30 p.m.**Networking Session: Expansion of Ambulatory Care and Leveraging Technology***Hosted by the Section of Pharmacy Practice Managers***Facilitator: Chelsea Magee, Pharm.D.**, BCPS, Pharmacy Operations Manager; Penobscot Community Health Care, Bangor, ME**Discussion Topics:**

- Innovative approaches to ambulatory pharmacy practice
- Metrics and quality measures used in ambulatory pharmacy practice
- Impacts of emerging technology on workflow
- Innovative ways to leverage technological opportunities to expand and improve ambulatory care practice

12:30 p.m.–1:30 p.m.**Networking Session: Geriatrics***Hosted by the Section of Clinical Specialists and Scientists***Facilitator: John Roefaro, Pharm.D., FASHP**, Clinical Pharmacy Specialist-Geriatrics, PGY2 Geriatrics-Pharmacy Residency Program Director, VA Boston Healthcare System, Boston, MA**Discussion Topics:**

- Antipsychotic use in the elderly
- Overactive bladder vs. urinary incontinence
- Insomnia in the elderly

- Marketing PGY2 Geriatric residencies

12:30 p.m.–1:30 p.m.**Networking Session: Anticoagulation***Hosted by the Section of Clinical Specialists and Scientists***Facilitator: James Lee, Pharm.D., BCACP**, Clinical Assistant Professor, University of Illinois Hospital & Health Sciences, Chicago, IL**Discussion Topics:**

- DOAC place in therapy—cancer, obese/underweight, reversal, failure, education barriers
- Trends in pharmacist-managed anticoagulation
- Warfarin and pharmacogenomics
- Anticoagulant monitoring

12:30 p.m.–1:30 p.m.**Networking Session: Nutrition Support***Hosted by the Section of Clinical Specialists and Scientists***Facilitator: Andrew Mays, Pharm.D., CNSC**, Clinical Pharmacy Specialist—Nutrition Support, University of Mississippi Medical Center, Jackson, MS**Discussion Topics:**

- Medication delivery with enteral nutrition (Drug interactions and the ENFit system)
- Integrating new ASPEN recommendations into your clinical practice
- Multi-Chamber Bag Parenteral Nutrition (MCB-PN) utilization and challenges

12:30 p.m.–1:30 p.m.**Networking Session: Clinical Applications***Hosted by the Section of Pharmacy Informatics and Technology***Facilitator: Ray Chan, Pharm.D.**, Pharmacy IS Specialist, Sentara Healthcare, Virginia Beach, VA**Discussion Topics:**

- Evaluation and incorporation of mobile apps and data into the EHR and interoperability solutions
- Access to Big Data and uses within pharmacy workflows
- Pharmacist access to the comprehensive health record across the continuum of care

Tuesday, December 4**11:15 a.m.–12:15 p.m.****Networking Session: Small and Rural Hospitals***Hosted by the Section of Inpatient Care Practitioners***Facilitator: Codee Peterson, Pharm.D.,** Pharmacist, Aspirus Medford Hospital and Clinics, Medford, WI**Discussion Topics:**

- Telemedicine/telepharmacy models and applications
- Overcoming barriers in meeting medication safety best practices
- Strategies facing drug shortages
- Taking steps to meet USP 800 requirements

11:15 a.m.–12:15 p.m.**Networking Session: Medication Management Services in the Ambulatory Care Practice Setting***Hosted by the Section of Ambulatory Care Practitioners***Facilitator: Brody Maach, Pharm.D., BCACP, CTTS,** Assistant Professor of Practice, North Dakota State University; Clinical Pharmacy Specialist, Family HealthCare, Fargo, ND**Discussion Topics:**

- Medication management: Examples of unique services
- Involvement of ancillary personnel in medication management services
- Billing for cognitive services in the ambulatory setting

11:15 a.m.–12:15 p.m.**Networking Session: Leadership Challenges in Managing Drug Shortages***Hosted by the Section of Pharmacy Practice Managers***Facilitator: Jacalyn Rogers, Pharm.D., M.S., CHM, BCPS,** Interim Director of Pharmacy, Rainbow Babies and Children's Hospital, Chardon, OH**Discussion Topics:**

- Current drug shortages
- Strategies to mitigate drug shortages
- Proactive methods to prepare for future shortages

11:15 a.m.–12:15 p.m.**Networking Session: Immunology/Transplant***Hosted by the Section of Clinical Specialists and Scientists***Facilitator: Amanda Condon, Pharm.D., R.Ph., PGY1** Pharmacy Resident, University of New Mexico Hospitals, Albuquerque, NM**Discussion Topics:**

- New drugs for transplant
- Expanding transplant with HCV+ Organ
- Update on Board Certification in transplant
- DOAC reversal

11:15 a.m.–12:15 p.m.**Networking Session: Primary Care/Pharmacotherapy***Hosted by the Section of Clinical Specialists and Scientists***Facilitator: Nathan Pinner, Pharm.D., BCPS,** Associate Clinical Professor, Auburn University Harrison School of Pharmacy, Mountain Brook, AL**Discussion Topics:**

- DOACs in ESRD on dialysis
- HTN management
- Fluoroquinolone use following new BBWs
- Opioid use disorder management

11:15 a.m.–12:15 p.m.**Networking Session: Pharmacoeconomics/Drug Development***Hosted by the Section of Clinical Specialists and Scientists***Facilitator: Megan Holsopple, Pharm.D., BCPS,** Clinical Coordinator and PGY2 DI Program Director, Froedtert & the Medical College of Wisconsin, Milwaukee, WI**Discussion Topics:**

- Drug shortage potpourri
- Formulary management across the care continuum
- Value-based formulary decision making and models
- Back to basics: performance metrics and cost-containment strategies

12:30 p.m.–1:30 p.m.**Networking Session: Ambulatory Care Compensation and Practice Sustainability***Hosted by the Section of Ambulatory Care Practitioners***Facilitators: Jeff Olson, Pharm.D., M.B.A., BCACP, BCPS,** Director of Ambulatory Care Pharmacy Services, System, Intermountain Healthcare, Taylorsville, UT; **Ashley Parrott, Pharm.D., M.B.A., BCACP, BCPS,** Ambulatory Clinical Pharmacy Supervisor, Parkview Health, Fort Wayne, IN**Discussion Topics:**

- Credentialing and privileging for ambulatory care practitioners
- Expanding our reach: Impact of telehealth on ambulatory pharmacy practice
- Defining success: Measuring the value of ambulatory pharmacy services
- Building blocks for establishing new ambulatory pharmacy services

12:30 p.m.–1:30 p.m.

Networking Session: Medication Safety

Hosted by the Section of Inpatient Care Practitioners

Facilitator: Sarah Stephens, Pharm.D., BCPS, CPPS, Medication Safety Coordinator, Kaweah Delta Health Care District, Visalia, CA

Discussion Topics:

- Clinical decision support governance structures
- Independent double checks
- Justifying a dedicated medication safety position

12:30 p.m.–1:30 p.m.

Networking Session: Cardiology

Hosted by the Section of Clinical Specialists and Scientists

Facilitator: Mary H. Parker, Pharm.D., BCPS-AQ Cardiology, FASHP, FCCP, Acting Associate Chief of Staff for Ambulatory Care, Durham VA Medical Center, Durham, NC

Discussion Topics:

- Anticoagulation and Reversal Agents in Cardiology patients
- Tips and successes in transitions of care from inpatient to outpatient settings
- Board Certified Critical Care Pharmacist (BCCP) exam: who's taking, who's waiting

12:30 p.m.–1:30 p.m.

Networking Session: Operations and Automation

Hosted by the Section of Pharmacy Informatics and Technology

Facilitator: David Agüero, Pharm.D., Manager, Pharmacy Operations and Technology, St. Jude Children's Research Hospital, Memphis, TN

Discussion Topics:

- RFID versus BCMA: Pros and Cons
- Challenges in RFID implementation (trays, kits, carts, etc.)
- Auto-verification of medication orders within the EHR

Wednesday, December 5

11:15 a.m.–12:15 p.m.

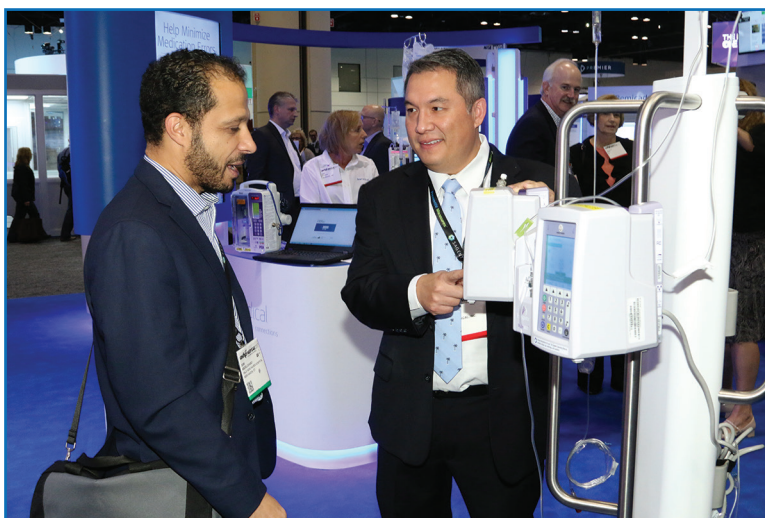
Networking Session: Informatics Professional Development

Hosted by the Section of Pharmacy Informatics and Technology

Facilitator: Ashley Mains Espinosa, Pharm.D., M.S., CPHIMS, System Pharmacy Manager, SCL Health, Denver, CO

Discussion Topics:

- Focus areas and mentoring for informatics students and PGY1 residents
- Trends and demand in pharmacy informatics workforce



Educational Sessions

NOTE: All educational sessions listed here are available for continuing pharmacy education unless otherwise noted. This program is preliminary and subject to change. For the most current information, visit the meeting website.

Educational Session Materials Available November 15!

Materials will be available on the web-based itinerary planner to download or print for all registered attendees on November 15. Print the materials for the sessions you plan to attend before the meeting and bring them with you. Handouts will not be provided in the session rooms. Visit www.eventscribe.com/2018/ASHP-Meeting for more information.

NOTE: Printers will not be provided onsite.

Saturday, December 1

8:00 a.m. – 5:00 p.m.

(Pre-Meeting Workshop)

Residency Program Design and Conduct (RPDC)

Workshop Fee: \$390 (lunch and break included)

- **RPDC A: PGY1 New Programs** (limit: 80 participants)
- **RPDC B: PGY1 Existing Programs** (limit: 100 participants)
- **RPDC C: PGY2 New and Existing Programs** (limit: 80 participants)

For more information, see page 1576.

Sunday, December 2

8:00 a.m.–9:00 a.m.

Implementing a Novel Drug Therapy Committee to Evaluate Extremely High-Cost Therapies at an Academic Medical Center

Activity #: 0204-0000-18-219-L04-P

1.00 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- List key components of a formulary evaluation for a novel drug therapy that may not be included in a standard formulary addition evaluation.
- Identify pertinent stakeholders, in addition to clinical experts, to include in a novel drug therapy evaluation.
- Describe strategies used by the novel drug therapy committee to evaluate nusinersen, a new novel, complex, and extremely high-cost therapy.

Program Chair, Presenter, Moderator: Matthew J. Allsbrook, Pharm.D., M.S., University of Virginia Health System, Charlottesville, VA

Presenter: Danielle A. Griggs, Pharm.D., M.S., M.B.A., BCPS, Pharmacy Manager, University of Virginia Medical Center, Charlottesville, VA

8:00 a.m. – 4:45 p.m.

340B University™

For more information, see page 1576.

8:00 a.m. – 5:00 p.m.

(Pre-Meeting Workshop)

Basic Statistics: A Nonthreatening Approach to the Use of Statistics in Clinical Trials 2018

For more information, see page 1576.

8:30 a.m. – 10:00 a.m.

Solution-Driven Strategies: Promoting Clinician Well-Being

Planned in cooperation with the ASHP New Practitioners Forum

Activity #: 0204-0000-18-211-L04-P

1.50 Contact Hours | Application-based

Educational Level: General Interest

Track: Career Development

NOTE: This session is intended for residents and new practitioners.

Learning Objectives:

- Identify the internal and external drivers that impact clinician well-being in the workplace.
- Apply principles of motivation through workplace appreciation strategies.
- Develop an individual and organizational plan to implement select strategies in the respective workplace settings.

Program Chair, Presenter, Moderator: Seena L. Haines, Pharm.D., BCACP, BD-ADM, CDE, FAPhA, FASHP, FCCP, FNAP, Professor and Chair Department of Pharmacy Practice, University of Mississippi, Madison, MS

Presenter: Jenny Van Amburgh, Pharm.D., B.S., R.Ph., BCACP, CDE, FAPhA, Clinical Professor, Assistant Dean for Academic Affairs, Northeastern University, Boston, MA

Continued on page 1598

Continued from page 1596

8:30 a.m.–10:30 a.m.**Innovations in Drug Information Practice and Research 2018**

Activity #: 0204-0000-18-200-L01-P

2.00 Contact Hours | Application-based

Educational Level: Intermediate**Learning Objectives:**

- Describe new services and methods used by drug information specialists and centers.
- Design a system to apply such new services and methods in their situations.
- Evaluate the importance of the new services and methods in their practice environments.

Program Chair, Moderator: Patrick M. Malone, Pharm.D., FASHP, Associate Dean of Internal Affairs, University of Findlay, Findlay, OH

Presenter: Ashish Advani, Pharm.D., Founder and President, InpharmD, Atlanta, GA

Presenter: Jamie N. Brown, Pharm.D., BCACP, BCPS, Drug Information and Investigational Drug Service Manager, Durham VA Health Care System, Durham, NC

Presenter: Maisha K. Freeman, Professor of Pharmacy Practice and Director, Center for Healthcare Innovation and Patient Outcomes Research (CHIPOR), Samford University McWhorter School of Pharmacy, Hoover, AL

Presenter: Jason W. Guy, Pharm.D., Assistant Professor of Pharmacy Practice, University of Findlay, Findlay, OH

Presenter: Sherin Jacob, Pharm.D., BCPS, PGY2 Drug Information Resident, Durham VA Health Care System, New Hyde Park, NY

Presenter: Daniel Kapp, Pharm.D., BCPS, Clinical Pharmacist, Drug Policy Program, UW Health, Madison, WI

9:00 a.m. – 10:00 a.m.**Managing Marijuana: Navigating Patient Safety Issues in the Age of Legalized Cannabis**

Planned in cooperation with the ASHP New Practitioners Forum

Activity #: 0204-0000-18-215-L01-P

1.00 Contact Hours | Application-based

Educational Level: Intermediate**Track:** Clinical Development

NOTE: This session is intended for residents and new practitioners.

Learning Objectives:

- Identify challenges that the legal disparities of marijuana present to healthcare providers.
- Differentiate various cannabinoids and their effects.
- Given a patient case, identify drug-drug and drug-disease interactions.
- Develop a counseling strategy that addresses clinical concerns while managing patient and/or family choices.

Program Chair, Presenter, Moderator: Michael Barberio, Pharm.D., Emergency Medicine Pharmacist, Children's Hospital Colorado, Aurora, CO

Presenter: Jennifer Jorgensen, Pharm.D., Pediatric Clinical Pharmacist General Medicine, Children's Hospital Colorado, Denver, CO

9:00 a.m.–10:00 a.m.**FDA Update: Quality and Quantity—What Can We Control?**

Activity #: 0204-0000-18-220-L03-P

Activity #: 0204-0000-18-220-L03-T

1.00 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Define the term “pharmaceutical quality”.
- Explain the impact of pharmaceutical quality on drug safety and effectiveness.
- Describe how the FDA addresses pharmaceutical quality over the lifecycle of a drug product.

Program Chair, Moderator: Jillanne Schulte Wall, J.D., Director, Federal Regulatory Affairs, ASHP, Bethesda, MD

Presenter: Michael Kopcha, Ph.D., R.Ph., Director, Office of Pharmaceutical Quality, Center for Drug Evaluation and Research, U.S. Food and Drug Administration, Silver Spring, MD

9:15 a.m.–9:45 a.m.**(Management Case Study) Increasing Advanced Pharmacy Practice Experience (APPE)**

Activity #: 0204-000-18-352-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- List examples of steps taken as part of a strategic plan to increase APPE rotation months within a health system.
- Describe potential challenges to strategic plans of an APPE rotation month expansion.
- Identify potential solutions to challenges of significantly increasing APPE rotation months.

Presenter: Brian S. Hoffmaster, Pharm.D., BCPS, Student Education Pharmacist, Cleveland Clinic, Cleveland, OH

10:00 a.m.–10:30 a.m.

(Management Case Study) Establishing a Comprehensive Drug Diversion Monitoring Program Supported by Advanced Technology

Activity #: 0204-000-18-353-L04-P

Activity #: 0204-000-18-353-L04-T

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Identify the complexities of drug diversion monitoring.
- Describe the difference between true and false positive results and true and false negative results in drug diversion monitoring.
- Explain how variations in medication administration workflow can impact the drug diversion monitoring results.

Presenter: Winson Soo-Hoo, M.B.A., R.Ph., Senior Director, Pharmacy Services, The Children's Hospital of Philadelphia, Philadelphia, PA

Co-Author: Joseph Frey, Pharm.D., R.Ph., PRS, Compliance Supervisor, Department of Pharmacy, The Children's Hospital of Philadelphia, Philadelphia, PA

10:15 a.m. – 11:30 a.m.

Five Stages to Discontinuing Opioids: Having Conversations to De-Escalate, Discontinue, or Deprescribe Opioids for Chronic Pain

Planned in cooperation with the ASHP New Practitioners Forum

Activity #: 0204-0000-18-216-L01-P

1.25 Contact Hours | Application-based

Educational Level: Intermediate

Track: Clinical Development

NOTE: This session is intended for residents and new practitioners.

Learning Objectives:

- Describe a complete workshop on difficult conversations related to chronic pain management.
- Given a scenario, apply best practice tools for pain management.
- Given a scenario, develop a novel, empathy-driven approach to pain discussions especially focused on stopping controlled substances.

Program Chair, Presenter, Moderator: Kevin W. Chamberlin, Pharm.D., FASCP, Associate Clinical Professor & Assistant Department Head, Pharmacy Practice & PGY1 Residency Program Director, UConn School of Pharmacy & UConn John Dempsey Hospital, Farmington, CT

Presenter: Rebecca Andrews, M.D., M.S., FACP, Associate Professor of Medicine; Associate Program Director and Director Ambulatory Education IM Residency Program, University of CT Medical School, Farmington, CT

10:15 a.m. – 11:45 a.m.

Are You Smart? Using Emotional Intelligence for Professional Advancement

Planned in cooperation with the ASHP New Practitioners Forum

Activity #: 0204-0000-18-212-L04-P

1.50 Contact Hours | Application-based

Educational Level: General Interest

Track: Career Development

NOTE: This session is intended for residents and new practitioners.

Learning Objectives:

- Define emotional intelligence (EI).
- Identify EI strategies for self-evaluation.
- Describe why EI is an essential component of professional success.
- Create a personal action plan for development or improvement of EI.

Program Chair, Moderator: Ruth Dapaah-Afriyie, B.Pharm. (Hons.), Pharm.D., BCACP, CDOE, CVDOE, Senior Clinical Pharmacist Specialist, Rhode Island Hospital-Lifespan Affiliate, Providence, RI

Presenter: Bill Bowman, B.S.Pharm., Ph.D., Associate Professor of Pharmaceutical Sciences, Midwestern University College of Pharmacy–Glendale, Glendale, AZ

Presenter: Erin Raney, Pharm.D., BC-ADM, BCPS, FCCP, Professor of Pharmacy Practice, Midwestern University College of Pharmacy–Glendale, Glendale, AZ

10:30 a.m.–12:00 p.m.

Cultivating Joy in Pharmacy Practice Through Leadership: A Primer for Pharmacy Leaders

Activity #: 0204-0000-18-208-L04-P

Activity #: 0204-0000-18-208-L04-T

1.50 Contact Hours | Knowledge-based

Educational Level: Intermediate

Learning Objectives:

- Explain why clinician burnout is a patient care and healthcare workforce problem.
- List barriers to joy in the pharmacy workplace that a pharmacy leader should address.
- Identify approaches for making a business case for improving joy in the pharmacy workplace.
- Describe opportunities to empower local leaders as champions to guide efforts to improve joy in the pharmacy workplace.

Program Chair: Anna Dopp, Pharm.D., Director, Clinical Guidelines & Quality Improvement, ASHP, Bethesda, MD

Moderator: Paul W. Bush, Pharm.D., M.B.A., BCPS, FASHP, Chief Pharmacy Officer and Health System Pharmacy Administration/MS Residency Program Director, Duke University Hospital, Durham, NC

Presenter: Charlee Alexander, B.A., Program Director, National Academy of Medicine, Washington, DC

Presenter: Bernadette Mazurek Melnyk, Ph.D., RN, CPNP/PMHNP, FAAN, FAANP, FNAP, Vice President for Health Promotion, University Chief Wellness Officer, and Professor and Dean, College of Nursing, The Ohio State University, Columbus, OH

10:45 a.m.–11:15 a.m.

(Management Case Study) Formulary Development for an Off-Site Freestanding Emergency Department (FSED)

Activity #: 0204-000-18-354-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Describe the freestanding emergency department model at OhioHealth.
- Review a comprehensive approach to formulary development.
- Explain lessons learned through this project that could be applied to other facilities.

Presenter: Kellie L.E. Musch, Pharm.D., M.S., Pharmacy Manager, Freestanding Emergency Departments, OhioHealth, Columbus, OH

Presenter: Valerie A. Budinger, Pharm.D., R.Ph., Pharmacist, Free-Standing Emergency Departments Network, OhioHealth, Columbus, OH

11:00 a.m.–12:30 p.m.

Practical Strategies for Overcoming the Hurdles of the Opioid Epidemic

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

Activity #: 0204-0000-18-201-L01-P

Activity #: 0204-0000-18-201-L01-T

1.50 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Discuss a health-system-wide strategy to combat the opioid epidemic in the community through alignment of the health system and providers.

- Recommend a compliance plan to support a health-system strategy while ensuring operational and regulatory compliance.
- Given a scenario, select the best strategy to prepare and train staff to identify impact of the opioid epidemic.

Program Chair, Moderator, Presenter: Kate M. Schaafsma, Pharm.D., M.S., M.B.A., BCPS, Pharmacy Manager, Froedtert Health, Milwaukee, WI

Presenter: John A. Armitstead, M.S., R.Ph., FASHP, System Director of Pharmacy, Lee Health, Fort Myers, FL

Presenter: Thomas E. Kirschling, Pharm.D., M.S., M.S.L., CHC, FASHP, Pharmacy Compliance Officer and Director of Inpatient Pharmacy, Maxor National Pharmacy Services, LLC, Amarillo, TX

11:30 a.m.–12:00 p.m.

(Management Case Study) Standardization of the Prior-Authorization Process for Outpatient Infusion Clinics

Activity #: 0204-000-18-355-L04-P

Activity #: 0204-000-18-355-L04-T

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Explain barriers to processing medical benefit prior authorizations.
- Discuss tools used to map processes.
- Discuss the creation of process improvement initiatives based on staff member feedback and workflow mapping exercises.

Presenter: Alexandra Lux, Pharm.D., Health-System Pharmacy Administration Resident, University of Utah Health, Salt Lake City, UT

Presenter: Kavish Choudhary, Pharm.D., M.S., Senior Director, Inpatient and Infusion Pharmacy Services, University of Utah Health, Salt Lake City, UT

12:00 p.m. – 4:30 p.m.**Programming for Small & Rural Hospital Practitioners****12:00 p.m. – 1:15 p.m.****Small and Rural Keynote: What's New in Rural Healthcare?***Planned in cooperation with the ASHP Section of Inpatient Care Practitioners Advisory Group on Small and Rural Hospitals*

Activity #: 0204-0000-18-204-L04-P

1.00 Contact Hours | Knowledge-based

Educational Level: General Interest

Don't miss the special welcomes and updates from ASHP and Section Advisory Group leaders. CE credit is not available for the welcome.

Learn about trends in small and rural healthcare and current factors that are driving change. Hear about innovative initiatives in providing care to patients who live in rural communities. New models of care and updates on where pharmacists can positively impact patient care will be discussed.

**Brock Slabach****Learning Objectives:**

- List current factors driving healthcare services provided in small and rural hospitals.
- Discuss trends and issues that impact pharmacy services and practice trends in small and rural hospitals.

Program Chair, Moderator: Erika Thomas, B.S.Pharm., M.B.A., Director, Section of Inpatient Care Practitioners, ASHP, Bethesda, MD; **Presenter:** Brock Slabach, M.P.H., FACHE, Senior Vice President, National Rural Health Association, Leawood, KS

1:15 p.m. – 2:15 p.m.**The Joint Commission Update 2018: Focus on Small and Rural Hospitals***Planned in cooperation with the ASHP Section of Inpatient Care Practitioners Advisory Group on Small and Rural Hospitals*

Activity #: 0204-0000-18-205-L03-P

Activity #: 0204-0000-18-205-L03-T

1.00 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Identify the most problematic medication standards for small and rural hospitals.
- Given a scenario, suggest strategies to address compliance with the top scored standards.
- Evaluate expected 2019 changes to the medication standards.

Program Chair, Moderator: Debra L. Cowan, Pharm.D., B.S.Pharm., FASHP, Pharmacy Director, Angel Medical Center, Whittier, NC; **Presenter:** Jeannell Mansur,

Pharm.D., FASHP, Principal Consultant, Medication Management and Safety, Joint Commission Resources/Joint Commission International, Oak Brook, IL

2:30 p.m. – 3:30 p.m.**Getting Your Antimicrobial Stewardship Program Off the Ground in the Small and Rural Setting***Planned in cooperation with the ASHP Section of Inpatient Care Practitioners Advisory Group on Small and Rural Hospitals*

Activity #: 0204-0000-18-206-L01-P

1.00 Contact Hours | Knowledge-based

Educational Level: Intermediate

Learning Objectives:

- List the regulatory requirements that pertain to critical access hospitals in regard to antimicrobial stewardship.
- Identify key stakeholders necessary to implement an antimicrobial stewardship team at a rural facility.
- Discuss the antimicrobial stewardship gaps that may occur in the rural realm.
- Describe successful strategies used to educate staff and patients on antimicrobial stewardship.

Program Chair, Moderator: Codee M. Peterson, Pharm.D., Pharmacist, Aspirus Medford Hospital and Clinics, Medford, WI; **Presenter:** Jonathan C. Cho, Pharm.D., M.B.A., BCPS, Clinical Assistant Professor, The University of Texas at Tyler, Tyler, TX

3:30 p.m. – 4:30 p.m.**In Your Spare Time: Addressing Medication Safety Practices Without a Dedicated Medication Safety Practitioner***Planned in cooperation with the ASHP Section of Inpatient Care Practitioners Advisory Group on Small and Rural Hospitals*

Activity #: 0204-0000-18-207-L05-P

Activity #: 0204-0000-18-207-L05-T

1.00 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Determine areas of high priority from a list of medication safety program responsibilities.
- Evaluate implementation rates of the Institute for Safe Medication Practices (ISMP) Targeted Medication Safety Best Practices for Hospitals in small and rural hospitals.
- Given a medication safety issue, apply effective implementation strategies for the small and rural hospital setting.

Program Chair, Presenter, Moderator: Christina Michalek, B.S., R.Ph., FASHP, Medication Safety Specialist, Institute for Safe Medication Practices, Horsham, PA; **Presenter:** David T. Caron Jr., Pharm.D., Pharmacy Director, Martha's Vineyard Hospital, Vineyard Haven, MA

12:15 p.m.–12:45 p.m.**(Management Case Study) Implementation of a Pharmacist Facilitated Discharge Medication Review**

Activity #: 0204-000-18-356-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Explain the importance of pharmacists in the discharge process.
- Describe how to incorporate a discharge medication review into pharmacist workflow.
- Review the process of training pharmacists and creating documentation tools within an electronic medical record.

Presenter: Alexandria F. Stringberg, Pharm.D., PGY1 Pharmacy Resident, University of Missouri Health Care, Columbia, MO

Presenter: Laura E. Butkovich, Pharm.D., BCPS, System Pharmacy Clinical Manager, University of Missouri Health Care, Columbia, MO

12:30 p.m.–2:00 p.m.**Putting Out the Fire: Beating Burnout in Pharmacy and Healthcare***Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-209-L04-P

Activity #: 0204-0000-18-209-L04-T

1.50 Contact Hours | Application-based

Educational Level: General Interest**Learning Objectives:**

- Identify symptoms of professional burnout, including the influence of burnout on professional practice and patient safety.
- Evaluate workplace practices and challenges contributing to or mitigating burnout symptoms.
- Given a scenario, select real-world best practices that can foster professional resilience, improve workplace morale, and optimize productivity.

Program Chair, Moderator: Patrick J. Bridgeman, Pharm.D., Clinical Assistant Professor, Ernest Mario School of Pharmacy, Piscataway, NJ

Presenter: Mary M. Bridgeman, Pharm.D., BCGP, BCPS, Clinical Associate Professor, Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, Hillsborough, NJ

Presenter: Marianne Pop, Pharm.D., BCPS, Clinical Assistant Professor/EM Clinical Pharmacist, University of Illinois College of Pharmacy, Rockford, IL

Presenter: Byron Scott, M.D., M.B.A., Deputy Chief Health Officer, Simpler Consulting, IBM Watson Health, San Diego, CA

12:45 p.m. – 2:00 p.m.**The Perfect Slice of (Preceptor Role) Apple Pie: Just Like Grandma Made***Planned in cooperation with the ASHP New Practitioners Forum*

Activity #: 0204-0000-18-213-L04-P

Activity #: 0204-0000-18-213-L04-T

1.25 Contact Hours | Application-based

Educational Level: General Interest**Track:** Career Development

NOTE: This session is intended for residents and new practitioners.

Learning Objectives:

- Define the four preceptor roles: direct instruction, modeling, coaching, and facilitating.
- Design an individualized learning experience that layers in the four preceptor roles.
- Create an assessment plan for mastery of the four preceptor roles.

Program Chair, Presenter, Moderator: Melinda (Mindy) J. Burnworth, Pharm.D., BCPS, FASHP, FAzPA, Professor of Pharmacy Practice, Midwestern University College of Pharmacy–Glendale, Glendale, AZ

Presenter: Diane B. Ginsburg, Ph.D., M.S., R.Ph., FASHP, Associate Dean for Healthcare Partnerships and Clinical Professor, The University of Texas at Austin, Austin, TX

12:45 p.m. – 2:15 p.m.**New HYPErcholesterolemia Guidelines: Are They Worth All the HYPE?***Planned in cooperation with the ASHP New Practitioners Forum and the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-218-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Track:** Clinical Development

NOTE: This session is intended for residents and new practitioners.

Learning Objectives:

- Explain treatment recommendations included in the new American College of Cardiology–American Heart Association (ACC-AHA) hypercholesterolemia guidelines.
- Apply new guidelines to the management of patients with hypercholesterolemia.
- Identify clinical controversies regarding the benefits of treating hypercholesterolemia in sub-populations.
- Evaluate challenges with the application of the updated guidelines when treating hypercholesterolemia.

Program Chair, Moderator: Joel C. Marrs, Pharm.D., BCACP, BCPS-AQ Cardiology, CLS, FAHA, FASHP, FCCP, FNLA, Associate Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Science, Aurora, CO

Presenter: Joseph Saseen, Pharm.D., BCACP, BCPS, CLS, Professor and Vice Chair, University of Colorado Anschutz Medical Campus, Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

1:00 p.m.–1:30 p.m.

(Management Case Study) ADAPTING Pharmacist Roles to Optimize Post-Percutaneous Coronary Intervention (PCI) Outcomes

Activity #: 0204-000-18-357-L04-P
0.50 Contact Hours | Knowledge-based
Educational Level: General Interest

Learning Objectives:

- Describe the importance of dual antiplatelet therapy (DAPT) adherence in the post-PCI population.
- Explain how the post-discharge follow-up (PDFU) call may help to ensure access and adherence to DAPTs.
- Identify methods to assist in the implementation of these initiatives at other institutions.

Presenter: ManShan Celica Tong, Pharm.D., M.P.H., BCPS, Pharmacy Manager, Cedars-Sinai Medical Center, Los Angeles, CA

Presenter: Kristen Tasca, Pharm.D., BCPS, Clinical Pharmacist, Cedars-Sinai Medical Center, Los Angeles, CA

1:00 p.m.–2:30 p.m.

National Drug Safety Efforts: Deprescribing and Transforming Clinical Practice Initiative

Activity #: 0204-0000-18-202-L05-P
1.50 Contact Hours | Knowledge-based
Educational Level: General Interest

Learning Objectives:

- Define the practice of deprescribing.
- Explain the current deprescribing algorithms in use in the United States and abroad.
- Given a scenario, identify a profile for potential deprescribing actions.
- Describe the Transforming Clinical Practice Initiative (TCPI) and its potential impact on patient safety.
- Discuss the role of the pharmacist in the TCPI networks.

Program Chair, Moderator: Deborah A. Pasko, Pharm.D., M.H.A., Senior Director, Medication Safety & Quality, Center on Medication Safety and Quality, ASHP, Bethesda, MD

Presenter: Barbara Farrell, Pharm.D., B.Sc.Pharm., FCSHP, Scientist, Bruyère Research Institute, Ottawa, Ontario, Canada



1:00 p.m.–5:00 p.m.**The ASHP 2018 Federal Forum**

Join your federal colleagues for an informative session focusing on the continuing public health crisis related to substance use disorders and its societal impact. Learn more about the pivotal role a pharmacist has, or could and should have, in their practice to help alleviate the impact of this crisis. This session will focus on alcohol, tobacco, opioids, and other prescription and illicit drugs. Pharmacists actively working with patients with substance abuse disorders will share their experiences. A proposed vision and call to action will encourage and challenge pharmacists to become more involved in the care of patients with substance use disorders. All pharmacists are invited to attend.

1:00 p.m.–1:15 p.m.

Welcome Event

1:15 p.m.–2:15 p.m.**Federal Forum Keynote: Substance Use Disorders—A Call to Action for Pharmacists**

Activity #0204-0000-18-380-L01-P

Activity #0204-0000-18-380-L01-T

1.00 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Discuss the demographics of various substance use disorders (SUDs) in the United States, including alcohol, tobacco, opioids, and other prescription and illicit drugs.
- Explain the impact these disorders are having on society.
- Summarize initiatives being implemented to mitigate the SUD public health crisis.

Program Chair: William M. (Mike) Heath, M.B.A., R.Ph., President and CEO, Heath Healthcare Consulting, Inc., Lexington, KY

Featured Speaker: Norman Hooten, Pharm.D.

2:15 p.m.–3:15 p.m.**Substance Use Disorders: Federal Pharmacists' Involvement Making a Difference**

Activity #0204-0000-18-381-L01-P

Activity #0204-0000-18-381-L01-T

1.00 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Summarize the success of evidence-based therapies against barriers created by the stigma of substance use disorders (SUDs).
- Discuss roles that clinical pharmacists in the federal sector have established to address these SUDs.
- Describe a plan to get more pharmacists involved with this public health crisis.

Program Chair: William M. (Mike) Heath, M.B.A., R.Ph., President and CEO, Heath Healthcare Consulting, Inc., Lexington, KY

Presenter: Theresa Frey, Pharm.D., BCPP

Presenter: Tera Moore, Pharm.D., BCACP, BCPS

3:30 p.m.–5:00 p.m.**Federal Forum: Meet the Researchers Poster Presentations 2018**

Activity #0204-0000-18-382-L04-P

Activity #0204-0000-18-382-L04-T

1.00 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Describe emerging trends in various pharmacy practice areas.
- List current, cutting-edge research practices and tools used to advance healthcare.
- Discuss solutions to emerging issues in healthcare and pharmacy.

1:45 p.m.–2:15 p.m.**(Management Case Study) Pharmacist-Led Efforts with Rapid Diagnostic Testing**

Activity #: 0204-000-18-358-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Identify rapid diagnostic tests useful in the evaluation of antimicrobial therapy.
- Describe the development and implementation of a pharmacist-led protocol utilizing rapid diagnostic testing to improve antimicrobial therapy.
- Explain potential benefits and challenges found during the implementation of this pharmacy-led antimicrobial stewardship initiative.

Presenter: Lauryl Hanf-Kristufek, Pharm.D., BCPS, CACP, Clinical Coordinator, Mercy Health St. Charles Hospital, Oregon, OH

2:15 p.m. – 3:30 p.m.**Trying Something New: Novel Approaches to Teaching Critical Literature Analysis**

Planned in cooperation with the ASHP New Practitioners Forum and the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-214-L04-P

1.25 Contact Hours | Application-based

Educational Level: General Interest**Track:** Career Development

NOTE: This session is intended for residents and new practitioners.

Learning Objectives:

- Describe learning strategies that can be used to teach critical literature analysis.
- Using a specific technique, evaluate an abbreviated journal club activity.
- Evaluate the pros and cons of using a journal club to teach critical literature analysis.

Program Chair, Presenter, Moderator: Michael J. Scalese, Pharm.D., BCPS, CACP, Cardiology Clinical Pharmacy Specialist, Palmetto Health Richland, Columbia, SC

Presenter: Bobby Helmer, Pharm.D., BCPS, Assistant Clinical Professor, Auburn University Harrison School of Pharmacy, Mobile, AL

2:30 p.m.–3:00 p.m.**(Management Case Study) Pharmacist Impact on Enhanced Recovery Pathways for Surgical Patients**

Activity #: 0204-000-18-359-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Describe the background, definition, principles and core elements of an Enhanced Recovery Pathway (ERP).
- Recommend practical advice and suggestions on how to integrate current practice models to fit individual practice.
- Evaluate how hospitals may implement ERP for surgical patients.

Presenter: Lesleigh Ailts, Pharm.D., B.S.H.S., BCPS, Clinical Pharmacist Specialist, Stormont Vail Hospital, Lawrence, KS

Presenter: Margaret Malovrh, Pharm.D., BCPS, Pharmacy Clinical Coordinator, Sparrow Hospital, Lansing, MI

2:30 p.m. – 3:30 p.m.**It's Teamwork: Advantages of an Interprofessional Approach to Antimicrobial Stewardship**

Activity #: 0204-0000-18-217-L01-P

1.00 Contact Hours | Application-based

Educational Level: Intermediate**Track:** Clinical Development

NOTE: This session is intended for residents and new practitioners.

Learning Objectives:

- Describe the Joint Commission's Medication Management standards related to an antimicrobial stewardship program (ASP).
- Discuss the integral elements related to an ASP.
- Evaluate the importance of an interprofessional approach to establishing a successful ASP.
- Given a scenario, recommend solutions to better manage data collection and analysis of ASP-related metrics.

Program Chair, Presenter, Moderator: Paul T. Green, Pharm.D., M.H.A., BCPS, Clinical Manager, CompleteRx; Residency Program Director, Upper Allegheny Health System, Warren, PA

Presenter: Maria C. Minskovsky, Pharm.D., PGY1 Pharmacy Resident, Olean General Hospital, Manlius, NY

2:30 p.m.–4:00 p.m.**Breathe In, Breathe Out: How to Manage Emotions in the Workplace**

Activity #: 0204-0000-18-210-L04-P

Activity #: 0204-0000-18-210-L04-T

1.50 Contact Hours | Application-based

Educational Level: General Interest**Learning Objectives:**

- Describe the challenges with regulating emotions in the workplace.
- Demonstrate emotional regulation in a high-stress situation or environment.
- Develop a plan to integrate strategies to optimize emotional regulation in the workplace.

Program Chair, Moderator, Presenter: Michael Wolcott, Pharm.D., BCPS, Clinical Infectious Diseases and Antimicrobial Stewardship Pharmacist, Duke University Hospital, Durham, NC

Presenter: Nikki G. Lobczowski, M.Ed., Research Assistant, University of North Carolina at Chapel Hill, Chapel Hill, NC

3:00 p.m.–4:30 p.m.**Pharmacy Accountability Measures: Clinical Quality Benchmarking for Success**

Activity #: 0204-0000-18-203-L04-P

Activity #: 0204-0000-18-203-L04-T

1.50 Contact Hours | Application-based

Educational Level: Intermediate**Learning Objectives:**

- Define elements of effective quality measures.
- Explain the methodology used by the Pharmacy Accountability Measures Work Group to analyze benchmarking measures.
- Evaluate the various clinical domains and the respective quality measures selected for universal application.
- Given a scenario, design a benchmarking dashboard for accountability measures.

Program Chair: Anna Dopp, Pharm.D., Director, Clinical Guidelines & Quality Improvement, Center on Medication Safety and Quality, ASHP, Bethesda, MD

Presenter, Moderator: Jannet Carmichael, Pharm.D., BCPS, FAPhA, FCCP, President, Pharm Consult NV LLC, Reno, NV

Presenter: Mary Andrawis, Pharm.D., M.P.H., Executive Director, High Reliability, American Hospital Association, Springfield, VA

3:15 p.m.–3:45 p.m.**(Management Case Study) Developing Future Leaders: The Evolution of a PGY1 Pharmacy Leadership Rotation**

Activity #: 0204-000-18-360-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Discuss the key leadership components of the ASHP accreditation competencies, goals, and objectives for postgraduate year one (PGY1) pharmacy residencies.
- Identify examples of cognitively-appropriate and/or unique leadership learning activities that align with educational goals.
- Describe a leadership rotation schedule that maximizes value to both the resident and preceptor.

Presenter: Allison Naso, Pharm.D., M.B.A., BCPS, Inpatient Pharmacy Manager, Cleveland Clinic Medina Hospital, Medina, OH

4:00 p.m.–4:30 p.m.**(Management Case Study) Titrating to Safety and Compliance: Management of Titration Orders in the Intensive Care Unit**

Activity #: 0204-000-18-361-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Identify key regulatory requirements related to titrated medications.
- Describe an approach to medication order build in the electronic health record (EHR) to ensure regulatory compliance with orders.
- Explain how a titration policy can be used to improve consistency in documentation and communication among providers.

Presenter: Kimberly B. Snodgrass, Pharm.D., BCPS, Pharmacy Manager, Critical Care, Cedars-Sinai Medical Center, Los Angeles, CA

Monday, December 3

11:15 a.m.–12:15 p.m.

ACPE Update 2018

Planned in cooperation with the Accreditation Council for Pharmacy Education

NOTE: CE will not be offered with this session.

The Accreditation Council for Pharmacy Education (ACPE) President and Executive Director will present updates on ACPE activities including the state of implementation of the new Professional Degree Program Accreditation Standards (S2016); the status of the Health Professions Accreditors Collaborative; the Continuing Education Provider Accreditation Program, including the growth of the Joint Accreditation for Interprofessional Continuing Education; the status of the ASHP-ACPE Collaboration for Pharmacy Technician Education/Training Accreditation, including the revised Pharmacy Technician Education and Training Accreditation Standards effective January 1, 2019; and the growth of the ACPE International Services Program.

Program Chair, Presenter, Moderator: Peter Vlasses, Pharm.D., D.Sc. (Hon.), FCCP, Executive Director, Accreditation Council for Pharmacy Education, Chicago, IL

Presenter: John Clay Kirtley, Pharm.D., Executive Director, Arkansas State Board of Pharmacy, Little Rock, AR

2:00 p.m.–2:30 p.m.

(Management Case Study) Pharmacy-Driven Chemotherapy Stewardship in a Community Hospital Setting

Activity #: 0204-000-18-362-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Discuss rationale for value based cancer care and justifications for inpatient chemotherapy administration.
- Explain a workflow for reviewing costly inpatient restricted and non-formulary chemotherapy requests.
- Review cases for appropriate versus inappropriate inpatient chemotherapy requests.

Presenter: Junyu Zhang, Pharm.D., BCPS, Clinical Pharmacist, Community Healthcare System–Community Hospital, Munster, IN

Co-Author: Sean Chantarapanont, Pharm.D., BCPS, Clinical Pharmacy Manager, Community Healthcare System–Community Hospital, Munster, IN

2:00 p.m.–3:00 p.m.

Dealing with Day-to-Day Data: Evidence-Based Operations

Activity #: 0204-0000-18-225-L04-P

Activity #: 0204-0000-18-225-L04-T

1.00 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Explain best practice applications of data-driven decision-making in pharmacy operations.
- Given a scenario, develop metrics and display methods to integrate data into daily pharmacy operations.
- Describe success factors for implementation of data-driven displays of performance metrics through case analyses.
- Identify future applications of dashboards and evidence-based operations.

Program Chair, Moderator, Presenter: Thomas S. Achey, Pharm.D., M.S., BCPS, Manager, Inpatient Pharmacy Services, Duke University Hospital, Durham, NC

Presenter: John D. Hill, Pharm.D., M.S., BCPS, Operations Manager, Adult Inpatient Pharmacy, The Johns Hopkins Hospital, Baltimore, MD

2:00 p.m.–3:30 p.m.

Winning or Losing? Challenges with Operationalizing Biosimilar Reimbursement

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

Activity #: 0204-0000-18-226-L04-P

Activity #: 0204-0000-18-226-L04-T

1.50 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Describe the current and future challenges facing pharmacy biosimilar reimbursement.
- Interpret strategies to manage payer mandates to decrease revenue forfeiture.
- Evaluate actionable steps that pharmacy leadership can use to operationalize changes to formulary management in response to future shifts in biosimilar reimbursement.

Program Chair, Moderator, Presenter: Agatha Nolen, B.S.Pharm., Ph.D., M.S., Assistant Vice President, HCA (Hospital Corporation of America), Nashville, TN

Presenter: Bradley Bruce, Pharm.D., Senior Consultant, HCA (Hospital Corporation of America), Nashville, TN

Presenter: Ashley Mains Espinosa, Pharm.D., M.S., CPHIMS, Director, System Pharmacy Business Services, SCL Health, Denver, CO

2:00 p.m.–3:30 p.m.

Expanding the Roles of Clinical Pharmacogenomics and Its Implementation*Planned in cooperation with the American Pharmacists Association*

Activity #: 0204-9999-18-227-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Target Audience:** BCACP, BCCCP, BCGP, BCPPS, BCPS

NOTE: This session is part of the Live Intensive Study and BCOP Clinical Sessions packages. All attendees may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. For more information, see page 1564.

Learning Objectives:

- Recommend the key steps in the implementation of pharmacogenetics testing in clinical practice.
- Evaluate strategies to initiate pharmacogenetic testing at your organization.
- Given a case study, evaluate key elements of a pharmacogenomics testing product.
- Given a case study, recommend appropriate pharmacogenomics resources based on specific needs in the implementation process.

Program Chair, Presenter, Moderator: Henry Dunnenberger, Pharm.D., BCPS, Director—Pharmacogenomics, NorthShore University Health-System, Memphis, TN

Presenter: Gillian C. Bell, Pharm.D., Clinical Pharmacist, Personalized Medicine, Mission Health, Asheville, NC

2:00 p.m.–3:30 p.m.

Hitting the Mark: Improving Antibiotic Dosing in Patients with Altered Renal States*Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-228-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Identify critical factors that influence antibiotic exposure in patients with altered renal states.
- Evaluate alternative antibiotic dosing schemes to improve outcomes and facilitate care transitions.
- Select appropriate antibiotic regimens for patients with altered renal states.

Program Chair, Moderator, Presenter: N. Jim Rhodes, Pharm.D., M.Sc., BCPS-AQ ID, Assistant Professor of Pharmacy Practice, Chicago College of Pharmacy, Midwestern University, Downers Grove, IL

Presenter: Douglas N. Fish, Pharm.D., BCCCP, BCPS-AQ ID, Professor and Chair, Department of Clinical Pharmacy, University of Colorado Skaggs School of Pharmacy, Aurora, CO

Presenter: Bruce A. Mueller, Pharm.D., FASN, FCCP, FNKF, Professor and Associate Dean of Academic Affairs, University of Michigan College of Pharmacy, Ann Arbor, MI

2:00 p.m.–3:30 p.m.

Anticoagulation for Atrial Fibrillation: Difficult Clinical Conundrums

Activity #: 0204-0000-18-229-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Assess individual patient risk of bleeding and thrombosis to formulate a perioperative plan for anticoagulation management.
- Formulate an approach to work with patients to help them decide their preferred antithrombotic choice with a CHAD2S2-VASc=1.
- Assess a patient's renal function and choose the best anticoagulation option for stroke prophylaxis.
- Assess if anticoagulation dosing is adequate and appropriate based on weight and body mass index (BMI).

Program Chair, Moderator, Presenter: Jessie L. Dunne, Pharm.D., BCPS, Clinical Pharmacy Specialist, UK Health-Care, Lexington, KY

Presenter: Snehal Bhatt, Pharm.D., BCPS-AQ Cardiology, FASHP, Associate Professor of Pharmacy Practice, MCPHS University, Framingham, MA

2:00 p.m.–3:30 p.m.

Well-Being and Burnout: Tactics to Ease and Restore Health*Planned in cooperation with the ASHP Section of Pharmacy Practice Managers*

Activity #: 0204-0000-18-230-L04-P

Activity #: 0204-0000-18-230-L04-T

1.50 Contact Hours | Application-based

Educational Level: General Interest**Learning Objectives:**

- Review the signs and symptoms of burnout.
- Describe strategies for yourself and your team focusing on work-life integration tactics.
- Analyze Maslach Burnout Inventory (MBI) data targeting emotional exhaustion, depersonalization, and personal accomplishment.

- Apply team dynamic tactics, which can be used to reduce the potential of burnout and restore well-being.

Program Chair, Presenter, Moderator: Robert P. Granko, Pharm.D., M.B.A., FASHP, Director of Pharmacy, Cone Health–Moses H. Cone Hospital, Greensboro, NC

Presenter: Samuel Calabrese, B.S.Pharm., M.B.A., FASHP, Associate Chief Pharmacy Officer, Cleveland Clinic, Cleveland, OH

Presenter: Jennifer E. Tryon, Pharm.D., M.S., FASHP, Associate Vice President and Chief Pharmacy Officer, Wake Forest Baptist Health, Winston-Salem, NC

2:00 p.m.–3:30 p.m.

340B Update: Hot Topics in 2018

Activity #: 0204-0000-18-231-L04-P

Activity #: 0204-0000-18-231-L04-T

1.50 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Apply current topics, trends, and benchmarks in the 340B environment.
- Assess whether a new or expanded pharmacy patient assistance program is right for your hospital.
- Identify the major considerations when optimizing a pharmacy assistance program to ensure its success.

Program Chair, Moderator: Christopher A. Hatwig, M.S., R.Ph., FASHP, President, Apexus, Irving, TX

Presenter: Lynn Eschenbacher, Pharm.D., M.B.A., FASHP, National Director of Pharmacy Operations, Ascension, St. Louis, MO

Presenter: Vivian B. Johnson, Pharm.D., M.B.A., FASHP, Vice President of Pharmacy Services and Interim Vice President of Supply Chain, Parkland Health and Hospital System, Dallas, TX

Presenter: Sarah Lee, Pharm.D., M.S., Manager, Education and Compliance Support, Apexus, Irving, TX

2:00 p.m.–3:30 p.m.

Extending the Reach of the Pharmacy Enterprise: Expansion of Pharmacy Technician Roles

Planned in cooperation with the Pharmacy Technician Certification Board

Activity #: 0204-0000-18-232-L04-P

Activity #: 0204-0000-18-232-L04-T

1.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- List three operational, technical, and/or clinical support roles for pharmacy technicians that would allow the pharmacist more time for direct patient care.

- Discuss the implementation of advanced roles for pharmacy technicians.
- Describe the business impact of implementing advanced roles for pharmacy technicians.

Program Chair, Moderator: Angela T. Cassano, Pharm.D., BCPS, FASHP, President, Pharmfusion Consulting, LLC, Midlothian, VA

Presenter: Jane W. Barton, M.S., CPhT, Staff Development Supervisor, UW Health, Middleton, WI

Presenter: Kimber Boothe, Pharm.D., M.H.A., System Director Pharmacy, St. Elizabeth Healthcare, Cincinnati, OH

Presenter: Steve Rough, M.S., R.Ph., FASHP, Senior Director of Pharmacy, University of Wisconsin Health, Madison, WI

2:00 p.m.–3:30 p.m.

Provider Status: Being a Provider With or Without the “Status”

Planned in cooperation with the ASHP Section of Inpatient Care Practitioners

Activity #: 0204-0000-18-233-L04-P

Activity #: 0204-0000-18-233-L04-T

1.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Describe the current state of provider status.
- List strategic priorities to gain provider status at the national level.
- Explain what it means to be a pharmacist provider and how it differs from other care extenders (e.g., nurse practitioner, physician assistant).
- State how our profession can ensure a unified message on the differentiation between pharmacist providers and other care extenders.
- Give examples of pharmacists and their practice sites that align with best practices as providers of medication management services.

Program Chair, Moderator, Presenter: Dale E. English II, Pharm.D., B.S.Pharm., R.Ph., FASHP, Associate Dean of Student Affairs; Professor of Clinical & Administrative Sciences, Sullivan University College of Pharmacy and Health Sciences, Louisville, KY

Presenter: Hae Mi Choe, Pharm.D., Director, Pharmacy Innovations & Clinical Practices, University of Michigan Health System, Ann Arbor, MI

Presenter: Amanda Locke, Pharm.D., M.B.A., BCACP, Ambulatory Pharmacy Manager, Virginia Mason Medical Center, Seattle, WA

2:00 p.m.–3:30 p.m.**Gabapentin: An Unnerving New Trend in Drug Abuse**

Activity #: 0204-0000-18-234-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Identify risk factors for gabapentin abuse.
- Discuss the medical consequences of gabapentin abuse.
- Describe current regulatory oversight of gabapentin.
- Compare and contrast your state to neighboring states in terms of gabapentin-related legislation.
- Argue for or against reclassification of gabapentin as a controlled substance.

Program Chair, Moderator, Presenter: Alyssa M. Peckham, Pharm.D., BCPP, Assistant Professor; Clinical Pharmacist, Addiction Specialist, Northeastern University; Massachusetts General Hospital, Boston, MA

Presenter: Kirk Evoy, Pharm.D., BCACP, BC-ADM, CTTS, Clinical Assistant Professor, University of Texas at Austin, Austin, TX

2:00 p.m.–4:00 p.m.**Safety & Quality Pearls 2018**

Planned in cooperation with the ASHP Section of Inpatient Care Practitioners

Activity #: 0204-0000-18-235-L05-P

Activity #: 0204-0000-18-235-L05-T

2.00 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Describe three examples of interventions that have improved safety or quality of patient care in health systems.
- List steps for implementation of at least one safety improvement program.
- Explain how to apply three strategies for preventing patient harm.

Program Chair: Sarah Stephens, Pharm.D., BCPS, CPPS, Medication Safety Coordinator, Kaweah Delta Health Care District, Visalia, CA

Presentations:

Closing the Gap: Utilization of the ISMP Medication Safety Self-Assessment for High-Alert Medications

Stephanie S. Bethay, Pharm.D., M.B.A., PGY2 Health-System Pharmacy Administration Resident, University of Kentucky HealthCare, Lexington, KY

Developing Effective Quality Improvement Measures—A Theory-Based Approach

Christopher M. Patty, DNP, RN, CPPS, Director of Research, Kaweah Delta Health Care District, Visalia, CA

REMS—Optimizing the Dream with Learners

Presenter: Indrani Kar, Pharm.D., Drug Policy/Formulary Pharmacist, University Hospitals, Cleveland, OH

Mini-RCA for Maximal Learning: Involving Learners in Root Cause Analysis

Shantel Mullin, Pharm.D., BCPS, Director of Pharmacy Quality, Safety and Training, University of Utah Health, Salt Lake City, UT

Keeping the HAMST-R Wheel Spinning Across the U.S.: A Multi-Site Study Assessing Validity of the High-Alert Medication Stratification Tool-Revised

Todd A. Walroth, Pharm.D., BCCCP, BCPS, Pharmacy Manager—Clinical Services, Eskenazi Health, Indianapolis, IN

ENFit Implementation: Engaging the Community

Shelly Morvay, Pharm.D., CPPS, Medication Safety Pharmacist, Nationwide Children's Hospital, Columbus, OH

Growing Gills: Guiding Aspiring Managers Upstream

Megan McGugan, Pharm.D., PGY2 Health-System Pharmacy Administration Resident, University of Texas MD Anderson Cancer Center, Houston, TX

The Birth of a Bill: Legislation to Advance Pharmacy's Role in Medication Histories

Rita Shane, Pharm.D., FASHP, FCSHP, Chief Pharmacy Officer and Professor of Medicine, Cedars-Sinai Medical Center, Los Angeles, CA

I Do Declare! We Need a JUST Culture!

Natasha Nicol, Pharm.D., FASHP, Director of Global Patient Safety Affairs, Cardinal Health, Pawleys Island, SC

3+3+2= Danger! Simplifying Treatment of Acetaminophen Overdose

Paul E. Milligan, Pharm.D., B.S.Pharm., System Medication Safety Pharmacist, BJC HealthCare, St. Louis, MO

Anti-Xa- Monitored Heparin: NOAC Workflow and Patient Safety Considerations

Andrew Stivers, Pharm.D., Manager, Medication Use & Safety, Emory University Hospital Midtown, Atlanta GA

Leveraging Pharmacists to Optimize the Safety of Clozapine Continuation for Medically Admitted Patients

Jonathan G. Leung, Pharm.D., Psychiatric Clinical Pharmacist, Mayo Clinic, Rochester, MN

USP Chapter <800> Hazardous Drug Lists—From Health System to the Entity

Bridget E. Gegorski, Pharm.D., Medication Safety Officer, University Hospitals, Cleveland, OH

Survey Readiness Rounds

Katayoon Kathy Ghomeshi, Pharm.D., M.B.A., BCPS, Medication Safety Specialist, UCSF Medical Center, San Francisco, CA

Patient Allergies—Design Decisions for Medication Safety

Elizabeth Wade, Pharm.D., BCPS, Medication Safety Officer, Concord Hospital, Concord, NH

Drug Safety Alert Program (DSAP) for Targeted Clinical Practice Safety Initiatives

Zachary A. Wallace, Pharm.D., PGY2 Medication Use Safety Pharmacy Resident, Marshfield Clinic Health System, Marshfield, WI

Implementing a Quality Hub for an EMR Go-Live

Elizabeth Rebo, Pharm.D., Director of Medication Safety, WellStar Health System, Marietta, GA

Five Secrets to Achieving Excellence in Healthcare Quality

Mary Sue McAslan, Pharm.D., Manager, Quality Improvement, Department of Pharmacy, Veterans Health Administration Eastern Colorado Healthcare System, Denver, CO

2:00 p.m.–4:00 p.m.

Preparing for Joint Commission: Keep It on Track!

Activity #: 0204-0000-18-236-L03-P

Activity #: 0204-0000-18-236-L03-T

2.00 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Explain the new Joint Commission survey process, scoring procedure, and revised standards and elements of performance.
- List easy-to-implement strategies to prepare for surveyor activities.
- Identify the most important compliance issues associated with the top medication-related deficiencies cited in Joint Commission surveys.
- Discuss the importance of identifying problematic areas prior to surveys.
- Describe the development of a successful action plan for compliance.

Program Chair, Moderator, Presenter: John P. Uselton, B.S., R.Ph., Director of Quality and Pharmacy Practice, Cardinal Health Innovative Delivery Solutions, Sugar Land, TX

Presenter: Robert C. Jordin, R.Ph., Director, Accreditation and Medication Safety, Cardinal Health Innovative Delivery Solutions, Houston, TX

Presenter: Patricia C. Kienle, B.S.Pharm., M.P.A., FASHP, Director, Accreditation and Medication Safety, Cardinal Health Innovative Delivery Solutions, Wilkes-Barre, PA

Presenter: Lee B. Murdaugh, B.S.Pharm., Ph.D., Director, Accreditation and Medication Safety, Cardinal Health Innovative Delivery Solutions, Knoxville, TN

2:00 p.m.–4:00 p.m.

Therapeutic Debates 2018

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-237-L01-P

2.00 Contact Hours | Knowledge-based

Educational Level: Advanced

Learning Objectives:

- Explain why therapeutic controversies might occur in clinical practice.
- Identify three therapeutic areas in which controversies may exist.
- Discuss the pro and con arguments of selected therapeutic issues.

Program Chair, Moderator: Gretchen V. Lindsey, Pharm.D., B.S.Pharm., R.Ph., Senior Regional Director of Clinical Services, Pharmacy Systems, Inc., Dublin, OH

Debate Topics:

Probiotics: Controversy

Pro: Allana Sucher, Pharm.D., BCPS, Professor of Pharmacy Practice, Regis University, Denver, CO

Con: Lisa Hall Zimmerman, Pharm.D., BCCCP, BCNSP, BCPS, FCCM, Critical Care Clinical Pharmacist, CT Surgery ICU Program Director, PGY2 Critical Care Residency, New Hanover Regional Medical Center, Wilmington, NC

Treatment Options for ESBL: Carbapenem vs. Non-Carbapenem

Con: Bhavik M. Shah, Pharm.D., AAHIVP, BCPS, Associate Professor, Jefferson College of Pharmacy, Philadelphia, PA

Pro: Marylee Worley, Pharm.D., BCPS, Assistant Professor, Nova Southeastern University, Plantation, FL

Anticoagulation Reversal: Targeted Antidotes vs. Factor Products

Pro: John J. Lewin III, Pharm.D., M.B.A., BCCCP, FASHP, FCCM, FNCS, Division Director, Critical Care & Surgery Pharmacy, The Johns Hopkins Hospital, Baltimore, MD

Con: Nicholas G. Panos, Pharm.D., BCCCP, BCPS, Clinical Pharmacy Specialist, Rush University Medical Center, Chicago, IL

2:00 p.m.–4:30 p.m.**Pharmacy Practice Advancements in a Global Healthcare Ecosystem (Featuring the Donald E. Francke Medal Lecture)**

Activity #: 0204-0000-18-238-L04-P

Activity #: 0204-0000-18-238-L04-T

2.00 Contact Hours | Knowledge-based

Educational Level: General Interest

The Donald E. Francke medalist will present at 2:00 p.m. The educational session starts immediately after the lecture at 2:30 p.m. The ASHP Board of Directors' Donald E. Francke Medal was established to honor pharmacists who have made significant international contributions to advance pharmacy practice.

All attendees of this session are invited to join the medalist after the session to offer congratulations at a special reception for international registrants. Additionally, international registrants and invited guests will have the unique opportunity to learn about best practices from a select group of international attendees presenting posters at and during the reception. The reception is an opportunity to network with your friends and colleagues from around the world. Light refreshments will be served.

Learning Objectives:

- Describe how advances in international pharmacy practice can impact the global healthcare ecosystem.
- Identify the key drivers that influence global advances in pharmacy practice and how these advancements can be adapted to your practice setting.
- Discuss opportunities and challenges that lead to variability in international pharmacy practice.

Program Chair, Moderator: Eric M. Maroyka, Pharm.D., BCPS, Director, Center on Pharmacy Practice Advancement, ASHP, Bethesda, MD

Presenter: Aeshah A. AlAzmi, Pharm.D., B.S., FISQuA, Clinical Pharmacist, Pediatric Oncology/Hematology/Bone Marrow Transplant, Ministry of National Guard Health Affairs, Pharmaceutical Care Services Department, Clinical Pharmacy Section, Jeddah, Saudi Arabia

Presenter: Yuh Lih Chang, Division Chief, Taipei Veterans General Hospital, Taipei City, Taiwan

Presenter: Mar Gomis-Pastor, Pharm.D., Transplant and Innovation Pharmacist, Pharmacy Department, Hospital de la Santa Creu i Sant Pau, Barcelona, Spain

Presenter: Kevin McDonald, B.Sc.Pharm., Director, Northwest Telepharmacy Solutions, The North West Company, Deep River, Ontario, Canada

Presenter: Hashem Tarifi, Ph.D., M.S., M.B.A., FASHP, Corporate Manager, Drugs and Medical Products, Department of Health, Abu Dhabi, United Arab Emirates

2:45 p.m.–3:15 p.m.**(Management Case Study) Improving Bedside Medication Delivery Program to Increase Prescription Capture Rate and Expedite Patient Discharges**

Activity #: 0204-000-18-363-L04-P

Activity #: 0204-000-18-363-L04-T

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Describe the workflow of a discharge medication delivery program.
- Identify methods to overcome barriers to utilization of a hospital-based outpatient pharmacy bedside discharge medication program.
- Outline the educational steps and support required to maintain a successful bedside delivery program.

Presenter: Cynthia Coffey, Pharm.D., Pharmacy Manager, Cardinal Health Inc. & Riverside Regional Medical Center, Newport News, VA

Presenter: Victoria Sisitka, CLSSBB, Business Process Manager, Riverside Health, Newport News, VA

3:30 p.m.–4:00 p.m.**(Management Case Study) Comprehensive Pharmacy Care in a Community Hospital Setting**

Activity #: 0204-000-18-364-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Describe a comprehensive pharmacy care model that can be deployed in a community hospital.
- Explain how to gain administrative buy-in to expand pharmacy services.
- Describe one way to track metrics related to a new pharmacy service.

Presenter: Jaclyn A. Boyle, Pharm.D., M.S., M.B.A., BCACP, Clinical Pharmacy Specialist, University Hospitals Portage Medical Center, Ravenna, OH

Presenter: Scott Naples, Pharm.D., M.B.A., Pharmacy Manager, University Hospitals, Ravenna, OH

3:30 p.m.–5:00 p.m.

Managing Opioid Use Disorder and Reducing Opioid Overprescribing

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

Activity #: 0204-0000-18-240-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Explain Diagnostic and Statistical Manual of Mental Disorders 5 criteria for diagnosis of opioid use disorder.
- Discuss the pharmacist's role in using an opioid dashboard.
- Given a case study, design safe ways to taper down the dose of an opioid prescription for a patient who is on high morphine equivalent daily dose.
- Develop strategies to engage an opioid-dependent patient in efforts to reduce the opioid dosage.

Program Chair, Moderator: Kathy Davari, Pharm.D., Associate Chief of Pharmacy, Clinical Services, Atlanta VA Health Care System, Chamblee, GA

Presenter: Michael Saenger, M.D., FACP, VISN7 Consultant Pain Management; Director Empower Veterans Program, VHA, Decatur, GA

Presenter: Jennifer Casarella, M.D., Medical Director, Substance Abuse Treatment Program, Atlanta VAMC, Decatur, GA

4:00 p.m.–5:00 p.m.

Updates in the Management of Pain, Agitation, and Delirium in the ICU

Activity #: 0204-0000-18-241-L01-P

1.00 Contact Hours | Application-based

Educational Level: Advanced

Target Audience: BCCCP

NOTE: This session is part of the Live Intensive Study and BCOP Clinical Sessions packages. All attendees may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. For more information, see page 1564.

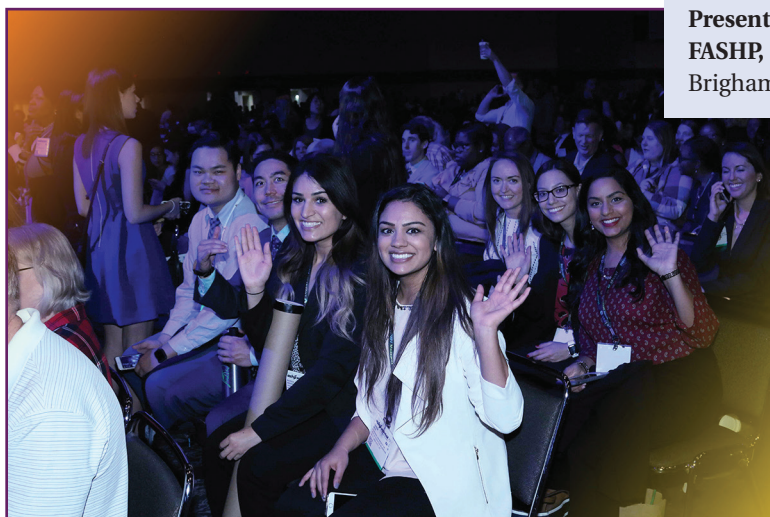
Learning Objectives:

- Compare the substantial changes to the 2018 Society of Critical Care Medicine (SCCM) guidelines to the 2013 guidelines and their impact on patient assessment and pharmacotherapy.
- Given a patient case, discuss the assessment of pain, agitation, and delirium, as well as the evidence-based goals for medication titration in a critically ill patient.
- Given a patient case, evaluate pharmacotherapy options and sedation strategies for the prevention and management of pain, agitation, and delirium in a critically ill patient.

Program Chair, Moderator: Jeremy DeGrado, Pharm.D., BCCCP, BCPS, Clinical Pharmacy Specialist, Critical Care, Brigham and Women's Hospital, Boston, MA

Presenter: Benjamin Hohlfelder, Pharm.D., BCPS, Critical Care Pharmacy Clinical Specialist, Cleveland Clinic, Cleveland, OH

Presenter: Paul M. Szumita, Pharm.D., BCCCP, BCPS, FASHP, FCCM, Clinical Pharmacy Practice Manager, Brigham and Women's Hospital, Foxboro, MA



4:00 p.m.–5:15 p.m.**Therapeutic Challenges: Direct Oral Anticoagulants in Special Population***Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-243-L01-P

1.25 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Discuss clinical trials evaluating direct oral anticoagulants (DOACs) in obesity.
- Evaluate clinical trials of DOACs in patients with malignancy.
- Recommend DOAC dosing for end stage renal disease (ESRD).
- Select an appropriate DOAC therapy for patients with gastric bypass.

Program Chair, Moderator: Tadd Hellwig, Pharm.D., BCPS, Associate Professor, South Dakota State University College of Pharmacy, Sioux Falls, SD

Presenter: Paul P. Dobesh, Pharm.D., BCPS-AQ Cardiology, FCCP, Professor of Pharmacy Practice, University of Nebraska Medical Center College of Pharmacy, Omaha, NE

4:00 p.m.–5:15 p.m.**Contemporary Considerations: Caring for the Transgender and Gender-Nonconforming Patient***Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-244-L01-P

1.25 Contact Hours | Application-based

Educational Level: Intermediate**Learning Objectives:**

- Given a male-to-female or female-to-male transgender patient description, recommend a therapeutic plan to meet goals of therapy.
- Evaluate a patient's barriers to care and recommend solutions to these barriers.
- Given a transgender patient with concomitant disease state, design a therapeutic regimen that maximizes safety by minimizing drug interaction and toxicity concerns.

Program Chair, Moderator: Melody L. Berg, Pharm.D., M.P.H., AAHIVP, BCPS-AQ ID, Senior Clinical Content Specialist, Wolters Kluwer, Whitestown, IN

Presenter: Josh Breeding, Pharm.D., BCPS, Pharmacy Clinical Specialist, Fairview Southdale Hospital, Minneapolis, MN

Presenter: Jessica Conklin, Pharm.D., Ph.C., AAHIVP, BCACP, CDE, Assistant Professor, University of New Mexico College of Pharmacy, Albuquerque, NM

4:00 p.m.–5:15 p.m.**Three's Good Company: Three Strategies for Improving Safety Through Effective Event Response**

Activity #: 0204-0000-18-245-L05-P

Activity #: 0204-0000-18-245-L05-T

1.25 Contact Hours | Knowledge-based

Educational Level: Intermediate**Learning Objectives:**

- Describe how a just culture, disclosure, and event investigation are necessary to improve safety.
- Explain how human behavioral choices need to be the basis of decisions related to handling those involved in errors.
- Describe why an investigation of events should occur before full disclosure.
- Identify the two disappointments patients experience after an error and how each may be affected by our actions.
- Summarize the elements for performing an effective root cause analysis (RCA) event investigation.

Program Chair, Moderator, Presenter: Natasha Nicol, Pharm.D., FASHP, Director of Global Patient Safety Affairs, Cardinal Health, Pawleys Island, SC

Presenter: Matthew Grissinger, B.S.Pharm., FASCP, FISMP, Director, Error Reporting Programs, Institute for Safe Medication Practices, Horsham, PA

4:00 p.m.–5:15 p.m.**BURN-Build Your Resilience Now: Strategies and Tactics to Prevent Burnout***Planned in cooperation with the ASHP Section of Inpatient Care Practitioners*

Activity #: 0204-0000-18-246-L04-P

Activity #: 0204-0000-18-246-L04-T

1.25 Contact Hours | Application-based

Educational Level: General Interest**Learning Objectives:**

- Describe current trends related to clinician burnout and the effect burnout has on patient care.
- Given a scenario, evaluate potential strategies to combat burnout.
- Develop a plan of action to apply resilience strategies to one's own work environment.
- Recommend ongoing resources and forums to provide feedback to ASHP and other stakeholders on the effects of clinician burnout and success stories of resilience.

Program Chair, Moderator: Nicole J. Clark, Pharm.D., M.H.A., BCPS, FMSHP, Pharmacy Clinical Practice and Education Manager, MelroseWakefield Healthcare, Melrose, MA

Presenter: Heather Jones, Pharm.D., M.S., Pharmacy Manager, Oncology Services, University of Wisconsin Health, Middleton, WI

Presenter: Rebecca A. Taylor, Pharm.D., M.B.A., BCPS, Director of Pharmacy, Cleveland Clinic Fairview and Lutheran Hospitals, Cleveland, OH

4:00 p.m.–5:15 p.m.

Should We Be Holding Our Breath? Updates in Current Management of COPD and Asthma

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

Activity #: 0204-0000-18-247-L01-P

1.25 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Discuss updates to the Global Initiative for Asthma (GINA) and Global Initiative for Chronic Obstructive Lung Disease (GOLD) guidelines for asthma and chronic obstructive pulmonary disease (COPD) management.
- Summarize factors that aid in the selection of specific treatment options for asthma and COPD.
- Recommend strategies to help patients obtain inhalers at a lower cost.

Program Chair, Moderator, Presenter: Amber Lanae Martirosov, Pharm.D., BCACP, BCPS, Assistant Clinical Professor, Wayne State University, Troy, MI

Presenter: Hanna Raber, Pharm.D., BCACP, BCPS, Assistant Clinical Professor, University of Utah, Salt Lake City, UT

4:00 p.m.–5:15 p.m.

One Great Leap for Pharmacy-Kind: Ensuring Successful Change Management in Technology Implementations

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

Activity #: 0204-0000-18-248-L04-P

Activity #: 0204-0000-18-248-L04-T

1.25 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Determine two techniques that can be used to minimize the impact of technology-created changes to current workflows.
- Describe an example of a successful new technology adoption process.
- Given a case study, develop a solution to a change management problem.

Program Chair, Moderator: Doina Dumitru, Pharm.D., M.B.A., FASHP, Director, Professional Services, Becton Dickinson, Dispensing Technologies & Solutions, San Diego, CA

Presenter: Alexander F. Melchert, M.S., B.S., Director of Pharmacy, NewYork-Presbyterian Queens, Flushing, NY

Presenter: Dennis A. Tribble, Pharm.D., B.S., Director, Healthcare Industry Operations, Medication Management Systems, Becton Dickinson, Ormond Beach, FL

4:15 p.m.–4:45 p.m.

(Management Case Study) After the Storm: Navigating Small Volume Parenteral Shortages in a Rural Community Hospital

Activity #: 0204-000-18-365-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Identify strategies a stand-alone, rural community hospital can implement to minimize disruption to hospital operations and patient care during drug shortages.
- Describe how technology systems can be leveraged to minimize the impact to patient care during medication shortages.
- Describe the primary safety issues associated with moving to the IV push route for medication administration.

Presenter: Dennis Killian, Pharm.D., Ph.D., Director of Pharmacy, Peninsula Regional Medical Center, Salisbury, MD

Presenter: Valarie J. Sharma, Pharm.D., Pharmacy Supervisor, Peninsula Regional Medical Center, Salisbury, MD

4:15 p.m.–5:15 p.m.

Waste Not, Want Not! Writing Meaningful Letters of Recommendation

Activity #: 0204-0000-18-242-L04-P

Activity #: 0204-0000-18-242-L04-T

1.00 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Summarize the literature regarding the value and problems with letters of recommendation.
- Apply strategies to write meaningful letters of recommendation.
- Examine the potential impact of purposeful changes to the recommendation process.

Program Chair, Presenter, Moderator: Sarah Nisly, Pharm.D., BCPS, FCCP, Associate Professor, School of Pharmacy & Clinical Specialist, Internal Medicine, Wingate University & Wake Forest Baptist Medical Center, Wingate, NC

Presenter: Alex N. Isaacs, Pharm.D., BCPS, Clinical Assistant Professor and Clinical Pharmacy Specialist, Purdue University College of Pharmacy/Eskenazi Health, Indianapolis, IN

Tuesday, December 4**8:00 a.m.–8:30 a.m.****(Management Case Study) Establishing a Pharmacy-Led Clinical Decision Support Governance Committee**

Activity #: 0204-000-18-366-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Identify the need for optimization of clinical decision support and alert systems within a health-system.
- Describe algorithmic approaches to optimizing alert types and rates.
- Identify critical success factors to optimizing medication alerts.

Presenter: Sunny B. Bhakta, Pharm.D., M.S. Candidate, Pharmacy Administrative Resident, Houston Methodist Hospital, Houston, TX

Presenter: David R. Putney, Pharm.D., M.P.H., BCPS-AQ, Manager of Clinical Pharmacy Services, Houston Methodist Hospital, Houston, TX

8:00 a.m.–9:30 a.m.**Current Trends: Development and Growth of Specialty Pharmacy**

Activity #: 0204-0000-18-250-L04-P

Activity #: 0204-0000-18-250-L04-T

1.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Describe the components of specialty pharmacy practice that are essential for quality care and accreditation.
- Discuss strategies for establishing a specialty pharmacy program, including clinical and financial justification.
- Explain the difference between academic and community organizations.
- State how the scope of services may differ between academic and community organizations.

Program Chair, Moderator: Burnis D. Breland, Pharm.D., M.S., FASHP, Manager, Apexus, Irving, TX

Presenter: Kelley Griffith, Pharm.D., BCPS, Director of Pharmacy and Respiratory Therapy, Kootenai Health, Coeur d'Alene, ID

Presenter: Matthew Malachowski, Pharm.D., BCPS, Supervisor, Specialty Pharmacy Services, UAB Health Systems, Birmingham, AL

Presenter: Lonnie Smith, Pharm.D., Manager Specialty Pharmacy Services, University of Utah Health, Salt Lake City, UT

8:00 a.m.–9:30 a.m.**Individualizing Anticoagulation in the Acutely Ill: A Case-Based Approach**

Activity #: 0204-0000-18-251-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Target Audience:** BCPS, BCCCP

NOTE: This session is part of the Live Intensive Study and BCOP Clinical Sessions packages. All attendees may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. For more information, see page 1564.

Learning Objectives:

- Identify unique characteristics of acutely ill patients that influence the approach to anticoagulation.
- Develop and implement an acute anticoagulation strategy for an acutely ill patient.
- Given a patient case, design a revised anticoagulation regimen and a follow-up assessment plan for an acutely ill patient.

Program Chair, Presenter, Moderator: William Dager, Pharm.D., BCPS, FASHP, FCCM, FCCP, MCCM, Pharmacist Specialist, University of California, Davis Medical Center, Sacramento, CA

Presenter: Michael P. Gulseth, Pharm.D., BCPS, FASHP, Program Director for Anticoagulation Services, Sanford USD Medical Center, Sioux Falls, SD

8:00 a.m.–9:30 a.m.**Pharmacotherapy and Osteoarthritis: A Look at the Evidence**

Activity #: 0204-0000-18-252-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Target Audience:** BCGP

NOTE: This session is part of the Live Intensive Study and BCOP Clinical Sessions packages. All attendees may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. For more information, see page 1564.

Learning Objectives:

- Given a case study, evaluate pain in an older adult patient.
- Given a case study, recommend lifestyle modifications and non-pharmacologic treatment for osteoarthritis pain.
- Design an appropriate osteoarthritis pharmacotherapy treatment regimen based on current evidence and authoritative guidelines.

Program Chair, Presenter, Moderator: Carol Fox, Pharm.D., BCGP, Associate Professor, Pharmacotherapeutics and Clinical Research, University of South Florida College of Pharmacy, Tampa, FL

Presenter: Mary Mihalyo, Pharm.D., B.S., BCPS, Assistant Professor Pharmacy Practice, Duquesne University, Pittsburgh, PA

8:00 a.m.–9:30 a.m.

Unlocking Your Potential in Academic Pharmacy

Planned in cooperation with the American Association of Colleges of Pharmacy

Activity #: 0204-0000-18-253-L04-P

1.50 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Identify trends in pharmacy education that are shaping the workforce of the pharmacy profession.
- Outline the potential benefits, opportunities, and challenges associated with a career in academia.
- Explain the requirements for promotion and tenure that are relevant for clinician educators.
- Apply strategies to enhance one's professional career in an academic setting.

Program Chair, Moderator: Michelle L. Hilaire, Pharm.D., BCACP, BCPS, CDE, FCCP, Clinical Professor, University of Wyoming, Laramie, WY

Presenter: David D. Allen, R.Ph., Ph.D., Dean, University of Mississippi, University, MS

Presenter: Jane Gervasio, Pharm.D., BCNSP, FCCP, Pharmacy Practice Department Chair, Butler University, Indianapolis, IN

Presenter: Nicholas Leon, Pharm.D., BCACP, BCPS, FCCP, Associate Professor of Pharmacy Practice, Thomas Jefferson University, Jefferson College of Pharmacy, Philadelphia, PA

8:00 a.m.–9:30 a.m.

Advancing Comprehensive Medication Management: Successes and Lessons Learned from the A3 Collaborative

Activity #: 0204-0000-18-254-L04-P

1.50 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Describe the fundamental elements of comprehensive medication management (CMM) as it relates to the A3 Collaborative.
- Evaluate three keys to successful implementation of CMM.
- Apply implementation strategies identified in the collaborative to current practice within one's own health system.
- Develop a personal action plan to motivate change in a clinical or operation setting.

Program Chair, Moderator, Presenter: Todd D. Sorensen, Pharm.D., Professor, University of Minnesota College of Pharmacy, Minneapolis, MN

Presenter: Michael Korczynski, Pharm.D., BCACP, Manager of Ambulatory Clinical Pharmacy Services, Allegheny Health Network, Pittsburgh, PA

Presenter: Kyle Turner, Pharm.D., BCACP, Assistant Professor (Clinical), University of Utah College of Pharmacy, Salt Lake City, UT

8:00 a.m.–9:30 a.m.

Boring Is the New Goal: Technology Implementation Keys to Success

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

Activity #: 0204-0000-18-256-L04-P

Activity #: 0204-0000-18-256-L04-T

1.50 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Develop a current workflow process map and compare it to a future electronic health record (EHR) workflow to identify practice gaps.
- Evaluate the difference between functional unit testing and usability testing.
- Recommend concepts that can be reinforced when using process-role training before implementing an EHR.

Program Chair, Moderator: Maritza Lew, Pharm.D., B.S., CPHIMS, PMP, Manager, Core Clinical Systems and Informatics, El Camino Hospital, Mountain View, CA

Presenter: Sylvia Belford, Pharm.D., M.S., CPHIMS, Operations Administrator, Mayo Clinic, Rochester, MN

Presenter: Brian K. Fung, Pharm.D., BCPS, Medication Management Informaticist, Mayo Clinic, Rochester, MN

Presenter: Beju Shah, Pharm.D., M.B.A., Clinical Informatics Pharmacist, Medical University of South Carolina, Charleston, SC

8:00 a.m.–9:30 a.m.

Focus on Triple Aim Objectives: A Population Health Approach to Opioid Use Improvement

Activity #: 0204-0000-18-257-L01-P

1.50 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Discuss Triple Aim framework to reduce high-dose opioid use in patients with chronic, non-malignant pain.
- Evaluate a systems-based approach to opioid prescribing by reviewing data and clinical decision support prompts.
- Evaluate specific clinical scenarios to identify the role of the pharmacist in reducing opioid dose and maximizing pain management strategies.

Program Chair, Moderator, Presenter: Elizabeth D. Bentley, Pharm.D., M.S.J., BCPS, Director, Kaiser Permanente, Portland, OR

Presenter: William D. Gersch, Pharm.D., Clinical Pharmacy Specialist–Pain Management, Kaiser Permanente Colorado, Arvada, CO

Presenter: Quan Nguyen, D.O., Assistant Area Medical Director, Orange County Kaiser Permanente, Chief of Physical Medicine and Rehabilitation Chief of Pain Management, Kaiser Permanente, Orange, CA

8:00 a.m.–9:30 a.m.

Killing Bugs and Saving Drugs Across a Health System: A Multi-Hospital Shared Antimicrobial Stewardship Program

Activity #: 0204-0000-18-258-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Design an innovative plan to provide antimicrobial stewardship services within a single facility or across a multi-hospital network.
- Interpret clinical findings and key decision alerts to identify opportunities for intervention.
- Evaluate facility needs to target stewardship program activities for maximum results and program effectiveness.
- Assess the cost savings and clinical impact of a shared infectious disease pharmacist and integrated antimicrobial stewardship program.

Program Chair, Moderator, Presenter: David Schmidt, Pharm.D., BCPS, DPLA, Director Clinical Pharmacy Services, CHI Health, Omaha, NE

Presenter: Bryan T. Alexander, Pharm.D., AAHIVP, BCPS, Antimicrobial Stewardship Pharmacist, CHI Health, Omaha, NE

Presenter: Dayla M. Boldt, Pharm.D., BCPS-AQ ID, Antimicrobial Stewardship Pharmacist, CHI Health, Omaha, NE

8:00 a.m.–9:30 a.m.

Overcoming Barriers to Dose Individualization in the Information Age: Better Prescribing Through Pharmacometrics

Activity #: 0204-0000-18-259-L04-P

1.50 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Evaluate the clinical utility of pharmacometrics.
- Identify available software to perform dose individualization at the bedside.
- Apply pharmacometric principles to patient cases using available software and derive optimal dosing regimens.
- Evaluate barriers to widespread use of pharmacometrically derived dosing regimens.
- Recommend strategies to overcome barriers to using pharmacometrically-derived dosing regimens.

Program Chair, Moderator: Marc H. Scheetz, Pharm.D., M.S., BCPS-AQ ID, Professor, Midwestern University, Downers Grove, IL and Infectious Diseases Pharmacist, Northwestern Memorial Hospital, Chicago, IL

Presenter: Janel Renee Long-Boyle, Pharm.D., Ph.D., Associate Professor, UCSF, San Francisco, CA

Presenter: Michael Neely, M.D., M.Sc., FCP, Chief, Infectious Diseases, Children's Hospital Los Angeles, University of Southern California, Los Angeles, CA

Presenter: Nikolas J. Onufrak, Pharm.D., Assistant Director, Pharmacometrics, Institute for Clinical Pharmacodynamics, Schenectady, NY

8:00 a.m.–10:00 a.m.**(BCOP Clinical Sessions) Advances in Cardio-Oncology: Prevention and Management of Cardiovascular Complications Associated with Anticancer Therapies***Planned in cooperation with the American College of Clinical Pharmacy*

Activity #: 0217-9999-18-158-L01-P

2.00 Contact Hours | Application-based

Educational Level: Advanced**Target Audience:** BCOP

NOTE: This session is part of the Live Intensive Study and BCOP Clinical Sessions packages. All attendees may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. For more information, see page 1564.

Learning Objectives:

- Given a description of a specific patient receiving cancer chemotherapy, develop plans for prevention and treatment of cancer chemotherapy-associated heart failure.
- Given a description of a specific patient receiving cancer chemotherapy, develop plans for prevention and treatment of cancer chemotherapy-associated vascular toxicities such as hypertension, stroke, and coronary artery disease.
- Given a description of a specific patient receiving cancer chemotherapy, develop plans for prevention and treatment of cancer chemotherapy-associated arrhythmias.

Presenter: Sandra Cuellar, Pharm.D., BCOP, Clinical Oncology Pharmacist, Clinical Assistant Professor, University of Illinois Hospital & Health Sciences System, University of Illinois at Chicago College of Pharmacy, Chicago, IL

Presenter: Jo E. Rodgers, Pharm.D., BCPS-AQ Cardiology, FAHA, FCCP, FHFSA, FNAP, Clinical Associate Professor, UNC Eshelman School of Pharmacy, Chapel Hill, NC

Presenter: James E. Tisdale, Pharm.D., BCPS, FAHA, FAPhA, FCCP, FNAP, Professor, Purdue University, Indianapolis, IN

8:00 a.m.–10:00 a.m.**Management Pearls 2018***Planned in cooperation with the ASHP Section of Pharmacy Practice Managers*

Activity #: 0204-0000-18-260-L04-P

2.00 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Identify one initiative that will improve clinical pharmacy services at your organization.
- Describe one performance improvement activity that can be used to improve operational efficiency in the pharmacy.
- List two healthcare environment factors that require pharmacy departments to adapt operations to meet changing health-system priorities.

Program Chair, Moderator: Christopher R. Fortier, Pharm.D., FASHP, Chief Pharmacy Officer, Massachusetts General Hospital, Boston, MA

Presentations:**Keeping Your CLEANroom (and Compounds) CLEAN: Checklist, Look, Evaluate, Address, Note**

Kevin Hansen, Pharm.D., M.S., BCPS, Assistant Director of Pharmacy, Sterile Products, Special Formulations, Perioperative Services, Moses H. Cone Memorial Hospital, Greensboro, NC

Three Strategies to Implement Closed System Transfer Devices (CSTDs) in a Financially Stretched Environment for USP Chapter <800> Compliance

Jevon J. Oliver, Pharm.D., M.S., Manager, Perioperative Pharmacy Services, Massachusetts General Hospital, Boston, MA

Sterile Products Oversight—It's Bigger than the Department of Pharmacy

Melissa Ortega, Pharm.D., M.S., Director, Inpatient Pharmacy Operations and Pediatrics, Tufts Medical Center, Boston, MA

Using Data Visualization Software to Optimize the Management of Drug Shortages

Benjamin Coles, Pharm.D., PGY1/PGY2 Health-System Pharmacy Administration Resident, Mission Hospital, Asheville, NC

Caring for Patients is Our Specialty

Samaneh T. Wilkinson, Pharm.D., M.S., Director of Pharmacy and Ambulatory Care Services, The University of Kansas Health System, Lenexa, KS

Clinical Pharmacy Services in Specialty Pharmacy: A Sui Generis Opportunity

Bernice Man, Pharm.D., Practice Coordinator, Northwestern Medicine, Chicago IL

Implementing an Intelligent Drug Diversion Detection Solution

Joseph D. Frey, Pharm.D., R.Ph., PRS, Compliance Supervisor, Department of Pharmacy Services, The Children's Hospital of Philadelphia, Philadelphia, PA

Run Charts, Run—Winning the Nurse-Controlled Substance Race

Matthew Sapko, Pharm.D., M.S., Director, Inpatient Pharmacy Services, Nationwide Children's Hospital, Hilliard, OH

Transforming Insight into Action

Ashley Pappas, Pharm.D., M.H.A., BCPS, Clinical Manager, Medication Use Advancement, UNC Hospitals, Durham, NC

Who's the Boss? Governance of Medications Within Order Sets

Kathy Koehl, Pharm.D., BCNSP, BCPS, System Director, Clinical Pharmacy Services, Riverside Health System, Newport News, VA

Ready, Set, Hike! Tackling Prior Authorizations with a Daily, Multi-D Huddle

Heather Jones, Pharm.D., M.S., Pharmacy Manager, Oncology Services, University of Wisconsin Health, Middleton, WI

Financial Toxicity—Who's (De)Fault Is It?

Lindsey R. Kelley, Pharm.D., M.S., Director Ambulatory Pharmacy Services, University of Michigan Health System, Michigan Medicine, Ann Arbor, MI

Building a Culture of Employee Engagement

Osama Tabbara, R.Ph., BCNSP, EMBA, Executive Director, Department of Pharmacy Services, Cleveland Clinic Abu Dhabi, Abu Dhabi, United Arab Emirates

Med Wreck: Leveraging Pharmacy Technicians in Controlled Substances Management

Mary-Haston Leary, Pharm.D., M.S., BCPS, Clinical Manager, Analytics, Outcomes, and Impact, UNC Medical Center, Chapel Hill, NC

Increasing Pharmacy Technician Independence: Getting the Most Out of Your Skill Mix

Francine de Stoppelaar, Pharm.D., M.Sc., CertBA, Director of Pharmacy, Cleveland Clinic London, London, England, United Kingdom

Improving the Efficiency of Medication List Preparation with Automation

James M. (Mike) Burr, B.S., Director of Pharmacy, Cardinal Health/Marshall Medical Center—North, Guntersville, AL

8:00 a.m.–10:00 a.m.

Preparing for a New Congress: Key Policy Issues Impacting Health-System Pharmacy

Activity #: 0204-0000-18-263-L03-P

Activity #: 0204-0000-18-263-L03-T

2.00 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Identify current federal regulatory and legislative issues impacting health-system pharmacists in a variety of settings.
- Discuss current regulatory and legislative issues in the states that impact health-system pharmacists.
- Describe key issues facing health-system pharmacists in 2019.

Program Chair, Presenter: Joseph Hill, M.A., Director, Government Relations, ASHP, Bethesda, MD

Moderator: Kasey Thompson, Pharm.D., M.S., M.B.A., Chief Operating Officer and Senior Vice President, ASHP, Bethesda, MD

Presenter: Nicholas Gentile, B.A., Director, State Grassroots Advocacy and Political Action, ASHP, Bethesda, MD

Presenter: Christopher Topoleski, B.A., Director, Federal Legislative Affairs, ASHP, Bethesda, MD

8:00 a.m.–9:15 a.m.

Implementation of an Integrated Glycemic Management Software System to Improve Patient Safety

Planned in cooperation with the ASHP Section of Inpatient Care Practitioners

Activity #: 0204-0000-18-239-L05-P

1.25 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Describe the advantages and disadvantages of an integrated glycemic management software system for acute care hyperglycemia management.
- Given a scenario, determine important considerations prior to, and after, implementation of an integrated glycemic management software system.
- Evaluate medication safety best practices that are impacted by integrated glycemic management software systems.

Program Chair, Moderator, Presenter: Sarah Stephens, Pharm.D., BCPS, CPPS, Medication Safety Coordinator, Kaweah Delta Health Care District, Visalia, CA

Presenter: Christopher M. Patty, DNP, RN, CPPS, Director of Research, Kaweah Delta Health Care District, Visalia, CA

8:45 a.m.–9:15 a.m.

(Management Case Study) Implementing a Cost Neutral Centralized Order Entry/Verification Program Across an Integrated Delivery Network

Activity #: 0204-000-18-367-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Describe approaches hospital networks may use to implement a centralized order entry/verification program.
- Define measurements of pharmacist efficiency and effectiveness in a centralized order entry/verification model.
- Explain how centralized order entry/verification can effectively improve efficiencies and expand pharmacy practice without increasing staff.

Presenter: John M. Guzallis, Pharm.D., BCPS, Director of Pharmacy Services, CHI Health, Omaha, NE

Co-Author: Gregory L. Schardt, Pharm.D., BCPS, Division Director of Pharmacy Operations, CHI Health, Omaha, NE

9:00 a.m.–11:00 a.m.

Drug Payment 2019: Your Actions Are as Vital as the Rules

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

Activity #: 0204-0000-18-261-L04-P

Activity #: 0204-0000-18-261-L04-T

2.00 Contact Hours | Knowledge-based

Educational Level: Intermediate**Learning Objectives:**

- Explain 2019 changes to Medicare reimbursement.
- Identify operational changes required to implement 2019 changes to medicare reimbursement.
- Develop strategies for ensuring accuracy and completeness of data submitted for reimbursement and analytics.
- Describe the business model transition from fee-for-service to capitated bundled payments or episode of care payments and the impact on revenue cycle management.

Program Chair, Presenter, Moderator: Bonnie Kirschenbaum, M.S., B.S., FASHP, FCSHP, Consultant and Columnist, Boulder, CO

Presenter: Girish Dighe, Pharm.D., M.S., Director of Pharmacy, Business Services, OhioHealth Corporate Pharmacy Services, Columbus, OH

Presenter: Beth Roberts, J.D., Partner, Hogan Lovells US LLP, Washington, DC

9:00 a.m.–11:00 a.m.

USP Chapter <797>: Let's Tackle the Non-Compliant Elements

Activity #: 0204-0000-18-262-L03-P

Activity #: 0204-0000-18-262-L03-T

2.00 Contact Hours | Knowledge-based

Educational Level: Intermediate**Learning Objectives:**

- List the top five non-compliant areas in sterile compounding.
- Identify major elements of USP Chapter <797> that are likely to change.
- Cite how beyond-use dates depend on the type of compounding facility.
- List elements that should be documented in your certification report.
- State steps to be taken when personnel or environmental monitoring reveals excursions.

Program Chair, Moderator, Presenter: Patricia C. Kienle, B.S.Pharm., M.P.A., FASHP, Director, Accreditation and Medication Safety, Cardinal Health Innovative Delivery Solutions, Wilkes-Barre, PA

Presenter: Eric S. Kastango, B.S.Pharm., M.B.A., FASHP, President and CEO, Clinical IQ, LLC and CriticalPoint, LLC, Madison, NJ

9:30 a.m.–10:00 a.m.

(Management Case Study) Standardization of Technology and Formulary in a Growing Health System: Lessons Learned

Activity #: 0204-000-18-368-L04-P

Activity #: 0204-000-18-368-L04-T

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Explain how to conduct a current state assessment to implement standard technology.
- Identify the importance of a governance process to review requests and support change.
- Define the importance of formulary standardization.

Presenter: Amber Jones, R.Ph., Manager, Pharmacy Informatics, University Hospitals, Cleveland, OH

Presenter: Indrani Kar, Pharm.D., Drug Policy/Formulary Specialist, University Hospitals, Cleveland, OH

9:30 a.m.–11:00 a.m.**Updates in Transplantation: Current Challenges in Caring for the Hepatitis C Virus Positive Patient**

Activity #: 0204-0000-18-264-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Describe the outcomes of solid organ transplant in patients with hepatitis C virus (HCV).
- Assess the advantages and disadvantages of initiating treatment for HCV in a pre-transplant candidate.
- Select and recommend HCV treatment for a solid organ transplant recipient.
- Design an immunosuppression regimen for a transplant recipient with HCV.

Program Chair, Moderator: Erin H. Ticehurst, Pharm.D., Associate Director, Professional Practice, Pennsylvania Hospital, Philadelphia, PA

Presenter: Kimberly Boyle, Pharm.D., BCPS, Cardiothoracic Transplant Clinical Pharmacist, Vanderbilt University Medical Center, Nashville, TN

Presenter: Srijana D. Jonchhe, Pharm.D., Clinical Pharmacy Specialist–Solid Organ Transplant, University of Maryland Medical Center, Baltimore, MD

Presenter: Vicky Kuo, Pharm.D., Clinical Pharmacy Specialist–Solid Organ Transplant, University of California, San Francisco, San Francisco, CA

9:45 a.m.–11:00 a.m.**What the Cough? Management and Controversies of Common Pediatric Infections***Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-265-L01-P

1.25 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Evaluate appropriate therapy of common pediatric infections.
- Evaluate therapy modifications for common infections in pediatric obesity.
- Given a patient case, recommend appropriate pharmacotherapy adjustments.

Program Chair, Presenter, Moderator: Stephanie Weightman, Pharm.D., BCPPS, BCPS, Clinical Pharmacist–Emergency Department, Children's Health–Children's Medical Center Dallas, Garland, TX

Presenter: Kyana D. Stewart, Pharm.D., M.S., BCPS, Clinical Pharmacy Specialist, Infectious Diseases, Adult & Pediatric Infectious Diseases, Ochsner Medical Center New Orleans, New Orleans, LA

10:00 a.m.–11:00 a.m.**Can a Vitamin or Antioxidant a Day Keep the Sepsis Away?***Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-267-L01-P

1.00 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Describe the mechanisms of action, toxicities, and pharmacokinetic considerations of vitamin C, thiamine, selenium, zinc, and vitamin E in sepsis.
- Evaluate recent literature describing the effect of vitamin or antioxidant supplementation on outcomes in patients with sepsis.
- Recommend appropriate vitamin or antioxidant supplements in patients with sepsis.

Program Chair, Moderator, Presenter: Craig B. Whitman, Pharm.D., BCCCP, BCPS, Clinical Associate Professor of Pharmacy, Temple University School of Pharmacy, Cherry Hill, NJ

Presenter: Lee Skrupky, Pharm.D., Pharmacy Education Manager, Mayo Clinic, Rochester, MN

10:00 a.m.–11:00 a.m.**From Pillboxes to Smart Pills: How Digital Health Is Changing Medication Adherence**

Activity #: 0204-0000-18-268-L04-P

Activity #: 0204-0000-18-268-L04-T

1.00 Contact Hours | Knowledge-based

Educational Level: Intermediate**Learning Objectives:**

- Explain the expanding role of digital health in medication adherence.
- Identify key studies that demonstrate the role smart adherence technology can play in clinical practice.
- List smart medication devices and platforms.

Program Chair, Presenter, Moderator: Timothy D. Aungst, Pharm.D., Associate Professor, MCPHS University, Worcester, MA

10:00 a.m.–11:00 a.m.**The National Diabetes Prevention Program: Engaging Pharmacists to Prevent Type 2 Diabetes**

Activity #: 0204-0000-18-269-L04-P

1.00 Contact Hours | Knowledge-based

Educational Level: Intermediate**Learning Objectives:**

- Describe the National Diabetes Prevention Program.
- Identify ways that pharmacists can support the National Diabetes Prevention Program within their individual practice settings.

- Identify ways to identify and recruit eligible participants for your Centers for Disease Control and Prevention (CDC)-recognized type 2 diabetes prevention program.
- Describe the benefits of a CDC-recognized type 2 diabetes prevention program to administration and stakeholders to gain support.

Program Chair, Moderator: Robert Montierth, Pharm.D., M.B.A., CDE, Project Officer, Centers for Disease Control and Prevention, Atlanta, GA

Presenter: Rebekah Kimberlin, Pharm.D., Clinical Pharmacist, Diabetes Educator, Jefferson Community Health & Life, Fairbury, NE

10:00 a.m.–11:00 a.m.

First You See It, Now You Don't: An Enterprise Approach to Managing Drug Shortages

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

Activity #: 0204-0000-18-270-L04-P

Activity #: 0204-0000-18-270-L04-T

1.00 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Discuss methods of preserving continuity of care during drug shortages.
- Identify strategies for integrating consistent practice across an enterprise during periods of drug shortages.
- Describe the role of inter- and intradepartmental communication throughout scarcity of resources shortages.

Program Chair: Ashley M. Ramp, Pharm.D., M.S., M.Ed., Inpatient Pharmacy Manager, Cleveland Clinic, Cleveland, OH

Moderator: James Blackmer, Pharm.D., M.P.A., PGY2 Health System Pharmacy Administration Resident, Cleveland Clinic, Cleveland, OH

Panelist: Scott J. Knoer, Pharm.D., M.S., FASHP, Chief Pharmacy Officer, Cleveland Clinic, Cleveland, OH

Panelist: Chris Snyder, R.Ph., Drug Information Pharmacist, Shortages and Recalls, Cleveland Clinic, Cleveland, OH

Panelist: Angela Yaniv, Pharm.D., Assistant Director, Cleveland Clinic, Cleveland, OH

10:00 a.m.–11:00 a.m.

Drug Dosing in the Obese Emergency Department Patient: How High Can You Go?

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-271-L01-P

1.00 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Describe principles of pharmacokinetics that are involved for medication dosing in the obese patient in the emergency department.
- Evaluate the published literature that supports dosing recommendations.
- Given a clinical situation, recommend the appropriate dosing weight and dose for the medication dose.

Program Chair, Moderator, Presenter: David E. Zimmerman, Pharm.D., BCCCP, BCPS, Assistant Professor of Pharmacy, Duquesne University School of Pharmacy, Pittsburgh, PA

Presenter: Craig Cocchio, Pharm.D., BCPS, Emergency Medicine Clinical Pharmacist, CHRISTUS Mother Frances Health System, Tyler, TX

10:00 a.m.–11:00 a.m.

Leveraging Business Intelligence to Create a Proactive and Comprehensive Diversion Monitoring Program

Activity #: 0204-0000-18-272-L04-P

Activity #: 0204-0000-18-272-L04-T

1.00 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Explain regulatory recommendations and requirements related to diversion surveillance and management.
- Describe data sources that can be used to monitor for diversion during medication dispensing and administration.
- Discuss business intelligence and how it can be applied to diversion monitoring.
- Recall examples of leveraging data from business intelligence to implement a proactive diversion monitoring system.

Program Chair, Moderator: Matthew J. Hoover, Pharm.D., M.S., BCCCP, BCPS, Pharmacy Manager, Controlled Substances, Surgical Services, and Pain Management, Cleveland Clinic, Cleveland, OH

Presenter: Eric Hixson, Ph.D., M.B.A., Senior Program Administrator, Cleveland Clinic, Lyndhurst, OH

10:00 a.m.–11:00 a.m.**Using Population Health Initiatives to Expand Pharmacist Services***Planned in cooperation with the American Pharmacists Association*

Activity #: 0204-9999-18-274-L04-P

1.00 Contact Hours | Application-based

Educational Level: Advanced**Target Audience:** BCACP, BCGP

NOTE: This session is part of the Live Intensive Study and BCOP Clinical Sessions packages. All attendees may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. For more information, see page 1564.

Learning Objectives:

- Analyze priority areas of population health and related metrics for pharmacist impact.
- Evaluate implementation strategies of pharmacist resources to improve population health.
- Evaluate population health initiatives supporting pharmacist expansion.

Program Chair, Presenter, Moderator: Matthew Kostoff, Pharm.D., BCACP, BCPS, Clinical Lead Pharmacist, Population Health, Summa Health, Akron, OH

Presenter: Kelly Epplen, Pharm.D., B.S.Pharm., BCACP, FASHP, Associate Professor, Clinical Pharmacy Practice, James L. Winkle College of Pharmacy, University of Cincinnati, Cincinnati, OH

10:15 a.m.–10:45 a.m.**(Management Case Study) The Value of Cost Transparency During Electronic Medication Prescribing**

Activity #: 0204-000-18-369-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Describe the impact of real-time cost display on medication prescribing behavior.
- Explain the process for implementing lower medication alternatives into an electronic health record.
- Identify future opportunities for cost transparency at a healthcare system.

Presenter: Stella Kim, Pharm.D., Pharmacist Resident, Houston Methodist Hospital, Houston, TX

2:00 p.m.–2:30 p.m.**(Management Case Study) Reimbursement Review of an Outpatient Infusion Clinic in a Critical Access Hospital**

Activity #: 0204-000-18-370-L04-P

Activity #: 0204-000-18-370-L04-T

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Describe the data needed to conduct a reimbursement review on medications.
- Discuss the impact of 340B pricing on medication net reimbursement in an outpatient infusion clinic affiliated with a critical access hospital.
- Describe the role of critical access status in determining the profitability of an outpatient infusion clinic.

Presenter: Andrew M. Aldred, Pharm.D., M.B.A., Director of Pharmacy and Materials Management, Cardinal Health, Angola, IN

2:00 p.m.–3:00 p.m.**Stop That Bleed! Implementing a Reversal Strategy for the Direct Oral Anticoagulants**

Activity #: 0204-0000-18-275-L01-P

1.00 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Given a patient case, evaluate current approaches and limitations to therapies used to reverse the effects of direct-acting oral anticoagulants.
- Given examples, describe the process of assessing, choosing, and implementing a reversal plan with follow-up and revisions.
- Develop a strategy for rapid reversal of a direct oral anticoagulant.

Program Chair, Moderator: William Dager, Pharm.D., BCPS, FASHP, FCCM, FCCP, MCCM, Pharmacist Specialist, University of California, Davis Medical Center, Shingle Springs, CA

Presenter: John Fanikos, M.B.A., B.S., Executive Director of Pharmacy, Partners Health System, Boston, MA

2:00 p.m.–3:00 p.m.**The Rise of Sexually Transmitted Infections: An Alarming Trend of a Familiar Foe***Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-280-L01-P

1.00 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Explain recent updates to the sexually transmitted infection (STI) treatment guidelines.
- Identify reasons behind the increase in STIs in the United States over the last three years.
- Given a patient case, develop an appropriate treatment strategy for a patient with an STI.

Program Chair, Moderator: Michael Gabay, Pharm.D., J.D., BCPS, Clinical Associate Professor, University of Illinois at Chicago, Chicago, IL

Presenter: Thomas D. Chiampas, Pharm.D., AAHIVP, BCPS, Clinical Assistant Professor/Clinical Pharmacist, University of Illinois at Chicago College of Pharmacy, Chicago, IL

Presenter: Danielle Colayco, Pharm.D., M.S., Director of Health Outcomes & Value Strategy, Komoto Healthcare, Bakersfield, CA

2:00 p.m.–3:30 p.m.

Evidence-Based Decision Making in Selected Pediatric and Neonatal Critical Care Cases

Activity #: 0204-0000-18-276-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced

Target Audience: BCPPS

NOTE: This session is part of the Live Intensive Study and BCOP Clinical Sessions packages. All attendees may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. For more information, see page 1564.

Learning Objectives:

- Select a first-line opioid and sedative infusion strategy for a patient in the neonatal intensive care unit (NICU) or the pediatric intensive care unit (PICU).
- Given a patient case, develop a sedation and analgesia infusion regimen to prevent opioid tolerance and delirium in the NICU or PICU.
- Given a patient case, determine the most appropriate inotrope or vasopressor for a patient with fluid-refractory shock.
- Given a patient case, design a corticosteroid regimen for a patient with septic shock with adrenal insufficiency.
- Given a patient case, determine the role of inhaled nitric oxide to treat a patient with a pulmonary hypertension crisis in the PICU.

Program Chair, Presenter, Moderator: Peter N. Johnson, Pharm.D., BCPPS, BCPS, FCCM, FPPAG, Associate Professor of Pharmacy Practice, University of Oklahoma College of Pharmacy, Oklahoma City, OK

Presenter: Kaitlin Hughes, Pharm.D., BCPPS, Clinical Pharmacist Pediatric Intensive Care, Riley Hospital for Children at IU Health, Indianapolis, IN

Presenter: Evan Z. Ramsey, Pharm.D., BCPPS, Clinical Pharmacy Specialist and Residency Programs Director, Children's Hospital of Philadelphia, Philadelphia, PA

2:00 p.m.–3:30 p.m.

Prevention and Management of Drug-Induced QT Interval Prolongation and Torsades de Pointes

Activity #: 0204-0000-18-277-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Given a patient with drug-induced torsades de pointes (TdP), distinguish risk factors for drug-induced QTc interval prolongation and TdP and their contribution to the occurrence of TdP.
- Given a patient with drug-induced TdP, describe how this arrhythmia could have been prevented.
- Assess the influence of emerging predictive analytics (validated QT interval prolongation risk scores, clinical decision support systems) on the risk of drug-induced QT interval prolongation.
- Given a patient with drug-induced TdP, develop a patient-specific treatment regimen.

Program Chair, Presenter, Moderator: James E. Tisdale, Pharm.D., BCPS, FACC, FAHA, FAPhA, FCCP, FNAP, Professor, College of Pharmacy, Purdue University, Indianapolis, IN

Presenter: Katy E. Trinkley, Pharm.D., BCAP, FCCP, Associate Professor, Skaggs School of Pharmacy & Pharmaceutical Sciences, University of Colorado, Aurora, CO

2:00 p.m.–3:30 p.m.

Ensuring Regulatory Success with USP Compounding Standards: <797>, <795>, <800>

Planned in cooperation with the United States Pharmacopeia

Activity #: 0204-0000-18-278-L03-P

Activity #: 0204-0000-18-278-L03-T

1.50 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Describe the most common Joint Commission compounding survey findings of 2018.

- Describe how United States Pharmacopeia (USP) compounding standards <797>, <795>, and <800> impact patient and provider safety.
- Given a scenario, evaluate your own organizational implementation of USP compounding standards to identify areas of risk and opportunities for improvement.
- Given a scenario, outline organizational best practices for preparing and passing external compliance surveys.
- Identify strengths and challenges in your healthcare organization for successful implementation of USP standards.

Program Chair, Moderator: Jami S. Earnest, Pharm.D., MS-HQS, BCPP, Head, Healthcare Quality & Safety, Strategic Marketing and Program Operations, U.S. Pharmacopeia, Rockville, MD

Presenter: Robert C. Campbell, Pharm.D., Pharmacist, Standards Interpretation, The Joint Commission, Oakbrook Terrace, IL

Presenter: Jeanne Sun, Pharm.D., Manager and Scientific Liaison, U.S. Pharmacopeia, Rockville, MD

2:00 p.m.–3:30 p.m.

Dual Diagnosis: The Quandary of Chronic Pain, Chronic Opioids, Medication-Assisted Therapy, and Recovery

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

Activity #: 0204-0000-18-279-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Given patient cases with opioid use disorder and chronic non-cancer pain requiring chronic opioid therapy, identify the clinical characteristics of methadone that make this medication the choice to treat opioid use disorder and chronic non-cancer pain.
- Given patient cases with opioid use disorder and chronic non-cancer pain requiring chronic opioid therapy, identify the clinical characteristics of buprenorphine that make this medication the choice to treat opioid use disorder and chronic non-cancer pain.

- Given patient cases with opioid use disorder and chronic non-cancer pain requiring chronic opioid therapy, distinguish patient characteristics that help determine which opioid is the best choice for which patient-prescribed, medication-assisted therapy.
- Given patient cases with opioid use disorder and chronic non-cancer pain, develop an algorithm for selecting opioids to treat opioid use disorder and chronic non-cancer pain that impacts recovery least.

Program Chair, Moderator: Ernest J. Dole, Pharm.D., FASHP, Clinical Pharmacist, University of New Mexico Hospitals, Albuquerque, NM

Presenter: Robert A. McIntire Sr., M.A., CACIII, Director, Colorado Treatment Services, Colorado Springs, CO

2:00 p.m.–3:30 p.m.

HIT-ing the Crisis on Its Head: Examining the Use of Health Information Technology to Change Opiate Prescribing Practices

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

Activity #: 0204-0000-18-281-L04-P

1.50 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Identify stakeholders that should be engaged in the development of opioid prescribing workflows and interventions.
- Compare and contrast ways in which policies and recommendations can be incorporated into clinician workflow using health information technology.
- Given a scenario, demonstrate how data and analytics can be used to monitor prescribing practices.

Program Chair, Moderator, Presenter: Asha L. Kalichira, Pharm.D., M.S., Applications Analyst, Cedars-Sinai Health System, Los Angeles, CA

Presenter: Rachel Mashburn, Pharm.D., M.P.H., Senior Manager, Pharmacy Operations, Cedars-Sinai Medical Network, Los Angeles, CA

Presenter: Rahim Merchant, Pharm.D., Clinical Pharmacist Informaticist, OhioHealth, Dublin, OH

2:00 p.m.–3:30 p.m.

Product Shortages: Unexpected Safety Breaches from Product Interchanges

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners and the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-282-L05-P

1.50 Contact Hours | Application-based

Educational Level: Intermediate**Learning Objectives:**

- Evaluate factors that should be considered to avoid unintended safety breaches when substituting products during a shortage.
- Given a scenario, determine if changes are necessary in the compounding or administration protocol when substituting one brand of amino acid for another in parenteral nutrition.
- Discuss factors that may affect patient safety when one formulation of a given drug is substituted for a different formulation.

Program Chair, Presenter, Moderator: Carol J. Rollins, Pharm.D., M.S., R.D., BCNSP, CNSC, FASHP, FASPEN, Clinical Professor, University of Arizona College of Pharmacy, Tucson, AZ

Presenter: Barbara Petroff, M.S., R.Ph., FASHP, Principal, ShawlerPetroffLLC, Livonia, MI

Presenter: Amber Verdell, Pharm.D., APh, BCNSP, BCPS, CNSC, Assistant Professor, Pharmacy Practice, West Coast University School of Pharmacy, Los Angeles, CA

2:00 p.m.–3:30 p.m.

Let Them Know You Are Worth It! Risk Stratifying Prescribing Errors

Activity #: 0204-0000-18-283-L04-P

Activity #: 0204-0000-18-283-L04-T

1.50 Contact Hours | Application-based

Educational Level: Intermediate**Learning Objectives:**

- Describe the importance of creating a documentation system to capture prescribing errors.
- Redesign your organizational system to include a potential severity scale for documented interventions.
- Develop a plan to share your organization's pharmacy interventions with your administration.

Program Chair, Moderator, Presenter: Duong Luong, Pharm.D., BCPS, FCSHP, Medication Safety/Transitions of Care Manager, Cedars-Sinai Medical Center, Los Angeles, CA

Presenter: Lydia E. Noh, Pharm.D., BCPS, Manager, Cedars-Sinai Medical Center, Los Angeles, CA

Presenter: Rita Shane, Pharm.D., FASHP, FCSHP, Chief Pharmacy Officer and Professor of Medicine, Cedars-Sinai Medical Center, Los Angeles, CA

2:00 p.m.–3:30 p.m.

A Look at Psychiatric Pharmacogenomics in Practice

Planned in cooperation with the American Pharmacists Association

Activity #: 0204-9999-18-296-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Target Audience:** BCACP, BCGP

NOTE: This session is part of the Live Intensive Study and BCOP Clinical Sessions packages. All attendees may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. For more information, see page 1564.

Learning Objectives:

- Given the results of pharmacogenomic testing, provide patient-specific recommendations for antidepressant and antipsychotic use.
- Interpret pharmacogenomic results and recommend appropriate therapy for geriatric patients with depression.
- Compare Clinical Pharmacogenomics Implementation Consortium (CPIC) guideline recommendations with interpretation results from a commercial laboratory.

Program Chair, Presenter, Moderator: Vicki L. Ellingrod, Pharm.D., FCCP, Associate Dean for Research and Graduate Education, University of Michigan College of Pharmacy, Ann Arbor, MI

Presenter: Kristen Ward, Pharm.D., Clinical Assistant Professor, University of Michigan College of Pharmacy, Ann Arbor, MI

2:00 p.m.–4:00 p.m.**(BCOP Clinical Sessions) Do You Immuno? Supporting Patients with Advanced Malignancy Receiving Immunotherapy—From Symptom Management to Effective Communication and Beyond!***Planned in cooperation with the American College of Clinical Pharmacy*

Activity #: 0217-9999-18-165-L01-P

2.00 Contact Hours | Application-based

Educational Level: Advanced**Target Audience:** BCOP

NOTE: This session is part of the Live Intensive Study and BCOP Clinical Sessions packages. All attendees may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. For more information, see page 1564.

Learning Objectives:

- List current indications for immunotherapy in oncology.
- Summarize potential adverse effects of immunotherapies.
- Review new ASCO and ESMO Guidelines on supportive care management.
- Select and monitor steroid therapy for the treatment of immunotherapy-related adverse effects, including agent, dose, and supportive management of steroid-related adverse effects.
- Develop a supportive care plan for a patient experiencing adverse effects from immunotherapy.
- Explain the ethical considerations around use of immunotherapies in advanced illness.
- Given a patient case, perform a short, effective counseling session pertaining to initiation and monitoring for patients starting immunotherapy treatments.

Presenter: Tanya J. Uritsky, Pharm.D., BCPS, CPE, Clinical Pharmacy Specialist Pain Management and Palliative Care, Hospital of the University of Pennsylvania, Philadelphia, PA

Presenter: Jenna M. Carmichael, Pharm.D., BCOP, Clinical Pharmacist, MTDM Oral Chemotherapy; RPD, PGY2 Oncology Residency Program, Geisinger Health, Dalton, PA

2:00 p.m.–4:00 p.m.**Clinical Pearls 2018***Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-284-L01-P

2.00 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Discuss clinical scenarios that might not be widely used or published.
- Identify novel practice options for patient care in various health-system settings.
- Describe medication management strategies in difficult or controversial patient care situations.
- Identify clinical information that can be applied to your work setting.

Program Chair: Suprat Saely, Pharm.D., BCPS, FCCM, Safety Evaluator, U.S. Food and Drug Administration, Silver Spring, MD

Moderator: Bruce R. Canaday, Pharm.D., FAPhA, FASHP, Dean, St. Louis College of Pharmacy, St. Louis, MO

Presentations:**Low Dose Ketamine—An Alternative for Opioid Pain Control?**

Tricia Meyer, Pharm.D., M.S., Regional Director, Baylor Scott & White Medical Center-Temple, Temple, TX

ID Alphabet Soup

Michelle E. Allen, Pharm.D., Aph, BCPS, FASHP, FCCM, Pharmacist, St. Joseph Health Memorial Hospital/Sonoma West Medical Center, Santa Rosa, CA

Under Pressure to Stop Pressors? Oral Midodrine to Facilitate Liberation from the ICU

John J. Radosevich, Pharm.D., BCCCP, BCPS, Clinical Pharmacy Specialist—Medical Intensive Care Unit, St. Joseph's Hospital and Medical Center, Phoenix, AZ

Can You C the DIFFerence? EXTEND Fidaxomicin to Fix the Problem

Andrea Nei, Pharm.D., BCCCP, BCPS, Critical Care Clinical Pharmacist, Mayo Clinic Hospital—Rochester, Rochester, MN

Tacroli-What? How to Select the Right Product

Lisa Potter, Pharm.D., BCPS, FAST, FCCP, Clinical Coordinator, Transplant Pharmacy Services, University of Chicago Medicine, Chicago, IL

The Nocebo Effect

Gregory Heindel, Pharm.D., BCPS, Clinical Specialist, Drug Information and Policy, University of North Carolina Hospitals, Chapel Hill, NC

Help...There Is an Impella in My ICU! Strategies for Anticoagulation Management

Stephanie B. Edwin, Pharm.D., BCPS-AQ Cardiology, Clinical Pharmacy Specialist–Cardiac Intensive Care, Ascension St. John Hospital, Detroit, MI

Donor Disease Transmission what's real what is not

Bailey Wise, Pharm.D., BCPS, Clinical Specialist, Abdominal Transplant, Ochsner Medical Center, New Orleans, LA

Management of Oral Anticoagulation Therapy After Gastrointestinal Bleeding

Kazuhiko Kido, Pharm.D., M.S., BCPS, Assistant Professor of Pharmacy Practice, South Dakota State University, Sioux Falls, SD

SGLT2 Inhibitor Adjunct Therapy in Type 1 Diabetes: Are the Benefits Worth the Risks?

Sarah L. Anderson, Pharm.D., BCACP, BCPS, FCCP, Associate Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

Pain in the Butt: Rectal Administration of Opioids for Pain Management

Jenny He, Pharm.D., BCPS, Medical-Surgical Pharmacist Specialist, Residency Program Coordinator, MultiCare Health System Tacoma General Hospital, Tacoma, WA

Don't Roll the Dice with Spice: Cardiotoxicities of Synthetic Marijuana

Michael J. Scalese, Pharm.D., BCPS, CACP, Cardiology Clinical Pharmacy Specialist, Palmetto Health Richland, Columbia, SC

How to Drop It Low: Practical Tips for Heart Rate Control in Atrial Fibrillation

Jenny Koehl, Pharm.D., BCPS, Emergency Medicine Pharmacist, Massachusetts General Hospital, Boston, MA

HCV Treatment Updates

Jerika T. Lam, Pharm.D., AAHIVP, FCSHP, Associate Professor, Chapman University School of Pharmacy, Irvine, CA

Clinical Considerations and Counseling Points for Over-the-Counter Hormonal Contraceptive

Kathleen Hill Besinque, Pharm.D., M.S.Ed., APh, FASHP, FCSHP, Professor of Pharmacy Practice, Chapman University School of Pharmacy, Irvine, CA

Caring for the Diabetics with Substance Use History

Vicki W. Gardin, Pharm.D., Network Clinical Pharmacist, Community Care of North Carolina (CCPGM), Gastonia, NC

Use of DOACs in Cancer: A Case-Based Approach

Marco Martino, Pharm.D., M.B.A., BCOP, BCPS, Operations Team Lead (Hematology/Oncology), Northwestern Medicine, Chicago, IL

It's in the Genes: Emerging Application of Gene Therapy

Carolyn J. Oxencis, Pharm.D., BCOP, BCPS, Clinical Pharmacist, Hematology/Oncology, Clinical Assistant Professor, Froedtert & the Medical College of Wisconsin, Medical College of Wisconsin School of Pharmacy, Milwaukee, WI

Codeine in Kids: What's the Harm?

Brenda R. Denson, Pharm.D., FASHP, Educator, Children's of Alabama, Birmingham, AL

2:30 p.m.–4:30 p.m.

Pharmacy Forecast 2019: Trends That Will Shape Your Future

Planned in cooperation with the ASHP Research and Education Foundation

Activity #: 0204-0000-18-285-L04-P

Activity #: 0204-0000-18-285-L04-T

2.00 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Identify five trends in the external environment that will have a major impact on health-system pharmacy practice over the next five years.
- Translate the strategic advice of national authorities to the specific needs of a particular practice setting.
- Identify three methods to apply knowledge of key trends to improve patient care.

Program Chair, Moderator: Lee Vermeulen, B.S.Pharm., M.S., FCCP, FFIP, Professor of Medicine and Pharmacy, University of Kentucky, Lexington, KY

Presenter: Jannet Carmichael, Pharm.D., BCPS, FAPhA, FCCP, President, Pharm Consult NV LLC, Reno, NV

Presenter: Erin R. Fox, Pharm.D., BCPS, FASHP, Senior Director, Drug Information Service, University of Utah Health, Salt Lake City, UT

Presenter: James M. Hoffman, Pharm.D., M.S., BCPS, FASHP, Chief Patient Safety Officer, Associate Member, Pharmaceutical Sciences, St. Jude Children's Research Hospital, Memphis, TN

2:45 p.m.–3:15 p.m.**(Management Case Study) A New Strategy That Justifies Labor for Your Pharmacy Operation While Improving Outcomes**

Activity #: 0204-000-18-371-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Discuss new productivity models that include outcome-based metrics.
- Explain why physician satisfaction is important to expand the role of the pharmacist.
- Identify outcome metrics for pharmacy productivity that mirror senior leadership goals.

Presenter: Jerome Wohleb, Pharm.D., M.B.A., FASHP, FAzPA, Pharmacy Services Director, Bryan Medical Center, Lincoln, NE

3:30 p.m.–4:00 p.m.**(Management Case Study) Minimizing Inventory Related Costs Through Centralization of Aging Inventory**

Activity #: 0204-000-18-372-L04-P

Activity #: 0204-000-18-372-L04-T

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Describe how central pharmacy operations can improve inventory management for the system.
- Describe how inventory expense reduction opportunities become available when looking at multiple pharmacies as one system.
- Describe how one process can impact multiple inventory metrics.

Presenter: Nathan Hagen, Pharm.D., Director–Community Pharmacy, University of Utah Health, Salt Lake City, UT

Presenter: Kristen Sobotka Hausskuper, Pharm.D., Pharmacy Manager, University of Utah Hospitals and Clinics, Salt Lake City, UT

3:30 p.m.–4:45 p.m.**After the First Script: Pharmacists Providing Contraceptive Care**

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

Activity #: 0204-0000-18-286-L01-P

1.25 Contact Hours | Application-based

Educational Level: Intermediate**Learning Objectives:**

- Summarize the progress to date in the development of pharmacist provision of self-administered hormonal contraceptives.

- Given a patient case regarding side effects from contraception, interpret what might be causing the adverse effects.
- Develop a plan to minimize adverse effects of contraception.
- Evaluate patient medical histories in order to adapt their contraceptive plans to evolving medical conditions.

Program Chair, Moderator, Presenter: Karen M. Gunning, Pharm.D., BCACP, BCPS, Professor (Clinical) of Pharmacotherapy & Clinical Pharmacist–University of Utah Family Medicine Residency Program, University of Utah College of Pharmacy; University of Utah Health, Salt Lake City, UT

Presenter: Lorinda Anderson, Pharm.D., BCPS, Clinical Assistant Professor, Oregon State University College of Pharmacy, Corvallis, OR

Presenter: Laura Borgelt, Pharm.D., BCPS, FCCP, Associate Dean and Professor, University of Colorado Skaggs School of Pharmacy, Aurora, CO

3:45 p.m.–5:15 p.m.**Let's Take a Ride on the Opioid StewardSHIP**

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-287-L01-P

1.50 Contact Hours | Application-based

Educational Level: Intermediate**Learning Objectives:**

- Discuss challenges and potential barriers to successful opioid stewardship implementation at the health-system level.
- Evaluate opportunities within your organization to decrease opioid usage.
- Develop a plan to implement an opioid stewardship program.

Program Chair: Patrick J. Bridgeman, Pharm.D., Clinical Assistant Professor, Ernest Mario School of Pharmacy, Piscataway, NJ

Moderator: Melinda J. Ortmann, Pharm.D., BCPS, Clinical Pharmacy Specialist–Emergency Medicine, The Johns Hopkins Hospital, Baltimore, MD

Presenter: Virginia Ghafoor, Pharm.D., M.B.A., Pharmacy Specialist–Pain Management, University of Minnesota Health and Fairview Pharmacy Services, Minneapolis, MN

Presenter: Peter M. Hill, M.D., M.S., FACEP, Senior Vice President of Medical Affairs, The Johns Hopkins Hospital & Health System, Baltimore, MD

Presenter: Suzanne A. Nesbit, Pharm.D., BCPS, CPE, FCCP, Clinical Pharmacy Specialist, Pain and Palliative Care, The Johns Hopkins Hospital, Baltimore, MD

4:00 p.m.–5:00 p.m.**Optimizing Pediatric Pharmacotherapy Through the Use of Pharmacogenomics**

Activity #: 0204-0000-18-288-L01-P

1.00 Contact Hours | Application-based

Educational Level: Advanced**Target Audience:** BCPPS

NOTE: This session is part of the Live Intensive Study and BCOP Clinical Sessions packages. All attendees may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. For more information, see page 1564.

Learning Objectives:

- Analyze the role of the pediatric pharmacist in pharmacogenomics.
- Apply pharmacogenetic test results to the care of pediatric patients.
- Evaluate current pediatric pharmacy practice models that integrate pharmacogenomics.

Program Chair, Presenter: Roseann S. Gammal, Pharm.D., BCPS, Assistant Professor of Pharmacy Practice, MCPHS University, Boston, MA

4:00 p.m.–5:00 p.m.**Current Concepts: The Application of Cardiovascular Pharmacogenomics in Clinical Practice**

Activity #: 0204-0000-18-289-L01-P

1.00 Contact Hours | Application-based

Educational Level: Advanced**Target Audience:** BCPS

NOTE: This session is part of the Live Intensive Study and BCOP Clinical Sessions packages. All attendees may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. For more information, see page 1564.

Learning Objectives:

- Evaluate the results of pharmacogenomic tests and apply the results to a cardiovascular patient case.

- Given a case, use evidence-based guidelines and literature to formulate a cardiovascular patient-specific medication plan based on pharmacogenomic test results and other patient-specific factors.
- Recommend strategies for the implementation of pharmacogenomics in cardiovascular pharmacy practice.

Program Chair, Presenter: Christina Aquilante, Pharm.D., FCCP, Professor, University of Colorado, Aurora, CO

4:00 p.m.–5:00 p.m.**Electronic Health Record Integration: Safe Processes for High-Risk Therapy**

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

Activity #: 0204-0000-18-292-L05-P

1.00 Contact Hours | Knowledge-based

Educational Level: Intermediate**Learning Objectives:**

- State the risks and failure points in the medication-use process of ordering, dispensing, and administering high-risk therapies.
- Discuss errors that could be avoided with the use of novel techniques within the electronic health record.
- Describe three novel strategies to improve safety within the electronic health record.

Program Chair, Presenter, Moderator: Barry M. McClain, Pharm.D., M.S., Director, Pharmacy Information Systems, Aurora Health Care, Brookfield, WI

Presenter: Mark Hamm, Pharm.D., M.B.A., BCPS, Director of Pharmacy Oncology Services, Aurora Health Care, Pewaukee, WI

4:00 p.m.–5:00 p.m.**Connecting the Dots: Recognizing the Impact of Antiretroviral Therapy on Concomitant Therapies**

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-293-L01-P

1.00 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Given a patient case, evaluate the medication profile for potentially significant drug interactions.
- Recommend appropriate therapeutic alterations to minimize harm to patients on antiretroviral therapy.
- Predict drug interaction potential in situations where data is unavailable or unclear.

Program Chair, Presenter, Moderator: Melody L. Berg, Pharm.D., M.P.H., AAHIVP, BCPS-AQ ID, Senior Clinical Content Specialist, Wolters Kluwer, Whitestown, IN

Presenter: Rodrigo M. Burgos, Pharm.D., Clinical Assistant Professor, HIV/ID Residency Co-Director, University of Illinois at Chicago, Chicago, IL

4:00 p.m.–5:15 p.m.

From Med Wreck to Med Rec: Best Practices for Reducing Potentially Harmful Medication Discrepancies

Activity #: 0204-0000-18-273-L04-P

Activity #: 0204-0000-18-273-L04-T

1.25 Contact Hours | Knowledge-based

Educational Level: Intermediate

Learning Objectives:

- Discuss the challenges in implementing effective medication reconciliation.
- Describe best practices to ensure accurate medication reconciliation.
- Identify members of the team essential to the process.
- Outline the role of informatics in successful medication reconciliation.
- Explain the role of health-system pharmacists in improving medication reconciliation at their organizations.

Presenter: Jeffrey L. Schnipper, M.D., M.P.H., Director of Clinical Research, BWH Hospitalist Service, Associate Professor of Medicine, Brigham and Women's Hospital, Harvard Medical School, Boston, MA

4:00 p.m.–5:15 p.m.

Hot Topics in Psychiatry 2018

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-290-L01-P

1.25 Contact Hours | Knowledge-based

Educational Level: Advanced

Learning Objectives:

- Discuss clinical scenarios that might not be widely used or published within psychiatric pharmacy.
- Identify novel practice options for patient care in various psychiatric pharmacy settings.
- Describe medication management strategies in difficult or controversial psychiatric patient care situations.
- Identify clinical information that can be applied to your work setting.

Program Chair, Moderator: Denise Kelley, Pharm.D., AAHIVP, BCPS, Clinical Pharmacy Specialist–Internal Medicine, Ascension Texas–Seton Medical Center Austin, Austin, TX

Presenter: Dan McGraw, Pharm.D., Clinical Specialist in Psychiatry, Medical University of South Carolina, Charleston, SC

Presenter: Shauna S. Garris, Pharm.D., Pharmacy Clinical Specialist, Psychiatry and Psychiatric Emergency Services, UNC Healthcare, Durham, NC

Presenter: Andrea Calvert, Pharm.D., Clinical Pharmacy Specialist–Neurology, Children's Mercy Hospital, Kansas City, MO

Presenter: Benjamin Chavez, Pharm.D., BCACP, BCPP, Associate Professor, University of Colorado Skaggs School of Pharmacy, Aurora, CO

Presenter: Jamie Sebaaly, Pharm.D., BCPS, Assistant Professor of Pharmacy, Wingate University School of Pharmacy, Charlotte, NC

Presenter: Guilia Barlow, Pharm.D., PGY2 Psychiatry Resident, UNC Healthcare, Chapel Hill, NC

4:00 p.m.–5:15 p.m.

No Bones About It: Osteoporosis 20 Years After the Emergence of Bisphosphonates

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

Activity #: 0204-0000-18-291-L01-P

1.25 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Recommend appropriate treatment for the management of osteoporosis based on available guidelines.
- Analyze current barriers to the treatment of osteoporosis.
- Evaluate recent literature on the management of adverse effects of bisphosphonates.
- Design a patient-centered care plan for a patient with long-standing osteoporosis on bisphosphonate treatment.

Program Chair, Presenter, Moderator: Amy Henneman, Pharm.D., BCACP, BCPS, CDE, Associate Professor of Pharmacy Practice, Residency Program Director, Palm Beach Atlantic University, School of Pharmacy, West Palm Beach, FL

Presenter: Elisa Greene, Pharm.D., BCACP, Associate Professor of Pharmacy Practice, Belmont University College of Pharmacy, Nashville, TN

4:00 p.m.–5:15 p.m.

Toxicology of Hazardous Drugs: What Happens When It Gets in Your Body

Activity #: 0204-0000-18-294-L01-P

1.25 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Apply knowledge on sources of workplace and worker contamination with hazardous drugs to implement contamination containment in your facility.
- Evaluate mechanisms of genotoxicity and research on chromosomal damage in healthcare workers exposed to hazardous drugs.
- Given a medication, recommend the need for hazardous drug designation based on the medications pharmacology/toxicology and the potential for occupational exposure.

Program Chair, Moderator: Christine Roussel, Pharm.D., BCOP, Assistant Director of Pharmacy, Doylestown Hospital, Doylestown, PA

Presenter: Melissa McDiarmid, M.D., M.P.H., DABT, Professor, University of Maryland School of Medicine, Baltimore, MD

4:15 p.m.–4:45 p.m.

(Management Case Study) Outside the Box Reimbursement Strategies in a Diabetes Clinic

Activity #: 0204-000-18-373-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Describe three reimbursement strategies that can be utilized by pharmacists in diabetes management.
- Outline the logistics in starting a professional continuous glucose monitoring program.
- Discuss how virtual visits connect pharmacy services to patients.

Presenter: Diana Isaacs, Pharm.D., BC-ADM, BCPS, CDE, Endocrine Clinical Pharmacy Specialist, Cleveland Clinic Diabetes Center, Cleveland, OH

4:15 p.m.–5:15 p.m.

Healing Our Healers: When Mental Health Interferes with Performance

Activity #: 0204-0000-18-295-L04-P

Activity #: 0204-0000-18-295-L04-T

1.00 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Describe the impact that mental illness in healthcare staff has on patient care.
- Distinguish burnout from depression.
- Outline a plan for a staff wellness program.

Program Chair, Moderator: David R. Hager, Pharm.D., BCPS, Director, Clinical Pharmacy Services, UW Health, Madison, WI

Presenter: Erin K. McCreary, Pharm.D., BCPS, Antimicrobial Stewardship/Infectious Diseases Clinical Pharmacist, University of Pittsburgh Medical Center, Pittsburgh, PA

Wednesday, December 5

8:00 a.m.–8:30 a.m.

(Management Case Study) Identifying Challenges and Improvements With Tracking Non-Controlled Medications in Automated Anesthesia Workstations

Activity #: 0204-000-18-374-L04-P

Activity #: 0204-000-18-374-L04-T

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Describe some of the challenges frequently found when using automated anesthesia workstations.
- Describe how an item level tracking tool can assist in identifying issues with par levels, expirations and recall management.
- Describe how to use data and analytics to facilitate cross departmental changes to improve operational efficiency, revenue generation, and patient safety.

Presenter: Sanchita Damania, M.S., Medical Safety Specialist, Pharmacy and Clinical Operations, Hackensack Meridian Health, Hackensack, NJ

Presenter: Nilesh Desai, M.B.A., R.Ph., Administrator, Pharmacy and Clinical Operations, Hackensack Meridian Health, Hackensack, NJ

8:00 a.m.–9:30 a.m.

Protect Your Psychological Paycheck: Managing Stress, Impostor Phenomenon, and Burnout

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-300-L04-P

Activity #: 0204-0000-18-300-L04-T

1.50 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Evaluate the characteristics and risks associated with the development of burnout.
- Evaluate the traits of impostor syndrome.
- Explain how impostor syndrome contributes to burnout.
- Interpret the results of a self-scoring tool for burnout and impostor syndrome characteristics.
- Given a scenario, apply strategies for managing burnout and impostor syndrome.

Program Chair, Moderator: Deirdre P. Pierce, Pharm.D., B.S.Pharm., BCGP, BCPS, Clinical Pharmacist, UR Medicine Thompson Health, Canandaigua, NY

Presenter: Suzann Lawry, Ph.D., Psychologist, Suzann Lawry, PhD LLC and Georgia State University, Atlanta, GA

8:00 a.m.–9:30 a.m.

**Results from the 2018 ASHP National Survey:
The Current State of Pharmacy Practice in Hospitals
and Health Systems**

Activity #: 0204-0000-18-302-L04-P

Activity #: 0204-0000-18-302-L04-T

1.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Describe how the ASHP National Survey results can be used to effect change in your organization.
- List the most significant practice trends identified in the 2018 National Survey.
- Describe the practice trends that deviate from established best practices.

Program Chair: Douglas Scheckelhoff Sr., M.S., FASHP, Senior Vice President, Practice Advancement, ASHP, Bethesda, MD

Moderator: Michael Ganio, Pharm.D., M.S., BCPS, FASHP, Director, Pharmacy Practice and Quality, ASHP, Bethesda, MD

Presenter: Craig A. Pedersen, Ph.D., R.Ph., FAPhA, Pharmacy Manager, Virginia Mason Medical Center, Seattle, WA

Presenter: Philip J. Schneider, M.S., FASHP, Principal, MediHealthInsight, Scottsdale, AZ

8:00 a.m.–9:30 a.m.

**Current Considerations: Supporting LGBTQ Students,
Colleagues, and Patients**

*Planned in cooperation with the ASHP Section
of Ambulatory Care Practitioners*

Activity #: 0204-0000-18-303-L04-P

Activity #: 0204-0000-18-303-L04-T

1.50 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Recognize challenges and concerns related to disclosure for LGBTQ colleagues and patients.
- Develop strategies to communicate an LGBTQ affirming practice.
- Discuss skills needed to implement these strategies into practice.
- Evaluate how unintentional bias can influence interactions and perceptions of LGBTQ individuals.

Program Chair, Presenter, Moderator: Cheyenne Newsome, Pharm.D., Ph.C., BCACP, Clinical Assistant Professor, Washington State University College of Pharmacy and Pharmaceutical Sciences, Spokane, WA

Presenter: Jessica Conklin, Pharm.D., Ph.C., AAHIVP, BCACP, CDE, Assistant Professor, University of New Mexico College of Pharmacy, Albuquerque, NM

Presenter: Calvin “Clay” Daniels, Pharm.D., Ph.D., BCPPS, Clinical Pharmacist, Medication Safety and Informatics, St. Jude Children’s Research Hospital, Memphis, TN

8:00 a.m.–9:30 a.m.

They Snooze, We Lose: Strategies to Motivate Learners

Activity #: 0204-0000-18-304-L04-P

Activity #: 0204-0000-18-304-L04-T

1.50 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Compare attributes of contemporary motivation theories used to describe learner behavior.
- Given a scenario, apply motivational theories and associated strategies to motivate learners.
- Develop a plan to integrate effective motivation strategies into educational practices.

Program Chair, Presenter, Moderator: Michael Wolcott, Pharm.D., BCPS, Clinical Infectious Diseases and Antimicrobial Stewardship Pharmacist, Duke University Hospital, Durham, NC

Presenter: Nikki G. Lobczowski, M.Ed., Research Assistant, University of North Carolina at Chapel Hill, Chapel Hill, NC

8:00 a.m.–9:30 a.m.

ISMP Medication Safety Update for 2019

*Planned in cooperation with the Institute for Safe
Medication Practices*

Activity #: 0204-0000-18-305-L05-P

Activity #: 0204-0000-18-305-L05-T

1.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- List the top five most important medication safety issues reported to Institute for Safe Medication Practices (ISMP) in 2018.
- Discuss effective strategies to mitigate harm.
- Describe the background, format, and components of ISMP’s Medication Safety Self Assessment® for High-Alert Medications.
- Compare the safety of systems and practices in your organization based on results from ISMP’s Medication Safety Self Assessment for High-Alert Medications.

Program Chair, Presenter: Christina Michalek, B.S., R.Ph., FASHP, Medication Safety Specialist, Institute for Safe Medication Practices, Horsham, PA

Moderator: Michael R. Cohen, Sc.D. (Hon.), DPS (Hon.), M.S., R.Ph., FASHP, President, Institute for Safe Medication Practices, Horsham, PA

Presenter: Allen J. Vaida, Pharm.D., B.Sc., Executive Vice President, Institute for Safe Medication Practices, Horsham, PA

8:00 a.m.–9:30 a.m.

Bridging Pharmacy Silos: Linking Acute and Ambulatory Pharmacy Services

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

Activity #: 0204-0000-18-310-L04-P

1.50 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Evaluate opportunities to integrate acute and ambulatory pharmacy services.
- Identify potential barriers to integrating acute and ambulatory pharmacy services.
- Recommend mitigation strategies to overcome identified barriers.
- Develop a proposal to integrate a clinical pharmacy service across acute and ambulatory practice settings.

Program Chair, Moderator, Presenter: Tara Vlasimsky, Pharm.D., BCPS, Assistant Director, Ambulatory Clinical Pharmacy, Denver Health, Denver, CO

Presenter: Molly Wascher, Pharm.D., M.B.A., BCPS, Clinical Programs Manager, Specialty Pharmacy, Johns Hopkins Home Care Group, Baltimore, MD

8:00 a.m.–9:30 a.m.

Predictive Analytics Prioritization: Helping Pharmacists Save Time with Medication Reconciliation Services

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

Activity #: 0204-0000-18-314-L04-P

1.50 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Describe uses of predictive analytics in various healthcare workflows and patient populations.
- Evaluate methodology and development of a predictive analytics model using healthcare system-specific cohort patient data.
- Identify tools that may be implemented into an electronic medical record to visualize a patient's 30-day readmission risk.

- Illustrate complexities to create change for medication reconciliation practice within the inpatient setting across a health system.
- Given a scenario, demonstrate strategies for successful implementation of a prioritized workflow for a health-system pharmacy department.

Program Chair, Moderator, Presenter: Marc Willner, Pharm.D., CPHIMS, Lead Pharmacy Informatics Specialist, Cleveland Clinic, Cleveland, OH

Presenter: Rachel Hipp, Pharm.D., M.S., BCPS, Manager, Transitions of Care, Cleveland Clinic, Cleveland, OH

Presenter: Aubrie Rafferty, Pharm.D., BCPS, Transitions of Care Pharmacist; Assistant Professor of Clinical Education, Mission Hospital; UNC Eshelman School of Pharmacy, Asheville, NC

8:00 a.m.–9:45 a.m.

Emergency Medicine Pearls 2018

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-306-L01-P

1.75 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Discuss clinical practice in the emergency department.
- Explain applications of clinical pharmacotherapy in the emergency department.
- Discuss how to apply clinical pharmacotherapy to unique circumstances and clinical presentations.

Program Chair: Aimee Mishler, Pharm.D., BCPS, Emergency Medicine Pharmacist, Maricopa Integrated Health System, Phoenix, AZ

Presentations:

Don't Just Treat the Symptoms, Treat the Disorder: Buprenorphine Induction in the ED

Therese Makhoul, Pharm.D., Emergency Medicine Clinical Pharmacy Specialist, Santa Rosa Memorial Hospital, Santa Rosa, CA

Physostigmine for Anticholinergic Overdose

Anne Zepeski, Pharm.D., BCPS, Clinical Pharmacist—Emergency Medicine, University of Iowa Hospitals and Clinics, Iowa City, IA

Poor Man's Ethylene Glycol Test

Erin M. Lingenfelter, Pharm.D., Clinical Pharmacist—Emergency Medicine/Critical Care, University of Utah Health, Salt Lake City, UT

Cannabinoid Induced Coagulopathy

Kortney L. Morrell, Pharm.D., PGY2 Emergency Medicine Pharmacy Resident, University of Maryland Medical Center, Baltimore, MD

Haloperidol for Cannabinoid-Induced Hyperemesis

Paris A. Cook, Pharm.D., PGY2 Emergency Medicine Pharmacy Resident, Maricopa Integrated Health System, Phoenix, AZ

Propofol for Migraines

Kevin J. Mercer, Pharm.D., PGY2 Emergency Medicine Pharmacy Resident, The Johns Hopkins Hospital, Baltimore, MD

Alternatives to Lidocaine for Topical Anesthesia

Shannon Sullivan, Pharm.D., Emergency Medicine Clinical Pharmacy Specialist, University of Maryland Baltimore Washington Medical Center, Glen Burnie, MD

Gabapentin Use and Misuse

Larissa Woloszczuk, Pharm.D., Clinical Pharmacist, Atlanticare Regional Medical Center, Plainsboro, NJ

IN Ketamine

Heather Tilley, Pharm.D., PGY2 Emergency Medicine Pharmacy Resident, Banner–University Medical Center Tucson, Tucson, AZ

Awake Intubations

Rachel Wein, Pharm.D., BCPS, Clinical Pharmacist Specialist–Emergency Medicine, Detroit Receiving Hospital, Bloomfield Hills, MI

Two Bag Method

Gregory Kelly, Pharm.D., Emergency Medicine Clinical Pharmacist, Hospital of the University of Pennsylvania, Philadelphia, PA

Hydroxocobalamin for Refractory Vasoplegia

Cole T. Sloan, Pharm.D., BCPS, Clinical Pharmacist–Emergency Medicine, University of Utah Health, Salt Lake City, UT

Qtc Prolonging Meds: How Long Does It Matter?

Marianne Pop, Pharm.D., BCPS, Clinical Assistant Professor/EM Clinical Pharmacist, University of Illinois College of Pharmacy, Rockford, IL

CCB for SVT

Jaxson Burkins, Pharm.D., BCPS, Clinical Pharmacy Specialist–Emergency Medicine, Mount Sinai Hospital, Chicago, IL

Nitro for SCAPE

Krisi Stemple, Pharm.D., M.B.A., PGY2 Emergency Medicine Pharmacy Resident, University of Vermont Medical Center, Burlington, VT

Afterload Reduction for Critically Ill Patients with Severe Aortic Stenosis

Michael O'Brien, Pharm.D., PGY2 Emergency Medicine Pharmacy Resident, Massachusetts General Hospital, Boston, MA

8:00 a.m.–9:45 a.m.

The Great ID Debates of One-Eight

Activity #: 0204-0000-18-307-L01-P

1.75 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Evaluate the literature supporting linezolid and vancomycin as first-line therapy for methicillin-resistant *Staphylococcus aureus* (MRSA) pneumonia.
- Compare and contrast vancomycin and fidaxomicin for the treatment of *Clostridium difficile*.
- Identify key changes in national guidelines regarding vancomycin dosing and *Clostridium difficile*.

Program Chair: Monica V. Mahoney, Pharm.D., BCPS-AQ ID, Clinical Pharmacy Coordinator, Infectious Diseases, Beth Israel Deaconess Medical Center, Boston, MA

Moderator: Brandon Dionne, Pharm.D., AAHIVP, BCPS-AQ ID, Assistant Clinical Professor, Northeastern University, Boston, MA

Debate Topics:**MRSA Pneumonia Debate: Vancomycin vs. Linezolid**

Pro: Brandon Dionne, Pharm.D., AAHIVP, BCPS-AQ ID, Assistant Clinical Professor, Northeastern University, Boston, MA

Con: Meghan N. Jeffres, Pharm.D., Assistant Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, Aurora, CO

Clostridium Difficile Debate: Vancomycin vs. Fidaxomicin

Pro: Julie Ann Justo, Pharm.D., M.S., BCPS-AQ ID, Clinical Assistant Professor, University of South Carolina College of Pharmacy, Columbia, SC

Con: Tristan Thomas Timbrook, Pharm.D., M.B.A., BCPS, Antimicrobial Stewardship Pharmacist, University of Utah Health, Salt Lake City, UT

8:00 a.m.–9:45 a.m.

Practical Applications: Behavioral Science in Deprescribing Conversations

Activity #: 0204-0000-18-309-L04-P

1.75 Contact Hours | Application-based

Educational Level: General Interest**Learning Objectives:**

- Given patient case examples of deprescribing conversations, describe the common cognitive biases that are present and suggest an appropriate response.
- Given provider case examples of deprescribing conversations, describe the common cognitive biases that are present and suggest an appropriate response.
- Evaluate the perspective of a patient who now is faced with a deprescribing conversation on a medication they have been taking for many years.
- In a complex role-play scenario, select appropriate responses in a deprescribing conversation.
- Identify various barriers that may be encountered in attempting to deprescribe in practice.

Program Chair, Moderator, Presenter: Lynn H. Deguzman, Pharm.D., BCGP, Regional Clinical Operations Manager, Kaiser Permanente, Oakland, CA

Presenter: Chris Chang, Pharm.D., BCGP, PMP, Pharmacist Project Manager, Kaiser Permanente, Stockton, CA

Presenter: Nora K. Kurose, M.S., Business Consultant, Kaiser Permanente, San Francisco, CA

8:00 a.m.–9:45 a.m.

Bridging the Advocacy Gap: Applying Lessons Learned from Non-Pharmacy Initiatives to the Achievement of Provider Status

Activity #: 0204-0000-18-312-L04-P

1.00 Contact Hours | Application-based

Educational Level: General Interest**Learning Objectives:**

- Outline the importance of advocacy to the profession of pharmacy.
- Apply lessons learned from the National Organization for Rare Disorders advocacy for the Orphan Drug Act.
- Apply lessons learned from nurse practitioner efforts to successfully attain provider status.
- Identify key strategies that can be used to attain provider status for pharmacists.

Program Chair, Presenter, Moderator: Mindy J. Burnworth, Pharm.D., BCPS, FASHP, FAzPA, Professor, Department of Pharmacy Practice, Midwestern University College of Pharmacy-Glendale, Glendale, AZ

8:15 a.m.–9:45 a.m.

Emerging USP Standards: Improving Patient Safety with Opioid Standards

Planned in cooperation with the United States Pharmacopeia

Activity #: 0204-0000-18-308-L05-P

Activity #: 0204-0000-18-308-L05-T

1.50 Contact Hours | Application-based

Educational Level: General Interest**Learning Objectives:**

- Describe the new United States Pharmacopeia (USP) Opioid Safety Standards.
- Evaluate methods to improve patient engagement related to opioid safety.
- Recommend strategies for communicating safe practices for storage and disposal of opioids in the community.
- Develop a plan for implementing the opioid safety standards throughout your practice site.

Program Chair, Moderator: Donna Bohannon, R.Ph., M.S., Senior Scientific Liaison, Healthcare Quality and Safety, USP, Rockville, MD

Presenter: Raymond C. Love, Pharm.D., BCPP, FASHP, Professor and Vice Chair, University of Maryland, Baltimore, MD

Presenter: Terri Warholak, Ph.D., R.Ph., Professor and Assistant Dean, Academic Affairs and Assessment, University of Arizona, Tucson, AZ

Presenter: Carrie Harney, J.D., Director, U.S. Advocacy, USP, Washington, DC

8:45 a.m.–9:15 a.m.

(Management Case Study) Charges Left on the Operating Room Table: Validation of the Charge-on-Administration Approach

Activity #: 0204-000-18-375-L04-P

Activity #: 0204-000-18-375-L04-T

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Assess the value of inventory shrink by comparing charges with losses.
- Analyze medication consumption and charge data to highlight gaps and determine error rates.
- Identify targeted opportunities to increase charge capture.

Presenter: Brian J. Kramer, Pharm.D., Clinical Pharmacist, OhioHealth Grant Medical Center, Columbus, OH

Co-Author: Adam Trimble, Pharm.D., BCPS, Clinical Pharmacist, OhioHealth Grant Medical Center, Columbus, OH

10:00 a.m.–11:00 a.m.

Spotlight on Science**Smart Feedback Drug Release: Because Drugs Don't Work on Patients Who Don't Take Them**

Activity #: 0204-0000-18-350-L04-P

0.75 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Review the challenges of patient compliance.
- Discuss the importance of pulsate or feedback release vs. sustained release.
- Explain the concept of shifting from oral drug delivery to local and regional delivery.
- Identify challenges in designing and executing feedback release drug depots.
- Discuss opportunities, promising developments, and future trends in pharmacy drug delivery.



Featured Speaker: Adah Almutairi, Ph.D., Associate Professor, Skaggs School of Pharmacy and Pharmaceutical Sciences, NanoEngineering, Materials Science and Engineering, La Jolla, CA

For more information, see page 1561.

2:00 p.m.–2:30 p.m.

(Management Case Study) Pharmacist Impact on Discharge of Acute Ischemic Stroke Patients

Activity #: 0204-000-18-376-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Discuss the impact of the pharmacists' role in the discharge of patients with newly diagnosed acute ischemic stroke.
- Explain the impact of strokes on the United States healthcare system.

- Describe pharmacy services that can positively impact the healthcare outcomes in patients with acute ischemic stroke.

Presenter: Jason L. Kirkwood, Pharm.D., Pharmacist, Cedars-Sinai Medical Center, Los Angeles, CA

Presenter: Kathreen Tarashchansky, Pharm.D., Clinical Pharmacist, Cedars-Sinai Medical Center, Los Angeles, CA

2:00 p.m.–3:15 p.m.

Break Free from the Cycle: Steps to Implementing an Opioid-Sparing Emergency Department

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-315-L01-P

1.25 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Interpret and apply current evidence regarding acute pain management.
- Design a non-opioid treatment regimen for patients with acute pain presenting to the emergency department.
- Recommend strategies for the development and successful implementation of an opioid-sparing emergency department.

Program Chair, Moderator: Megan E. Musselman, Pharm.D., M.S., BCCCP, BCPS, Clinical Pharmacy Specialist/PGY1 Residency Program Coordinator, North Kansas City Hospital, Liberty, MO

Presenter: Craig Cocchio, Pharm.D., BCPS, Emergency Medicine Clinical Pharmacist, CHRISTUS Mother Frances Health System, Tyler, TX

Presenter: David E. Zimmerman, Pharm.D., BCCCP, BCPS, Assistant Professor of Pharmacy, Duquesne University School of Pharmacy, Pittsburgh, PA

2:00 p.m.–3:30 p.m.

Informatics Pearls 2018: Bytes of Informatics

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

Activity #: 0204-0000-18-301-L04-P

Activity #: 0204-0000-18-301-L04-T

1.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Identify how pharmacy informatics programs can be used in your organization to improve patient care.
- Describe one way an organization has made better use of its clinical information system and how it may be implemented in your organization.
- Compare various pharmacy informatics initiatives and how they improve the medication-use system.

Program Chair, Moderator: Karl F. Gumpfer, B.S.Pharm., M.S.M.I., BCPS, CPHIMS, FASHP, Pharmacy Informatics Manager, Boston Children's Hospital, Boston, MA

Presentations:

Implementation of Clinical Decision Support (CDS) for Parenteral Nutrition (PN)

Ada Z. Koch, Pharm.D., M.B.A., BCPS, Manager of Clinical Pharmacy Services, Children's Hospital Colorado, Aurora, CO

Leveraging Technology to Optimize Medication Workflows with Rover and Traysafe

Ryan Mills, Pharm.D., M.H.A., M.B.A., BCPS, Operations Pharmacy Manager, Novant Health, Winston-Salem, NC

Use of Dashboards Analytics for Formulary and Purchasing Support in Pharmacy

Terence Webb, Pharm.D., M.B.A., Vice President, Pharmacy, Adventist Health, Roseville CA

Get Pumped Up! Leveraging Shared Infusion Pump Data to Rank Hospitals

Rich Zink, M.B.A., Managing Director, REMEDI Operations, Regenstrief Center for Healthcare Engineering, Purdue University, West Lafayette, IN

Optimizing the Management of Pharmacy Informatics Requests

Tristan Edwards, Pharm.D., PGY2 Pharmacy Resident in Informatics, Aurora Health Care, Milwaukee, WI

Don't Let Downtime Get You Down!

Justin Heizer, Pharm.D., Clinical Pharmacist & Pharmacy Systems Analyst, Children's Hospital Colorado, Aurora, CO

Utilizing CDS to Support Appropriate Medication Delivery

David Aguero, Pharm.D., DPLA, Manager, Medication Systems and Informatics, St. Jude Children's Research Hospital, Memphis, TN

Best Practices for Collaboration in Pharmacy Analytics

Mary-Haston Leary, Pharm.D., BCPS, PGY2 Health-System Pharmacy Administration Resident, UNC Medical Center, Chapel Hill, NC

Pharmacy Operational Reporting and Business Intelligence Team (ORBIT)—A Novel Approach at Optimizing Pharmacy Analytical Assets

Ashley L. Pappas, Pharm.D., M.H.A., Assistant Director, Medication Use Policy and Analytics, UNC Hospitals, Chapel Hill, NC

Targeted Antimicrobial Stewardship Interventions: Early Indicators

Tony Huke, Pharm.D., BCPS, Clinical Manager and PGY1 Residency Program Director, Truman Medical Centers, Kansas City, MO

Development of a Pharmacy Purchasing Dashboard

Gabriel Guerra, Pharm.D., BCPS, CAHIMS, 340B Split Billing Coordinator, NYU Langone Medical Center, New York, NY

Time Savings for Pharmacy by Removing Non-Formulary Orderables

Lisa Starost, Pharm.D., Manager-Pharmacy Informatics, Indiana University Health, Indianapolis, IN

Creative Ways to Program Oxytocin and Prothrombin Complex Concentrate on Smart Pumps

Silvana Balliu, Pharm.D., Smart Pump Pharmacist/Medication Safety, Cleveland Clinic, Cleveland, OH

An Innovative Solution for Spatial Optimization of Automated Dispensing Machines

Ganesh Chandran, Pharm.D., M.B.A., BCPS, Acute Care Pharmacy Operations Manager, University of Colorado Hospital, Denver, CO

Teaching Pharmacy Informatics in Pharmacy School

Armen Simonian, Pharm.D., FASHP, FCSHP, Assistant Dean, Chair, Associate Professor, Keck Graduate Institute School of Pharmacy, Claremont, CA

2:00 p.m.–3:30 p.m.

Navigating Change in Primary Care: The Role of the Patient-Centered Medical Home Pharmacist

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners Advisory Group on Clinical Practice Advancement

Activity #: 0204-0000-18-317-L04-P

1.50 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Analyze the benefits and value of pharmacist integration into a patient-centered medical home (PCMH).
- Design creative strategies and/or solutions to practical challenges faced within a PCMH.
- Develop a S.M.A.R.T action plan that can be implemented in a PCMH to demonstrate the value of pharmacy services.

Program Chair, Moderator: Laura Traynor, Pharm.D., BCPS, Associate Professor, Concordia University Wisconsin School of Pharmacy, Cedarburg, WI

Presenter: Canice Coan, Pharm.D., BCACP, Pharmacy Case Management Coordinator, Nebraska Medicine, La Vista, NE

Presenter: Margie E. Padilla, Pharm.D., BCACP, CDE, Clinical Associate Professor, The University of Texas at El Paso School of Pharmacy, El Paso, TX

Presenter: Edward Saito, Pharm.D., BCACP, Assistant Professor, Pacific University School of Pharmacy, Hillsboro, OR

2:00 p.m.–3:30 p.m.**At Last! Applying the National Hypertension Guidelines in Special Populations***Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-318-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Describe the population at risk for developing hypertension (HTN) and current blood pressure control rates.
- Develop optimal blood pressure goals for a patient with HTN and co-morbid conditions according to practice guidelines and clinical trial evidence.
- Demonstrate appropriate drug selection for the treatment of HTN according to concomitant conditions and compelling indications.
- Devise an evidence-based treatment strategy for resistant HTN to achieve blood pressure goals.

Program Chair, Presenter, Moderator: Karen J. McConnell, Pharm.D., ASH-CHC, BCPS-AQ Cardiology, FCCP, System Director—Clinical Pharmacy Services, Catholic Health Initiatives, Englewood, CO

Presenter: Joel C. Marrs, Pharm.D., BCACP, BCPS-AQ Cardiology, CLS, FAHA, FASHP, FCCP, FNLA, Associate Professor, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Science, Aurora, CO

2:00 p.m.–3:30 p.m.**Preceptor Dilemmas: Managing Difficult Situations***Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners*

Activity #: 0204-0000-18-319-L04-P

Activity #: 0204-0000-18-319-L04-T

1.50 Contact Hours | Application-based

Educational Level: General Interest**Learning Objectives:**

- Discuss barriers to effective communication between preceptors and how that affects the message a trainee receives.
- Given a scenario, evaluate the potential impact of a preceptor's response to a trainee on their performance and outcomes.
- Apply methods that can be used to minimize the risk of conflict between learners at different stages of development on the same service or rotation.

Program Chair, Presenter, Moderator: Carol J. Rollins, Pharm.D., M.S., R.D., BCNSP, CNSC, FASHP, FASPEN, Clinical Professor, University of Arizona College of Pharmacy, Tucson, AZ

Presenter: Brian L. Erstad, Pharm.D., BCPS, FASHP, FCCP, MCCM, Professor and Head, University of Arizona, Tucson, AZ

2:00 p.m.–3:30 p.m.**A Whole New World: A Case-Based Approach to Managing CAR-T Cell Therapy and Immunotherapy Toxicities***Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists*

Activity #: 0204-0000-18-320-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Interpret existing literature on CAR-T cell therapy immunotherapy management.
- Design therapeutic plans for managing CAR-T cell therapy and immunotherapy.
- Develop management guidelines to standardize treatment approaches.

Program Chair, Presenter, Moderator: Elizabeth Dow, Pharm.D., BCOP, BCPS, Clinical Pharmacist, Hematology/Oncology, UW Health, Madison, WI

Presenter: Larry W. Buie, Pharm.D., BCOP, FASHP, Clinical Pharmacy Manager, BMT and Lymphoma; Residency Program Director, PGY2 Oncology, Memorial Sloan Kettering Cancer Center, New York, NY

Presenter: Carolyn J. Oxencis, Pharm.D., BCOP, BCPS, Clinical Pharmacist, Hematology/Oncology, Clinical Assistant Professor, Froedtert & the Medical College of Wisconsin, Medical College of Wisconsin School of Pharmacy, Milwaukee, WI

2:00 p.m.–3:30 p.m.**Old Drugs Repurposed for Sepsis: Keep Them or Throw Them Back?**

Activity #: 0204-0000-18-321-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Describe the mechanisms of action for ascorbic acid, thiamine, and angiotensin II for the treatment of sepsis and septic shock.
- List the possible pros and cons of using ascorbic acid, thiamine, and angiotensin II for a patient with septic shock.
- Given a patient in septic shock, design appropriate monitoring parameters when prescribed ascorbic acid, thiamine, and angiotensin II.

Program Chair, Presenter, Moderator: Alexander H. Flannery, Pharm.D., BCCCP, BCPS, Critical Care Pharmacist, Medical Intensive Care Unit, University of Kentucky HealthCare, Lexington, KY

Presenter: Carolyn A. Magee, Pharm.D., BCCCP, Medical Surgical ICU Clinical Pharmacy Specialist, Medical University of South Carolina, Charleston, SC

Presenter: Joanna L. Stollings, Pharm.D., BCCCP, BCPS, FCCM, FCCP, MICU Clinical Pharmacy Specialist, Vanderbilt University Medical Center, Nashville, TN

2:00 p.m.–4:00 p.m.

Examining the Influence of Cardiovascular Outcome Trials: Is It the Heart of Diabetes?

Planned in cooperation with the American Pharmacists Association

Activity #: 0204-9999-18-322-L01-P

2.00 Contact Hours | Application-based

Educational Level: Advanced

Target Audience: BCPS, BCACP

NOTE: This session is part of the Live Intensive Study and BCOP Clinical Sessions packages. All attendees may attend these thought-provoking and highly educational sessions. However, if you are board certified, you must purchase the package(s) for your specialty in order to receive the recertification assessment and claim the recertification credit. For more information, see page 1564.

Learning Objectives:

- Evaluate the potential benefits of antidiabetic therapy beyond A1C lowering effects.
- Given a case study, analyze the results from antidiabetic therapy cardiovascular outcome clinical trials (CVOT).
- Given a case study, design an individualized, evidence-based pharmacotherapeutic plan for a patient with type 2 diabetes.
- Given a scenario, recommend strategies for identifying and integrating into practice the results of new CVOT literature involving antidiabetic drug therapy.

Program Chair, Presenter, Moderator: Kristi W. Kelley, Pharm.D., BCACP, BC-ADM, BCPS, CDE, Clinical Professor, Pharmacy Practice and Clinical Pharmacist, Auburn University Harrison School of Pharmacy and Continuity of Care Internal Medicine Clinics–Brookwood Baptist Health, Birmingham, AL

Presenter: Melody Hartzler, Pharm.D., AE-C, BCACP, BC-ADM, Clinical Pharmacist and Chronic Care Management Coordinator, Western Medicine, Inc., Fairborn, OH

2:00 p.m.–4:00 p.m.

The Joint Commission Medication Management Update for 2019

Planned in cooperation with The Joint Commission Resources

Activity #: 0204-0000-18-323-L03-P

Activity #: 0204-0000-18-323-L03-T

2.00 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Identify one issue found on a survey related to the top four challenging medication management standards for hospitals.
- Discuss reasons for non-compliance with medication management standards.
- List changes to The Joint Commission survey process and medication-related standards for 2019.
- Describe best practices for compliance with new areas of survey focus, including sterile compounding, pain management oversight, and policies on assessment and management.

Program Chair, Presenter, Moderator: Jeannell Mansur, Pharm.D., FASHP, Principal Consultant, Medication Management and Safety, Joint Commission Resources/Joint Commission International, Oak Brook, IL

2:45 p.m.–3:15 p.m.

(Management Case Study) Techniques to Improve Medication Adherence STAR Ratings

Activity #: 0204-000-18-377-L04-P

Activity #: 0204-000-18-377-L04-T

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Discuss different methods for assessing medication adherence.
- Evaluate the strengths and limitations of the different methods to increase medication adherence STAR ratings.
- Review the measured outcomes and improvements achieved.

Presenter: Dawn Pettus, Pharm.D., BCACP, Pharmacy Manager, Triad HealthCare Network, Greensboro, NC

3:30 p.m.–4:00 p.m.**(Management Case Study) Covering Miles in Minutes: Closing the Gap Between Patients and Pharmacy Using a Pharmacy Call Center Model**

Activity #: 0204-000-18-378-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Identify three ambulatory pharmacy services that could be centralized.
- List important considerations involved in developing telehealth services.
- Describe the advantages of using a telephone system for management of patient interaction.

Presenter: Landon T. Kortman, Pharm.D. Specialty Pharmacy Coordinator, Advocate Aurora Health, Milwaukee, WI**Presenter: Ashley Purohit, Pharm.D., M.B.A., BCPS,** Director of Pharmacy, Aurora Health Care, Wauwatosa, WI**3:30 p.m.–5:00 p.m.****Feeling the Pain: Focus on Safe Opioid Use in an Era of Crisis**

Activity #: 0204-0000-18-324-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Recommend non-opioid analgesic strategies for acute pain management in opioid-naïve patients.
- Apply principles of safe opioid use to the development of a safe acute analgesic regimen in a patient on chronic opioid therapy.
- Evaluate a proposed therapeutic regimen for a patient with acute pain on chronic medication-assisted treatment for opioid use disorder.

Program Chair, Presenter, Moderator: Douglas R. Oyler, Pharm.D., BCCCP, Director, Office of Opioid Safety, University of Kentucky HealthCare, Lexington, KY**3:30 p.m.–5:00 p.m.****Pharmacists in the Emergency Department: Heroes Antimicrobial Stewardship Needs**

Activity #: 0204-0000-18-326-L01-P

1.50 Contact Hours | Application-based

Educational Level: Advanced**Learning Objectives:**

- Describe the current state of antimicrobial stewardship in the emergency department.
- Defend the role of the pharmacist in emergency department antimicrobial stewardship.
- Evaluate the impact of emergency department outpatient stewardship.

- Design an optimal antibiotic treatment plan for patients presenting with skin and soft tissue infections, urinary tract infection, and community-acquired pneumonia.

Program Chair, Moderator, Presenter: Erin K. McCreary, Pharm.D., BCPS, Antimicrobial Stewardship/Infectious Diseases Clinical Pharmacist, University of Pittsburgh Medical Center, Pittsburgh, PA**Presenter: Meghan E. Groth, Pharm.D., BCPS,** Medical Science Liaison–Respiratory, GlaxoSmithKline, Worcester, MA**Presenter: Jenny Koehl, Pharm.D., BCPS,** Emergency Medicine Pharmacist, Massachusetts General Hospital, Boston, MA**3:45 p.m.–5:00 p.m.****The Pharmacy Credentialing Umbrella: Privileging, Certification, Accreditation**

Activity #: 0204-0000-18-325-L04-P

Activity #: 0204-0000-18-325-L04-T

1.25 Contact Hours | Knowledge-based

Educational Level: Intermediate**Learning Objectives:**

- Define credentialing and privileging for healthcare practitioners.
- Explain how credentialing and privileging processes were implemented in various healthcare systems.
- Describe the initiatives for advancement of pharmacy technician training, certification, and licensure.
- Discuss the need for raising the level of pharmacy-delivered patient care services through accreditation of pharmacy practices.

Program Chair: Lynnae M. Mahaney, B.S.Pharm., M.B.A., FASHP, Director, Pharmacy Accreditation, ASHP, Bethesda, MD**Moderator: Michelle L. Hilaire, Pharm.D., BCACP, BCPS, CDE, FCCP,** Clinical Professor, University of Wyoming, Fort Collins, CO**Presenter: Russell Findlay, Pharm.D., M.S.,** Pharmacy Manager, Support Services, University of Utah Health, Salt Lake City, UT**Presenter: Amanda Locke, Pharm.D., M.B.A., BCACP,** Ambulatory Pharmacy Manager, Virginia Mason Medical Center, Seattle, WA**Presenter: Tara L. McNulty, CPhT, RPhT,** Project Manager–Pharmacy Quality-MTMP-Clinical Programs, WellCare Health Plans, Tampa, FL

4:00 p.m.–5:00 p.m.

Exploring Barriers to Safe Medication Dispensing Practices: Use of a Tracer Tool to Support Ready-to-Administer Dispensing

Activity #: 0204-0000-18-327-L03-P

Activity #: 0204-0000-18-327-L03-T

1.00 Contact Hours | Application-based

Educational Level: Intermediate**Learning Objectives:**

- Identify regulatory and patient safety implications of injectable medications that are not provided in the most ready-to-administer form.
- Evaluate the role of tracer methodology as a tool to address gaps with providing injectable medications in the most ready-to-administer form.
- Given a scenario, apply the concept of a tracer tool to assess ready-to-administer injectable medication safety compliance.

Program Chair, Moderator: Amanda L. Ryan, Pharm.D., B.S., CJCP, Quality and Pharmacy Consultant, Joint Commission Resources, Oak Brook, IL

Presenter: Whitney Hung, Pharm.D., BCPS-AQ ID, Director of Pharmacy, Penn Medicine Princeton Medical Center, Plainsboro, NJ

4:00 p.m.–5:00 p.m.

Novel Approaches to Evaluate and Teach Self-Assessment Skills

Activity #: 0204-0000-18-328-L04-P

Activity #: 0204-0000-18-328-L04-T

1.00 Contact Hours | Application-based

Educational Level: General Interest**Learning Objectives:**

- Describe self-assessment skills.
- Given a scenario, analyze the difficulties in evaluating self-assessment skills.
- Design a plan to improve learner self-assessment skills.

Program Chair, Presenter, Moderator: Nancy C. MacDonald, Pharm.D., BCPS, Transition of Care Coordinator, Henry Ford Hospital, Detroit, MI

Presenter: Lindsay E. Davis, Pharm.D., ASH-CHC, BCPS, FAzPA, TTS, Associate Professor, Midwestern University College of Pharmacy–Glendale, Glendale, AZ

4:00 p.m.–5:00 p.m.

Special K: Traditional and Novel Roles of Ketamine in the Critically Ill

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-329-L01-P

1.00 Contact Hours | Application-based

Educational Level: Intermediate**Learning Objectives:**

- Discuss the traditional role of ketamine in adult critically ill patients.
- Evaluate recent literature on the use of ketamine in the critically ill.
- Given a scenario, select practical applications of ketamine for traditional and expanding roles in critically ill patients.

Program Chair, Moderator: Kevin E. Anger, Pharm.D., BCPS, Manager Investigational Drug Services, Brigham and Women's Hospital, Boston, MA

Presenter: James F. Gilmore, Pharm.D., BCCCP, BCPS, Pharmacy Manager, Critical Care and Emergency Department, Cedars-Sinai Medical Center, Los Angeles, CA

Presenter: Adrian Wong, Pharm.D., M.P.H., BCCCP, BCPS, Assistant Professor, MCPHS University, Boston, MA

4:00 p.m.–5:00 p.m.

The Pharmacist vs. Amazon Alexa—Creating Patient Value in the Digital Age

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

Activity #: 0204-0000-18-330-L04-P

Activity #: 0204-0000-18-330-L04-T

1.00 Contact Hours | Application-based

Educational Level: Intermediate

Amazon, Alexa, and all related logos are trademarks of Amazon.com, Inc. or its affiliates.

Learning Objectives:

- Assess current innovations and technologies in healthcare with a focus on medication adherence and chronic disease management.
- Describe how to craft a modified Business Model Canvas as a lean start-up template to validate the creation of a new digital patient-care service.
- Formulate a plan to implement digital health monitoring tools into your pharmacy workflow to drive pharmacy adherence and business sustainability.

Program Chair, Presenter, Moderator: Aaron S. Sihota, B.Sc.Pharm., B.Sc., R.Ph., Primary Care Pharmacist and Clinical Instructor, University of British Columbia and BioPro Biologics Pharmacy, Vancouver, British Columbia, Canada

4:15 p.m.–4:45 p.m.

(Management Case Study) Digiceuticals: A Multidisciplinary Population-Based Approach for Type 2 Diabetes Management

Activity #: 0204-000-18-379-L04-P

0.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Describe the role of a blood glucose digiceutical tool in the context of primary care diabetes management.
- Describe the challenges of technology integration.
- Explain how the use of a digiceutical tool improved patient care and provider efficiency.

Presenter: Elyse Weitzman, Pharm.D., BCACP, Clinical Pharmacist, Primary Care, Froedtert & The Medical College of Wisconsin, Milwaukee, WI

Thursday, December 6**Win a Free Registration!**

Stay through the end of the Thursday afternoon sessions for a chance to win a free registration to the 2019 Midyear Clinical Meeting in Las Vegas. Just drop your badge in the designated locations on Thursday afternoon.

One lucky winner will be randomly selected.

9:00 a.m.–10:00 a.m.

It's Not Just About Opioids: Achieving Compliance with The Joint Commission Pain Standards

Activity #: 0204-0000-18-331-L03-P

1.00 Contact Hours | Application-based

Educational Level: Intermediate**Learning Objectives:**

- Describe the new and revised Joint Commission pain assessment and management standards.
- Identify best practices and strategies for compliance to the new Joint Commission pain standards.
- Apply the use of a pain management mock survey tool as part of a patient tracer.

Program Chair, Presenter, Moderator: Don R. Janczak, Pharm.D., M.S., BCPS, CPHQ, Medication Management Consultant, Joint Commission Resources, Oak Brook, IL

9:00 a.m.–10:30 a.m.

I Want That! Technology Innovation 2018

Planned in cooperation with the ASHP Section of Pharmacy Informatics and Technology

Activity #: 0204-0000-18-332-L04-P

Activity #: 0204-0000-18-332-L04-T

1.50 Contact Hours | Knowledge-based

Educational Level: General Interest**Learning Objectives:**

- Describe three new technologies that have improved safety and/or efficiency of patient care in health systems.
- Evaluate the pros and cons of new technologies.
- Describe various ways organizations implement new technologies, automation, or informatics solutions.

Program Chair, Moderator: Gwen Volpe, R.Ph., FASHP, LSSBB, Director Medication Technology and Analytics, Fresenius-Kabi, Lake Zurich, IL

Facilitator: David Aguero, Pharm.D., DPLA, Manager, Medication Systems and Informatics, St. Jude Children's Research Hospital, Memphis, TN

Presenter: John J. Lewin III, Pharm.D., M.B.A., BCCCP, FASHP, FCCM, FNCS, Division Director, Critical Care & Surgery Pharmacy, The Johns Hopkins Hospital, Baltimore, MD

Presenter: Rafael Saenz, Pharm.D., M.S., FASHP, Administrator, Pharmacy Services & Assistant Dean, VCU School of Pharmacy UVA Division, University of Virginia, Charlottesville, VA

Presenter: Brennan Spiegel, M.D., M.S.H.S., Director of Health Services Research, Cedars-Sinai Health System, Cedars-Sinai Medical Center, Los Angeles, CA

9:00 a.m.–10:30 a.m.

Chronic Heart Failure Management: Debunking Myths and Misconceptions

Activity #: 0204-0000-18-333-L01-P

1.50 Contact Hours | Application-based

Educational Level: Intermediate**Learning Objectives:**

- Given a case of a patient with diabetes and heart failure with reduced ejection fraction (HFrEF), compare the risks and benefits of the oral antihyperglycemics.
- Given a case of a patient with HFrEF, identify which guideline-based medication(s) should be titrated or added.
- Given a case of a patient with HFrEF and hypertension, select a treatment regimen and blood pressure goal.

Program Chair, Presenter, Moderator: Kristin Watson, Pharm.D., BCPS-AQ Cardiology, Associate Professor and Vice Chair for Clinical Services, University of Maryland School of Pharmacy, Baltimore, MD

Presenter: Stormi Gale, Pharm.D., BCPS, Assistant Professor, Pharmacy Practice and Science, University of Maryland School of Pharmacy, Baltimore, MD

Presenter: Nicholas Leon, Pharm.D., BCACP, BCPS, FCCP, Associate Professor of Pharmacy Practice, Thomas Jefferson University, Jefferson College of Pharmacy, Philadelphia, PA

9:00 a.m.–12:00 p.m.

Ready, Set, ENGAGE! Inspiring Your Team to Tap In, Tune In, and Turn on Their Excellence

Activity #: 0204-0000-18-334-L04-P

Activity #: 0204-0000-18-334-L04-T

3.00 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Evaluate team dynamics in your pharmacy department and/or team.
- Apply strategies to overcome challenges and barriers hindering optimal team performance.
- Discuss team members who are Consistently Against Virtually Everything (CAVE) dwellers.
- Examine what engagement is and is not.
- Choose who the leaders on your team are and how to optimize them.

Presenter: Kelli Vrla, B.B.A., B.A., CRMC, CSP, CEO and Principal, KSV Enterprises, Inc., Plano, TX

10:30 a.m.–12:00 p.m.

Hurt So Good: Putting Opioid Stewardship Programs to Practice

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

Activity #: 0204-0000-18-335-L01-P

1.50 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Design an intervention to improve opioid use in a primary care setting.
- Given a scenario, develop an intervention to increase guideline-concordant pain management within a primary care setting.
- Given a scenario, evaluate outcomes regarding the improvement of opioid stewardship.

Program Chair, Presenter, Moderator: Courtenay Wilson, Pharm.D., BCACP, BCPS, CDE, CPP, Associate Director of Pharmacotherapy/Assistant Professor of Clinical Education, UNC Health Sciences at MAHEC/UNC Eshelman School of Pharmacy, Asheville, NC

Presenter: Virginia Ghafoor, Pharm.D., M.B.A., Pharmacy Specialist–Pain Management, University of Minnesota Health and Fairview Pharmacy Services, Minneapolis, MN

Presenter: Molly E. Howard, Pharm.D., BCACP, BCPS, Clinical Pharmacy Specialist, Central Alabama Veterans Health Care System, Montgomery, AL

11:00 a.m.–12:15 p.m.

It's Not a Small World After All—Principles of Drug Dosing in Obesity

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-336-L01-P

1.25 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Describe the pharmacokinetic variability that exists with medication dosing in morbidly obese patients.
- Synthesize a medication dose for a patient who is morbidly obese using an evidence-based approach.
- Develop an approach for crafting a medication dose for a medication where there is no data available.

Program Chair, Presenter, Moderator: Jeffrey F. Barletta, Pharm.D., B.S., FCCM, Professor & Vice Chair of Pharmacy Practice, Northwestern University, College of Pharmacy, Glendale, AZ

Presenter: Brian L. Erstad, Pharm.D., BCPS, FASHP, FCCP, MCCM, Professor and Head, University of Arizona, Tucson, AZ

11:00 a.m.–12:30 p.m.

Who Wants to Be a Leader? Managing the Talent on Your Team

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

Activity #: 0204-0000-18-337-L04-P

Activity #: 0204-0000-18-337-L04-T

1.50 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Identify three challenges in the workforce that are currently facing employers related to culture and mobility of employees.
- Classify different employees into a nine-box matrix for succession planning.
- Explain strategies that could be implemented within your organization to elevate talent.

Program Chair, Presenter, Facilitator, Moderator: **Jennifer Van Cura, Pharm.D.**, Director of Clinical Outcomes and Operations, Cardinal Health, Houston, TX

Presenter: **Debra Fluno, Pharm.D.**, Regional Director, Pharmacy Operations and Account Management, Cardinal Health, Gurnee, IL

Presenter: **Jennifer Miesse, SPHR**, Director, Human Resource Business Partner, Cardinal Health, Dublin, OH

11:00 a.m.–12:30 p.m.

Save the Pharmacy Piggy Bank: Managing Mega High-Cost Drugs

Planned in cooperation with the ASHP Section of Pharmacy Practice Managers

Activity #: 0204-0000-18-339-L04-P

Activity #: 0204-0000-18-339-L04-T

1.50 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Describe the current state of novel therapeutic agents.
- Discuss the impact novel therapeutic agents have on financial, operational, and regulatory aspects of the health system.
- Analyze tactical methods to avoid catastrophic financial implications on the health system.
- Compare and contrast different approaches to using these agents based on the patient population and health-system structure.

Program Chair, Moderator: **Richard K. Ogden Jr., Pharm.D., M.B.A., BCPS**, Assistant Director of Pharmacy, Children's Mercy Hospital, Overland Park, KS

Presenter: **Jerame Hill, Pharm.D., M.S.**, Pharmacy Manager, Supply Chain and Financial Services, UW Health, Middleton, WI

Presenter: **LeeAnn Miller, Pharm.D., M.S.**, Executive Director & Associate Chief Pharmacy Officer, Corporate Pharmacy Services, Yale New Haven Health, New Haven, CT

12:30 p.m.–2:00 p.m.

Medications That Kill: Are Patients Being Placed at Risk from NOT Prescribing Opioid Medication

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

Activity #: 0204-0000-18-338-L01-P

1.50 Contact Hours | Application-based

Educational Level: Intermediate

Learning Objectives:

- Summarize the scope of adverse effects from prescribing non-steroidal anti-inflammatory drugs for chronic non-cancer pain (CNCP) in an effort to avoid chronic opioid therapy (COT) for CNCP.

- Summarize the scope of adverse effects from prescribing serotonergic medication for CNCP.
- Summarize the scope of adverse effects from prescribing gabapentionoid medication for CNCP, thereby avoiding COT in patients with CNCP.
- Choose an appropriate analgesic therapy based on presenting unique patient characteristics and unique patient risk factors.

Program Chair, Moderator: **Ernest J. Dole, Pharm.D., FASHP**, Clinical Pharmacist, University of New Mexico Hospitals, Albuquerque, NM

Presenter: **Jeff Fudin, Pharm.D., DAIPM, FASHP, FCCP, FFSMB**, Clinical Pharmacy Specialist (WOC), Remitigate, LLC, Delmar, NY

1:00 p.m.–2:15 p.m.

Keep It Flowing: Controversies Surrounding Venous Thromboembolism Prophylaxis Strategies

Planned in cooperation with the ASHP Section of Clinical Specialists and Scientists

Activity #: 0204-0000-18-340-L01-P

1.25 Contact Hours | Application-based

Educational Level: Advanced

Learning Objectives:

- Identify the challenges dosing venous thromboembolism (VTE) prophylaxis in the obese patient population.
- Evaluate dosing strategies with injectable agents for VTE prophylaxis in this population.
- Recognize the potential need for VTE prophylaxis beyond discharge in the medically ill.
- Interpret available literature and treatment options for extended VTE prophylaxis in the medically ill.

Program Chair, Moderator: **Denise Kelley, Pharm.D., AAHIVP, BCPS**, Clinical Pharmacy Specialist–Internal Medicine, Ascension Texas–Seton Medical Center Austin, Austin, TX

Presenter: **Jamie Sebaaly, Pharm.D., BCPS**, Assistant Professor of Pharmacy, Wingate University School of Pharmacy, Charlotte, NC

1:00 p.m.–3:00 p.m.

Resilience and Action Planning: Now What?

Activity #: 0204-0000-18-341-L04-P

Activity #: 0204-0000-18-341-L04-T

2.00 Contact Hours | Application-based

Educational Level: General Interest

Learning Objectives:

- Identify the most important areas to improve or enhance in your practice.
- Select and prioritize several quick wins to know that you are on track to achieve your goals.

Now Available! Online Exam Preparation Materials for

INFECTIOUS DISEASES PHARMACY



ASHP offers high-level
exam preparation for the
new **Infectious Diseases**
specialty...SPREAD the word!

Highlights of the **Infectious Diseases** **Pharmacy** review program:

- Scenario-based learning designed for the high-level practitioner
- Flexible online format
- Presentations from top faculty and content experts
- Coverage of Research Design, Methodology, Statistical Analysis, and Application
- 24.5 Continuing Education Units (CEUs)

Online preparation program includes:

- Review course presented in 15 modules with more than 100 bonus practice questions
- Practice test containing an additional 100 questions
- Take the practice test as many times as needed
- References for further study



- Develop a communications plan to build awareness and keep your staff motivated.
- Examine how to stay resilient during the process and be ready for those Murphy's Law days.

Presenter: Kelli Vrla, B.B.A., B.A., CRMC, CSP, CEO and Principal, KSV Enterprises, Inc., Plano, TX

1:30 p.m.–3:00 p.m.

Disruptive Non-Pharmacy Trends That May Impact Your Practice

Planned in cooperation with the ASHP Section of Ambulatory Care Practitioners

Activity #: 0204-0000-18-342-L04-P

Activity #: 0204-0000-18-342-L04-T

1.50 Contact Hours | Knowledge-based

Educational Level: General Interest

Learning Objectives:

- Discuss at least one non-pharmacy trend that will impact healthcare in 2019.
- Describe the significance of non-pharmacy trends impacting one's own organization.
- List ways that a health system can prepare for upcoming trends.

Program Chair, Presenter, Moderator: Ellina Seckel, Pharm.D., BCACP, DPLA, Associate Chief, Ambulatory and Specialty Care, Pharmacy Service, William S. Middleton Veterans Affairs Hospital, Madison, WI

Presenter: Jaclyn A. Boyle, Pharm.D., M.S., M.B.A., BCACP, BCPS, Clinical Pharmacy Specialist, University Hospitals Portage Medical Center, Twinsburg, OH

Industry-supported Symposia

The following listing is provided to you by ASHP as a courtesy; these are commercially supported programs held in conjunction with the Midyear Clinical Meeting and Exhibition and are not part of the official ASHP Midyear meeting programming. Any questions related to these programs should be directed to the company or individual listed. Any preregistration taken for these programs is for planning purposes only and does not guarantee a seat. Seating is limited and provided on a first-come, first-served basis. Early arrival is recommended.

This listing is current as of September 7, 2018. For the most current listing, visit the meeting website.

Satellite Symposia

Sunday, December 2

9:30 a.m.–11:30 a.m.

Human Factors and Safety Science: A Real-Life Look at Catastrophic, Life-Changing Medical Event, Supported by Cardinal Health and the Cardinal Health Foundation. Contact Gail Townley, ProCE, Inc. at gtownley@proce.com. CE Provider: ProCE, Inc.

2:00 p.m.–5:00 p.m.

Current Issues in IV Injectable Safety: Continuing the Conversation, Supported by an educational grant from Baxter Healthcare Corporation. Contact ASHP Advantage at elearning@ashp.org. CE Provider: American Society of Health-System Pharmacists.

Monday, December 3

6:00 a.m.–8:00 a.m.

Event: Venous Thromboembolism Prevention Across Care Transitions (Live Webinar), Supported by Portola Pharmaceuticals. Contact Gail Townley, ProCE, Inc. at gtownley@proce.com. CE Provider: ProCE, Inc.

Tuesday, December 4

5:30 a.m.–7:30 a.m.

New Standards of Care in Stage III NSCLC: What Does a Pharmacist Need to Know? Supported by Astra Zeneca. Contact Jamie Kwan, Medscape Oncology at jkwan@medscape.net. CE Provider: Medscape Oncology.

5:45 a.m.–7:45 a.m.

Strategies to Eliminate Errors in IV Compounding (Live Webinar), Supported by PharMEDium Services, LLC. Contact Gail Townley, ProCE, Inc. at gtownley@proce.com. CE Provider: ProCE, Inc.

6:30 a.m.–7:45 a.m.

Navigating USP <797>: Using IV Automation to Enhance Safety & Compliance, Supported by Wolters Kluwer/Omniceil. Contact Stephanie Gallagher, Omnicell at stephanie.gallagher@omnicell.com. CE Provider: Omnicell.

Wednesday, December 5

5:45 a.m.–7:45 a.m.

Going Forward in Reverse: Navigating Treatment for Acute Major Bleeding (Live Webinar), Supported by Portola Pharmaceuticals. Contact Gail Townley, ProCE, Inc. at gtownley@proce.com. CE Provider: ProCE, Inc.

Midday Symposia

NOTE: Food and beverages (i.e., boxed lunches) are no longer provided to attendees of Midday Symposia funded by commercial supporters. This policy was established by ASHP in consideration of commercial supporters that have opted to exclude food at all continuing education activities. Commercial supporters have based this decision on the Physician Payments Sunshine Act. Midday symposia have been shortened by 30 minutes to allow attendees to eat lunch after the symposia. Alternatively, attendees are free to bring their lunches to the meeting room and eat during the educational activity.

Monday, December 3

11:30 a.m.–1:00 p.m.

Improving the Lives of Patients with Clostridium difficile Infection One Case at a Time (Live Webinar), Supported by an educational grant from Merck. Contact ASHP Advantage at elearning@ashp.org. CE Provider: American Society of Health-System Pharmacists.

11:30 a.m.–1:00 p.m.

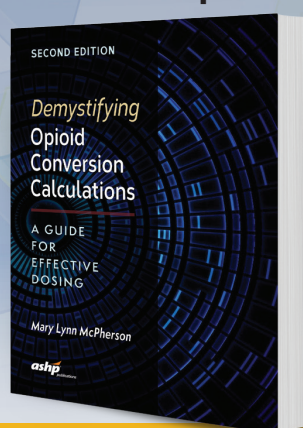
Biosimilars in Supportive and Therapeutic Cancer Care: Key Issues and Considerations for Pharmacists (Live Webinar), Supported by an educational grant from Cohere BioSciences. Contact ASHP Advantage at elearning@ashp.org. CE Provider: American Society of Health-System Pharmacists.

11:30 a.m.–1:00 p.m.

USP Chapter <800>: Focus on Approaches to Addressing Surface Contamination in Healthcare Settings (Live Webinar), Supported by an educational grant from BD. Contact ASHP Advantage at elearning@ashp.org. CE Provider: American Society of Health-System Pharmacists.

Master Opioid Conversions with Confidence

The Popular Learning Tool for Opioid Conversions, Updated and Expanded!



ORDER YOUR COPY TODAY

Demystifying Opioid Conversion Calculations is a must-have guide for clinicians involved in pain management at all levels.

Inside this updated edition you'll find:

- Learning objectives and practice problems with solutions in each chapter
- Expanded information on less commonly used opioids, including levorphanol and nalbuphine
- Updated pearls, pitfalls, and fast facts

Order your copy today at ashp.org/demystifying or by calling 1-866-279-0681.

For bulk order information, contact Chris Jezowski at cjezowski@ashp.org



© 2018 American Society of Health-System Pharmacists® HPSPx18

11:30 a.m.–1:00 p.m.

Influenza Now: Updates on Emerging Antivirals, Supported by Genentech, Inc. Contact Jason Patterson, Paradigm Medical Communications at jpatterson@paradigmmc.com. CE Provider: Educational Review Systems, Inc.

11:30 a.m.–1:00 p.m.

Post-Operative Pain Management: Assessing Novel Non-Opioid Treatment Options, Supported by Heron Therapeutics, Inc. Contact Brenda Feldman, Pharmacy Times Continuing Education (PTCE) at bfeldman@pharmacytimes.com. CE Provider: Pharmacy Times Continuing Education (PTCE).

11:30 a.m.–1:00 p.m.

Advances in Hyperkalemia Management: A Pharmacist's Guide to Improve Outcomes Across the Continuum of Care, Supported by AstraZeneca. Contact Jessica Hall, Creative Educational Concepts at jhall@ceconcepts.com. CE Provider: Creative Educational Concepts.

11:30 a.m.–1:00 p.m.

Hidden Perioperative Medication Safety Risks: A Time for Dedicated Action, Supported by Hikma Pharmaceuticals. Contact Rachel Cohen, ISMP at rcohen@ismp.org. CE Provider: ProCE.

Tuesday, December 4

11:30 a.m.–1:00 p.m.

Neuromuscular Blockade and Reversal: Patient Safety Considerations for the Interprofessional Team (Live Webinar), Supported by an educational grant from Merck. Contact ASHP Advantage at elearning@ashp.org. CE Provider: American Society of Health-System Pharmacists.

11:30 a.m.–1:00 p.m.

Practical Approaches to Safe and Appropriate Use of Parenteral Nutrition Therapy (Live Webinar), Supported by an educational grant from Fresenius Kabi USA, LLC. Contact ASHP Advantage at elearning@ashp.org. CE Provider: American Society of Health-System Pharmacists.

11:30 a.m.–1:00 p.m.

Evolving Role of Immunotherapy in Cancer Treatment (Live Webinar), Supported by an educational grant from Merck. Contact ASHP Advantage at elearning@ashp.org. CE Provider: American Society of Health-System Pharmacists.

11:30 a.m.–1:00 p.m.

Gene Replacement and Gene Modifying Therapies: Therapeutics and Safety for Pharmacists (Live Webinar), Supported by an educational grant from AveXis, Inc. Contact ASHP Advantage at elearning@ashp.org. CE Provider: American Society of Health-System Pharmacists.

11:30 a.m.–1:00 p.m.

Insights into Anemia in Chronic Kidney Disease: New Discoveries, Strategies, and Models of Care, Supported by AstraZeneca. Contact Jessica Hall, Creative Educational Concepts at jhall@ceconcepts.com. CE Provider: Creative Educational Concepts.

11:30 a.m.–1:00 p.m.

Optimizing Safe Implementation and Use of Smart Infusion Pumps, Supported by BD. Contact Rachel Cohen, ISMP at rcohen@ismp.org. CE Provider: ProCE.

Wednesday, December 5

11:30 a.m.–1:00 p.m.

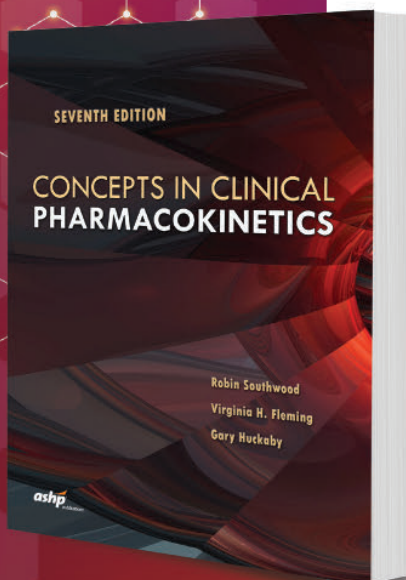
Individualizing Therapy for Type 2 Diabetes Mellitus to Overcome Clinical Inertia: Clinical Case Vignettes (Live Webinar), Supported by an educational grant from Merck. Contact ASHP Advantage at elearning@ashp.org. CE Provider: American Society of Health-System Pharmacists.

11:30 a.m.–1:00 p.m.

Addressing Risks Associated with IV Push Medication Use in Adults, Supported by Baxter. Contact Rachel Cohen, ISMP at rcohen@ismp.org. CE Provider: ProCE.

NEWLY REVISED AND EXPANDED

A Complex Subject Made Clear



Six previous editions of *Concepts in Clinical Pharmacokinetics* have helped thousands of students and practitioners by simplifying a complex subject.

Concepts in Clinical Pharmacokinetics, 7th Edition, is the fundamental reference for learning the basic, foundational pharmacokinetics concepts and how to apply them in clinical practice.

With a new team of authors, the text has been thoroughly updated to enhance the effectiveness of the material.

Inside you will find

- 15 easy-to-follow lessons, perfect for a semester-long course
- Practice quizzes with answers/explanations to help chart progress for self-study
- Phenytoin “cheat sheet” to help you through the calculations maze associated with nonlinear pharmacokinetics
- Updated clinical correlates, discussion points, references, and questions/answers

Order your copy today at ashp.org/concepts or by calling 1-866-279-0681.

For bulk order information, contact Chris Jezowski at cjezowski@ashp.org



© 2018 American Society of Health-System Pharmacists® HPSF3018

Poster Presentations

Gain insight into successful programs from health systems in the U.S. and around the world!

Sunday, December 2

3:30 p.m.–5:00 p.m.

Federal Forum: Meet the Researchers Poster Presentations 2018

Participants may earn up to one hour of CE credit. For more information, see page 1604.

Professional Posters*

Monday, December 3	2:30 p.m.–4:00 p.m.
Tuesday, December 4	2:30 p.m.–4:00 p.m.

Student Posters**

Monday, December 3	10:45 a.m.–11:45 a.m. 12:00 p.m.–1:00 p.m.
Tuesday, December 4	10:45 a.m.–11:45 a.m. 12:00 p.m.–1:00 p.m.
Wednesday, December 5	8:30 a.m.–9:30 a.m.

Resident Posters**

Wednesday, December 5	10:00 a.m.–11:00 a.m. 11:15 a.m.–12:15 p.m. 12:30 p.m.–1:30 p.m. 1:45 p.m.–2:45 p.m. 3:00 p.m.–4:00 p.m.
-----------------------	--

Share Your Expertise with Students and Residents

We invite you to share your expertise with student and resident poster presenters at this year's meeting. Discuss a project one-on-one with three or more student or resident poster presenters, and in less than an hour, your feedback and support will help facilitate the success of future pharmacists.

Stop by the desk in the poster hall during any of the poster sessions to participate. Your contribution is much appreciated!

*Fellows will present on Tuesday in the Professional Poster session. Check the meeting website for a listing.

**Listing available exclusively online by late October

Federal Forum Posters

Categories: Ambulatory Care, Cardiology/Anticoagulation, Chronic/Managed Care, Clinical Services Management/Clinical Topics/Therapeutics, Drug Information/Drug Use Evaluation, Infectious Disease/HIV, Leadership Development, Oncology/Hematology, Pain Management/Palliative Care, Pharmacokinetics, Precepting/Preceptor Skills/Education and Training, Psychiatry/Neurology, Safety/Quality, Women's Health

Sunday, December 2

Ambulatory Care

- 1-001 Implementation of a primary prevention, population-based virtual osteoporosis clinic dramatically increases the number of rural veterans receiving osteoporosis screening and treatment,** Zachary Anderson, Shardool Patel, Grant Cannon, Karla Miller
- 1-002 Preparing outpatient pharmacies at an academic center for United States Pharmacopeia (USP) <800>,** Monazzah Sarwar, Daniel Anzalone
- 1-003 Evaluation of patients referred to a clinical pharmacy specialist for diabetes management,** Michelle Webb, Yong Moon, Suna Chung, Lisa Lea, Ivy Tonnu-Mihara

Cardiology/Anticoagulation

- 1-004 Evaluating potential predictors of bleeding events in patients taking direct oral anticoagulants,** Kaitlen Shumate, Travis Linneman, Jeffrey Jansen, Clare Freund
- 1-005 Medication use evaluation of digoxin utilization at a rural Veterans Affairs healthcare system,** Christopher Wilson, Kelly Moran, Tara Butler

Chronic/Managed Care

- 1-006 Implementing a Veterans Affairs collaboration with a school of pharmacy for population management,** Sian Carr-Lopez, Lorrie Strohecker, Randell Miyahara, Allen Shek
- 1-007 Expansion of clinical pharmacy services for the management of hypertensive patients at a Veterans Affairs healthcare system: a quality improvement project,** Taler Steir, Shawn Dalton, Bernadeane Roth, Brien Thompson, Kelly Moran
- 1-008 Medication use evaluation of bisphosphonate therapy within a Veteran Affairs healthcare system,** Taler Steir, Kelly Moran, Tara Bulter

Clinical Services Management

- 1-009 Estimation of cardiovascular disease (CVD) events by use of QRISK a atherosclerosis cardiovascular disease (ASCVD) risk assessments tools in Indian patient, Mitra Bakhshesh, Raju Koneri, Balakeshava Ramaiah
- 1-010 Assessment of the risk factors for cardiovascular events by framingham risk score and metabolic syndrome risk tool, Fatemeh Dehdari, Raju Koneri, Balakeshava Ramaiah
- 1-011 Optimizing transitions in care through implementing bedside medication delivery and counseling prior to hospital discharge, Taylor Jones
- 1-012 Targeting best chronic obstructive lung disease (COPD) documentation practices: a pharmacy-collaborative quality improvement project at a Veterans healthcare system, Audrey Lee, Linda Pham, Sharya Bourdet

Clinical Topics/Therapeutics

- 1-013 Increasing access to care for rural veterans by leveraging clinical pharmacist providers, Heather Ourth, Julie Groppi, Michael Tran, Kimberly Quicci-Roberts, Anthony Morreale
- 1-014 Evaluation of interdialytic catheter lock protocol conversion in a dialysis unit, Mustafa Lee, Patricia Chun
- 1-015 Switching to infliximab-dyyb results in no differences in clinical outcomes among patients with inflammatory bowel disease (IBD), Ivy Tonnu-Mihara, Emily Chang, Katherine Le, Douglas Nguyen

Drug Information/Drug Use Evaluation

- 1-016 Clinical considerations of sodium-glucose co-transporter 2 inhibitor use in a community setting, Sonya Babayan, Emily Leaf, Ji Eun Kim, Terri Foster
- 1-017 Analysis of prescriptions that are not recommended for use together, Kyunga Lee, Jaesong Kim, Eunsun Son, Kyenghee Kwon
- 1-018 Effect of face-to-face and website-based counseling methods in acne vulgaris knowledge improvement and retention among university students in Bekaa governorate, Lebanon, 2018, Hiba Saty, Reem Sayed, Zeina Farah, Dalal Hammoudi

Infectious Disease/HIV

- 1-019 Prognostic factors and the impact of infectious disease consultations on the management of candidemia: a tertiary hospital experience in Japan, Ryuichi Hirano, Yuichi Sakamoto, Shoji Yamamoto
- 1-020 Pharmacy-implemented hepatitis C virus (HCV) point of care (POC) test protocol to increase antibody testing in veteran birth cohort population, Jennifer Siilata, Cheree Sosin, Xai Yang

- 1-021 Effect of successful hepatitis C treatment on glycemic control and complications of type 2 diabetes mellitus in United States veterans, Amy St. Amand, Marlene Callahan

Leadership Development

- 1-022 Quarterly training days: management strategy to engage staff in burnout and depersonalization reduction, Kelly Moran, Daniel Heser, Shawn Dalton

Oncology/Hematology

- 1-023 Therapeutic adherence study to oral oncological medications, Maria Mateos Salvador, Laida Elberdín Pazos, Teresa Calleja Chuclá, Fernando Busto Fernández, María Isabel Martín Herranz

Pain Management/Palliative Care

- 1-024 Customized health information technology effectively directs care delivery in Veterans undergoing orthopedic surgery, Shardool Patel, Zachary Anderson, Amy Beckstead, Benjamin Brooke, Michael Buys

Pharmacokinetics

- 1-025 Therapeutic drug monitoring of ustekinumab in psoriasis patients with good response, Laida Elberdín Pazos, Maria Mateos Salvador, Maria Outeda Macías, Eduardo Fonseca Capdevila, María Isabel Martín Herranz

Precepting/Preceptor Skills/Education and Training

- 1-026 Introductory overview session and its effect on student performance, Jason Guy

Psychiatry/Neurology

- 1-027 Doxazosin for the treatment of nightmares and night sweats in a veteran population, David Charles-tham, Nader Nassar, Jessica Vincent, Rachel Rose
- 1-028 Implementation of clinical pharmacy services in the management of alcohol use disorder at a rural Veterans Affairs healthcare system: a quality improvement project, Christopher Wilson, Shawn Dalton, David Dixon, Catherine Scalley

Safety/Quality

- 1-029 Effective methods to detect medication errors in surgical wards by clinical pharmacist at a tertiary care hospital in Bangalore: a single blinded prospective observational study, Badr Ali Gassar, Raju Koneri, Balakeshva Ramaiah, Mustafa Ali
- 1-030 Prospective study on off-label use of anesthetics and analgesic in a tertiary care hospital-clinical pharmacist intervention, Kiana Hamed, Raju Koneri, Balakeshava Ramaiah

- 1-031 **Evaluation of adverse drug reactions related clinical decision support alert overrides in the inpatient setting**, Minkyoungh Kang
- 1-032 **Interdisciplinary medication event team's process improvement for handling of inpatient concentrated regular insulin U-500**, Christopher Siegler, Melissa Moriarty, Isabel Sanvanson-Karceski, Richard Rooney

Women's Health

- 1-033 **Assessing the suitability and efficacy of a single dose intramuscular methotrexate in ectopic pregnancy at a tertiary care Obstetric setting in Qatar**, Binny Thomas, Pallivalappila Abdulrouf, Wessam Elkassem, Mahmoud Mohammed Gasim, Moza Al Hail

Professional Posters

Categories: Administrative Practice/Financial Management/ Human Resources, Cardiology/Anticoagulation, Clinical Topics/Therapeutics, Drug Information/Drug Use Evaluation, Infectious Disease/HIV, Pain Management/Palliative Care, Pharmacy Technicians: Competencies/Development/ Other, Professionalism and Career Development, Women's Health

Monday, December 3

Administrative Practice/Financial Management/ Human Resources

- 4-001 **Incidence of burnout in critical care pharmacists**, Amanda Ball, Jennifer Schultheis, Hui-Jie Lee, Paul Bush
- 4-002 **Innovative residency and fellowship program narrows leadership gap: a view from key stakeholders**, Dominick Caselnova, Julie McCoy, Michael Millard, James Myres, James Milner
- 4-003 **Sterile compounding workflow optimization to conserve fluids and reduce waste in the setting of drug shortages through the use of IV workflow software**, Thomas Chranowski
- 4-004 **Courtesy medication assistance**, Cynthia Coffey, Lynn Stivers, Victoria Sisitka, Nehemiah Thrash, Leah West
- 4-005 **Improving bedside medication delivery program to increase prescription capture rate and expedite patient discharges**, Cynthia Coffey, Victoria Sisitka, Logan Van Wagenen, Eric Stone, Cynthia Williams
- 4-006 **Implementation of premixed bivalirudin in a community-hospital cardiac catheterization laboratory**, Rachel Cordrey
- 4-007 **Implementation of a radiofrequency tagging system to manage drug kits and trays**, Kevin Doherty

- 4-009 **Transition from intravenous infusion to intravenous push administration of selected antibiotics as a clinically neutral cost savings measure**, Paul Green, Ashley Halloran, Victoria Nosowicz, Laura Aylor
- 4-010 **Optimizing purchases by leveraging sub-wholesale acquisition cost contract pricing at a 340B covered entity**, Gabriel Guerra, Bijan Mekoba, Kenny Yu, Mark Capuano, Kenneth Eng
- 4-011 **Rationale and cost savings of a conversion to fluticasone-vilanterol inhaler in a large health system**, Eddie Gutshall, Adrienne Donaldson
- 4-012 **Quantifying costs of high dollar pharmaceutical expenditures in light of a 340B drug pricing program in a county health system**, Andrea Henry, Jackie Brown, Goldina Erowele
- 4-013 **Post implementation analysis: Impact of intravenous automation systems on health-system pharmacy operations**, Craig Kimble, Ken Maxik, Chris Booth, Michael Rudolph, Kim Broedel-Zaugg
- 4-014 **Utilizing purchase data to compare opioid usage between acute care facilities within a regional group purchasing organization**, Jayne Lepage, Jennifer Raltz, Teresa Tronerud, Shanti Maheshwari
- 4-015 **Application of kaizen philosophy to improve pharmacy operations in a community hospital**, John Lubkowski, Amy Hougan
- 4-016 **Financial impact of ambulatory care pharmacists in primary care**, Yi Shi, Heidi Rens
- 4-017 **Increasing operational efficiency and drug cost savings by partnering with a regional GPO and unit-dose packaging vendor**, Hope Violette, Christine Dash, Teresa Tronerud, Mark Leney, Jayne Lepage
- 4-018 **Strategy to eliminate waste with metered dose inhalers (MDIs) in adult chronic obstructive pulmonary disease (COPD) patients in an acute care community hospital**, Maria Ware, Tam Nguyen

Cardiology/Anticoagulation

- 4-019 **Sacubitril/valsartan coverage and Medicare Part D beneficiaries: the early years**, Sarah Alasmay, Matthew Silva
- 4-020 **Does body mass index (BMI) influence warfarin dosing requirements? a retrospective cross-sectional study from Qatar**, Eman Alhmoud, Dana Bakdach, Mohammed Abdulgelil, Walid Mekkawi
- 4-021 **Clinical pharmacist interventions in the management of hospitalized patients on warfarin**, Mustafa Ali, Balakeshwa Ramaiah, Raju Koneri, Badr Gassar
- 4-022 **Anticoagulant therapy utilization pathways in patients with recent venous thromboembolism**, Fady Allahwerdy, Steven Pan, Michael Feehan, Mark Mungar, Daniel Witt
- 4-023 **Comparison of two weight caps in an anti-Xa based heparin protocol**, Jennifer Brandt

- 4-024** Body mass index and outcomes of dual antithrombotic therapy with dabigatran and a P2Y₁₂ inhibitor in atrial fibrillation patients undergoing percutaneous coronary intervention: RE-DUAL PCI, Raffaele Caterina, Jonas Oldgren, Matias Nordaby, Deepak Bhatt, Christopher Cannon
- 4-025** Effective reversal of dabigatran anticoagulation by idarucizumab in patients with renal impairment, John Eikelboom, Paul Reilly, Joanne van Ryn, Jeffrey Weitz, Charles Pollack
- 4-026** Impact of direct oral factor-Xa inhibitors on therapeutic unfractionated heparin monitoring in an anti-factor Xa based protocol, Tia Hintz, Nichole Braathen, Ashley Hellerman-Rankin, Jeff Marshall, Stacy Schoepke
- 4-027** Impact of renal function on dual antithrombotic therapy with dabigatran in patients with atrial fibrillation undergoing percutaneous coronary intervention: RE-DUAL PCI, Stefan Hohnloser, Jonas Oldgren, Georg Nickenig, Deepak Bhatt, Christopher Cannon
- 4-028** Dual antithrombotic therapy with dabigatran versus triple therapy with warfarin after percutaneous coronary intervention in patients with atrial fibrillation and diabetes mellitus, Michael Maeng, Deepak Bhatt, Stefan Hohnloser, Jur ten Berg, Christopher Cannon
- 4-029** Analysis of cost-effectiveness of betrixaban compared with enoxaparin for prophylaxis of venous thromboembolism in nonsurgical patients with acute medical illness in the United States, W. Richey Neuman, Vicki Laskier, Holly Guy, Steven Deitelzweig, Alexander Cohen
- 4-030** Risk of cardiovascular events in patients with rheumatoid arthritis in a Texas population, Elmor Pineda, I-Chia Liao, Paul Godley, Stephanie Yu
- 4-031** Understanding patient's access to care barriers in the treatment of venous thromboembolism, Timothy Pulley, Casey Tak, Daniel Witt, Michael Feehan, Mark Munger
- 4-032** Evaluating the dose of heparin in acute limb ischemia, Brandon Reiff, Austin Oyen, Adam Goetz, Michael Erickson
- 4-033** Patient characteristics and statin prescribing patterns after an acute cardioembolic stroke, Michael Scalese, James Landry
- 4-034** Vasospastic myocardial infarction following use of synthetic marijuana, Michael Scalese
- 4-035** Development and implementation of a novel tool for med-induced QTc monitoring and review of physician feedback, Laura Schulz, Rachel Muhlenkamp, Kristi Ziegenbusch
- 4-036** Assessing the impact of sacubitril/valsartan on cardiovascular remodeling parameters, Randall Sharp, Lisa Appeddu, Nadia Sirajuddin, Riaz Sirajuddin
- 4-037** Analysis of a large U.S. national study of patient satisfaction during a recent venous thromboembolism episode, David Webb, Casey Tak, Daniel Witt, Michael Feehan, Mark Munger
- 4-038** Impact of a change in preferred pharmacologic nuclear stress testing agent from regadenoson to adenosine in a community hospital, Sarah Yohey, Dustin Spencer, Jennifer Van Cura, Jessica Sun

Clinical Topics/Therapeutics

- 4-039** Risk of diabetic ketoacidosis in patients with type II diabetes mellitus upon dapagliflozin initiation, Dania Alkhiyami, Abdullah Shawky, Mustafa Seid Ahmed Mustafa
- 4-040** Long-term effect of tiotropium plus olodaterol fixed-dose combination therapy on heart rate and blood pressure in chronic obstructive pulmonary disease patients, Stefan Andreas, Matjaz Flezar, Peter Alter, Roland Buhl, Matthias Trampisch
- 4-041** Characterization of adults with type 2 diabetes and controlled glycemia: a comparison of lifestyle management versus anti-hyperglycemic treatment, Nima Ataei, Yana Vorontsova, Karina Gutierrez, Alexandra Perez, Ana Castejon
- 4-042** Forced vital capacity response to 2.5 microgram tiotropium Respimat in adult patients with moderate or mild symptomatic asthma, Peter Frith, David Halpin, Benjamin van Hecke, Ralf Sigmund, Huib Kerstjens
- 4-043** Therapeutic interchange protocol of orally inhaled medications to administration via nebulizer: impact on the incidence of therapeutic duplication, Jason Glick, Elizabeth Gonzalez
- 4-044** Therapeutic interchange protocol of orally inhaled medications to administration via nebulizer: impact on the incidence and cost of wasted doses, Jason Glick, Elizabeth Gonzalez
- 4-045** Therapeutic interchange protocol of orally inhaled medications to administration via nebulizer: effect on workload of respiratory therapists and registered nurses, Jason Glick, Elizabeth Gonzalez
- 4-046** Therapeutic interchange protocol of orally inhaled medications to administration via nebulizer: financial impact, Jason Glick, Elizabeth Gonzalez
- 4-047** Effect of an insulin pump orderset on the safety and efficacy of insulin pumps in hospitalized patients, Brad Hein, Jessica Thorburn, Matt Keeler
- 4-048** Cost-saving opportunities among hospitalized community-acquired pneumonia patients treated with omadacycline, an aminomethylcycline antibiotic with IV and oral formulations, compared to ceftriaxone and macrolide therapy, Kenneth LaPensee, Thomas Lodise

- 4-049 Cost-savings analysis with use of omadacycline among hospitalized community-acquired pneumonia patients at risk of *Clostridium difficile* infection being treated with moxifloxacin: budget impact model findings**, Kenneth LaPensee, Thomas Lodise, Rohit Mistry, Kate Young
- 4-050 Gastrointestinal tract recovery in patients undergoing selected surgical procedures**, Mark Malesker, Sarah Aurit, Daniel Hilleman
- 4-051 Adult patients experiencing mild or moderate atopic dermatitis are significantly impacted by their condition: results from a real-world study in the United States**, Daniela Myers, Jonathan Silverberg, Peter Anderson, Joseph Cappelleri, Robert Gerber
- 4-052 Preliminary evaluation of addition of transgender patient care into a doctorate of pharmacy curriculum**, Cheyenne Newsome, Li-Wei Chen, Jessica Conklin
- 4-053 Effect of patiomer on serum potassium in hyperkalemic patients with severe chronic kidney disease on RAAS inhibitors: results from OPAL-HK and AMETHYST-DN**, Steven Woods, Alain Romero, Paula Alvarez, David Bushinsky
- Drug Information/Drug Use Evaluation**
- 4-054 Benzodiazepines safety and effectiveness in alcohol withdrawal management in medical ward**, Dania Alkhiyami, Sara Hayder Ahmed, Aml Hamad
- 4-055 The impact of adherence to antidiabetic medications on the quality of life (QoL) of diabetic patients in Dammam Saudi Arabia**, Dhfer Alshayban
- 4-056 Proton pump inhibitors utilization and hospital acquired *clostridium difficile* infections in a community teaching hospital**, Kelly Bach, Alyssa Hopsicker, Tasha St. John, Finnella Morgan, Sara Bassi
- 4-057 Retrospective evaluation and tracing of heparin infusion protocol use in a community hospital (RETRO-HEP)**, Crystal Bofo, Ashmi Philips, Mini Varghese, Rani Madduri, Navin Philips
- 4-058 Evaluation of the prophylactic use of proton pump inhibitors in hospital settings**, Jassem Bourji, Mohamad Mahdi Farhat, Diana Malaeb
- 4-059 Potentially inappropriate medication prescribing in elderly patients with chronic kidney disease: an observational study**, Bahia Chahine, Lama Faddoul, Rayane Saad
- 4-060 Review of oral anticoagulant use in a community hospital**, Justin Deguzman, Ashmi Philips, Rani Madduri, Mini Varghese, Navin Philips
- 4-061 Prevalence and clinical consequences of contraindicated repaglinide-gemfibrozil interaction in an ambulatory setting**, Chia-Chen Hsu, Yi-Yen Chen, Yueh-Ching Chou, Chia-Lin Chou, Yuh-Lih Chang
- 4-062 Characterizing patients initiating abaloparatide, teriparatide, or denosumab in a real-world setting: a U.S. linked claims and EMR database analysis**, Erik Imel, Kathryn Starzyk, Rich Gliklich, Keith Hines, Setareh Williams
- 4-063 The impact of implementation of a medication algorithm for drug-naïve patients with type 2 diabetes mellitus in an academic teaching hospital in Japan**, Makiko Iwasawa, Ayae Suzuki, Koichiro Atsuda, Akinori Hayashi
- 4-064 Multi-faceted effects of SGLT2 inhibitor in diabetic patients with metabolic liver disease**, Koichi Kataoka, Manami Okamoto, Motoki Nishida, Yasuyo Morita, Mitsuhiro Miyamura
- 4-065 Interaction between placitaxel and clopidogrel: relevance in clinical practice**, Yoor Labeaga, Ana Lozano, Cristina Martínez-Múgica, Rubén Pampín, Belén Rodríguez
- 4-066 Medication utilization evaluation and prescribing patterns of direct oral anticoagulants**, Noura Makki, Ahmad Sinno, Marwan Akel, Mariam Dabbous, Michelle Cherfan
- 4-067 Case control study about the risk of pancreatic cancer with dipeptidyl peptidase-4 inhibitors (DPP4I) in Lebanon**, Maryline Mansour, Faten Awada, Nathalie Lahoud, Sylvia Saade, Jihan Safwan Saade
- 4-068 Cost savings initiatives for infliximab use in a county hospital system**, Jacqueline Milton-Brown, Andrea Henry, Goldina Erowele
- 4-069 Curtailing the use of high risk medications in the elderly at a county health system**, Jacqueline Milton-Brown, Goldina Erowele, Andrea Henry
- 4-070 Retrospective study investigating the adherence to guidelines in using albumin for inpatients in Lebanese hospitals**, Amani Moujalled, Malak Reda, Nathalie Lahoud, Razan Mhanna
- 4-071 Assessment of adherence to restrictive guidelines for convaptan administration at a community hospital**, Michelle Poole
- 4-072 Shortage-related requests received by a drug information center: a descriptive analysis of affected drugs and resources supporting recommendations for management**, Ryan Rodriguez, Yesha Patel, Laura Koppen, Lara Ellinger
- 4-073 Patterns of prescribing neuropathic pain drugs in the Lebanese community: a cross-sectional study**, Tarek Selman, Hady Jabado, Bahia Chahine
- 4-074 Validity of utilization and efficacy of teriparatide prescription**, Ock Yoon, Seon-Young Min, Youn-Joo Jung, Hyokeun Jeong

Infectious Disease/HIV

- 4-075** **Impact of antimicrobial stewardship on appropriate initiation of antibiotic therapy**, Mohammed Aljamal, Abdelaziz Galdigoun
- 4-076** **Evaluation of *Acinetobacter baumannii* pneumonia among critically ill patients in a tertiary care hospital in Saudi Arabia**, Duaa Alsulaiman, Alhanouf Almalaihi, Anhar Alzaydi, Nada Alhamad, Dhafer Alshayban
- 4-077** **Impact of implementing a pharmacist driven intervention antimicrobial stewardship report in the incidence of healthcare associated clostridium difficile infections**, Diana Andrade, Paulo Fernandes, Alexandra Perez
- 4-078** **Duration of therapy in community-acquired pneumonia (CAP) and the role of procalcitonin**, Sahand Askarian, Sara Utley, Cassandra Gibbes
- 4-079** **Implementation of an antimicrobial stewardship prospective audit strategy in a critical access hospital**, Meghan Aslanian, Erin Duxtater, Katherine Shea
- 4-080** **Impact of an antimicrobial stewardship-focused advanced pharmacy practice experience (APPE) on a vancomycin drug monitoring service**, Priscilla Ayala
- 4-081** **Risk of acute kidney injury in patients on concomitant vancomycin and piperacillin-tazobactam compared to those on vancomycin and cefepime at a community hospital**, Gloria Cheng, Charlie Huang, Mary Anne Renette Jose
- 4-082** **Economic burden of bloodstream infection among those who survive or die during the inpatient hospitalization: analysis of 2015 National Inpatient Sample**, Courtney Coles, Iris Tam, Tahira Wangnoo, Pamela Hawn, Matthew Gitlin
- 4-083** **Impact of vancomycin loading doses on methicillin resistant *staphylococcus aureus* (MRSA) minimum inhibitory concentrations**, Marsha Crader, Jacob Painter
- 4-084** **Evaluation of the development of acute kidney injury in patients receiving piperacillin-tazobactam with concomitant vancomycin or telavancin**, Shela Delos Reyes, Cristen Whittaker, Shimeng Liu, Puja Trivedi, Joseph Reilly
- 4-085** **Evaluating the impact of opioids on length of stay in patients with clostridium difficile infections**, Monica Do, Jon Herrington, Esther Yi, Kiumars Zolfaghari
- 4-086** **Impact of a urinary tract infection treatment pathway on antimicrobial prescribing within a community hospital**, Alyssa Donadio, Heidi Clarke, Erika Dittmar
- 4-087** **The prevalence of all types of infections among schizophrenic patients residing in a Lebanese tertiary hospital**, Mia Farage, Antonios Darcy, Etwal Bou Raad
- 4-088** **Evaluation of antibiotic prescribing for acute otitis media in children in a rural outpatient setting**, Austin Farnstrom, Shannon Short, Michelle Wessling
- 4-089** **Evaluation of a pharmacist-led urgent care antimicrobial stewardship program**, Lauren Fay, Lisa Dumkow, Lauren Wolf, Kasey Brandt, Gerald DeYoung
- 4-090** **Sepsis rapid response team performance improvement initiative**, Lama Kanawati, Wafaa Abou-Zeineddine, Victoria Ly, Lisa Peters, Margaret Breakenridge
- 4-091** **Impact of antimicrobial stewardship program implementation on antibiotic expenditures, bacterial resistance, and *Clostridium difficile* incidence at a suburban community hospital**, Eugene Kolomiyets, Ihab Ibrahim, Howard Sussman, Tamar Berger
- 4-092** **Infectious endocarditis by *staphylococcus aureus*: adequacy of treatment and morbimortality**, Yoar Labeaga, Ana Lozano, Aitor Ayastuy, Rubén Pampín, Beatriz Fernández
- 4-093** **Sustained virologic response rates after hepatitis C virus treatment in patients born between 1945 and 1965**, Michelle Martin, Darby Rosenfeld, Nadia Nabulsi, Todd Lee
- 4-094** **Evaluating the increase in carbapenem use in a large, tertiary care, metropolitan hospital with antibiotic utilization monitoring by the antibiotic stewardship program (ASP)**, Dhara Mehta, Tania Kupferman, Bella Kohn, Densie Dong, Michael Blumenfeld
- 4-095** **Efficacy of posaconazole delayed-release tablet for prevention of invasive fungal disease during chemotherapy-induced neutropenia**, Yuumi Miyazawa, Helen Lee
- 4-096** **TeleStewardship services in combination with rapid blood pathogen detection increased antimicrobial stewardship interventions and improved compliance with Joint Commission Standards for Antimicrobial Stewardship**, Ashleigh Mouser, John Horne, Renuga Vivekanandan
- 4-097** **Impact of a levofloxacin restriction program on utilization in a community hospital**, James Nicholson, Katy Wright, Charles Ashley, Katherine Shea
- 4-098** **Impact of a pharmacist-driven methicillin-resistant *staphylococcus aureus* (MRSA) nasal polymerase chain reaction ordering protocol on the duration of antibiotic therapy for pneumonia**, Liliana Pimentel, Christopher Fronczek, Jonathan Grey, Kerry Marr
- 4-099** **Impact of an antimicrobial stewardship initiative to decrease the use of fluoroquinolones in the treatment of urinary tract infections in hospitalized patients**, Christine Price, Arielle Ruff, Jonathan Grey, Ryan Dunn
- 4-100** **Reducing fluoroquinolone usage by partnering with the microbiology lab**, Angharad Ratliff, Thomas Wadsworth
- 4-101** **Implementation of an antimicrobial stewardship program (ASP) in a 300-bed, acute care, teaching hospital: three years later**, Leonor Rojas, Rebecca Jayakumar, Cynthia Derouin, Cara Fanning

- 4-102 **Implementation of an antimicrobial stewardship program for nursing home patients**, Judy San, Jose Dryjanski, Norman Jung, Lisa Rosa, Christine Balekian
- 4-103 **Does utilization increase when a brand name antibiotic goes generic?** Justin Santos, Cassandra Miller, Kristi Kuper
- 4-104 **Microbiological profile and escherichia coli resistance patterns in diabetic foot infections and urinary tract infections among Lebanese patients**, Mohammad Sehane, Jassem Bourji
- 4-105 **Impact of a small and rural hospital antimicrobial stewardship alliance on regulatory compliance**, Katherine Shea, Jennifer VanCura, Oscar Guzman
- 4-106 **Risk of nephrotoxicity with the use of piperacillin-tazobactam: retrospective analysis in a community hospital**, Bradley Shinn, Brandon Soltesz
- 4-107 **Assessment of an antimicrobial stewardship program one year after implementation in a community hospital**, Bradley Shinn, Jenna Conner, Todd Leopold, David Comshaw, James Nelson
- 4-108 **Cost-benefit of inpatient pharmacist administered penicillin allergy skin testing**, Nicholas Skibba, Janet Fischer, Brittany Elgersma, Brady Diveley, Nicole Rasmussen
- 4-109 **Implementation of a meropenem dose optimization protocol in a long-term acute care hospital**, Jamie Stocker, Katherine Shea, Jennifer Van Cura
- 4-110 **Health economic value of plazomicin versus colistin in the treatment of carbapenem-resistant enterobacteriaceae bloodstream infections: a cost-effectiveness analysis**, Iris Tam, Pamela Hawn, Shawn Heiney, Courtney Coles, Matthew Gitlin
- 4-111 **Health economic value of plazomicin versus meropenem in the treatment of complicated urinary tract infections including acute pyelonephritis: cost-effectiveness analysis**, Iris Tam, Pamela Hawn, Shawn Heiney, Courtney Coles, Matthew Gitlin
- 4-112 **De novo hepatocellular carcinoma (HCC) and HCC recurrence in hepatitis C virus patients treated with oral direct-acting antiviral and interferon-based regimens**, Hannah Underwood, Alicia Lichvar, Michelle Martin
- 4-113 **Evaluation of renal and bone and safety in patients with CHB and chronic kidney disease treated with tenofovir alafenamide in post liver transplantation**, Toan Vo, Edward Gane, Hongyuan Wang, John Flaherty, Anuj Gaggar
- 4-114 **Utilizing days of therapy per 1000 patient days to further develop an antimicrobial stewardship program on a transition of care unit**, Kristi Ziegenbusch, Jessica Walles
- 4-115 **Referral source matters: hepatitis C cascade of care for traditional versus emergency department referrals**, Autumn Zuckerman, Megan Peter, Jakea Johnson, Karen Miller, Cody Chastain

Pain Management/Palliative Care

- 4-116 **Pharmacokinetic-pharmacodynamic relationship observed with the investigational extended-release, non-opioid analgesic HTX-011**, Joseph Dasta, Jayne Pawasauskas, Barry Quart, Thomas Ottoboni, Alice Chu
- 4-117 **Self-assessment of neuropathic pain treatment among patients with cervical or lumbar radiculopathy in Lebanon**, Hadi Jabado, Tarek Selman, Bahia Chahine
- 4-118 **Use of opioids before and after common elective surgical procedures: an analysis of Aetna fully insured commercial and Medicare populations**, Ajay Sharma, Amiee Kang, Arun Tiwari, Rajesh Mehta, Simon Dagenais

Pharmacy Technicians: Competencies/Development/Other

- 4-119 **Optimizing patient care by utilizing a pharmacy technician in ambulatory settings**, Jody Beach, Robin Brennan, Caprice Torrance, Julianna Filluzzi
- 4-120 **Increased emergency department order processing by using remote support staff**, James Furr, Cara Rozell
- 4-121 **Implementation of a pharmacy validation technician program**, Michelle Porter, Marci Knorr, James Mundy

Professionalism and Career Development

- 4-122 **Impact of continuous professional pharmacy development at Hamad Medical Corporation, Qatar**, Dania Alkhiyami, Sara Mahmoud, Palli Abdulrouf, Rasha El Anany
- 4-123 **Current status of residency-trained pharmacists in Saudi Arabia**, Hussain Bakhsh, Hussam Kutbi, Shorouq Alessa, Laila Jamjoom, Najwa Alshamrani
- 4-124 **Perceived stress and discrimination among working pharmacist moms**, Evangelina Berrios-Colon, Suzanne Soliman, Charnicia Huggins, Batoul Senhaji-Tomza, Levita Hidayat
- 4-125 **Implementation of a pharmacy technician training program within a multi-hospital healthcare system**, Yanela Lozano, Farah Zuberi, Susan Mitchelson, Teckenbrock Amanda, Mariamo Oyeбанjo
- 4-126 **Preparing pharmacy students to respond to ethical dilemmas encountered in practice using the format of an interdisciplinary ethics quiz bowl**, Sharon Ternullo, Jason Guy, Cynthia Goodwin
- 4-127 **Impact of student involvement on attainment of an initial interview for postgraduate training programs in a graduating class of P4 pharmacy students**, Tucker Ward, Eli Philips, Stefanos Torkos, Jenny Mullakary, David Schnee

Women's Health

- 4-128 **Potential risk of herb-drug interactions during pregnancy: a cross-sectional survey**, Pallivalappila Abdulrouf, Moza Al Hail, James McLay, Derek Stewart
- 4-129 **Multi-center prospective study of breast cancer screening knowledge, attitude, and practice in hospital employed Lebanese women**, Maha Zeitouni, Tarek Jenani, Razan Mhanna

Tuesday, December 4

Categories: Ambulatory Care, Chronic/Managed Care, Clinical Services Management, Critical Care, Emergency Medicine, Geriatrics, Home Care, Informatics/Technology/Automation, IV Therapy/Infusion Devices, Nutrition Support, Oncology/Hematology, Pediatrics, Pharmacokinetics, Pharmacy Law/Regulatory/Accreditation, Precepting/Preceptor Skills/Education and Training, Psychiatry/Neurology, Safety/Quality, Small and/or Rural Practice, Transplant/Immunology

Ambulatory Care

- 7-001 **Clinical and financial outcomes for a multidisciplinary chronic obstructive pulmonary disease (COPD) clinic—two years of experience**, Britt Cummins, Craig Baker
- 7-002 **Clinical and financial outcomes for a multidisciplinary heart failure clinic—three years of experience**, Britt Cummins, Craig Baker
- 7-003 **Clinical and financial outcomes for a multidisciplinary transitions of care program and clinic**, Britt Cummins, Craig Baker
- 7-004 **Characteristics of adults with a history of uncontrolled type 2 diabetes within a federally qualified health center**, Jessica Downes, Don Klepser, Corey Paz
- 7-005 **Evaluation of pharmacist intervention on closure of quality gaps in a merit based payment system within an accountable care organization (ACO)**, Alyssa Gallipani, Robert Adamson, Indu Lew, Jennifer Sternbach, Samantha Williams
- 7-006 **Pharmacists role in pain management of pediatric patients after tonsillectomy after discharge**, Joedell Gonzaga, Robert Money Penny, Joe Gonzaga
- 7-007 **Associated unilateral facial swelling and skin rash in a patient on warfarin**, Timothy Hudd, Pirneeka Chugh, Kathy Zaiken, Nathan Samuels, Judy Cheng
- 7-008 **Role of pharmacists in reducing heart failure readmissions in the community setting**, Ying Wu Liu, Jered Arquette
- 7-009 **Hepatitis C virus treatment with elbasvir/grazoprevir in a diverse patient population at an urban academic medical center**, Michelle Martin, Yu-Han Chen, Nadia Nabulsi, Todd Lee

- 7-010 **Implementation of pharmacy services in a home health program**, Michael Mauri, Rani Madduri, Ashmi Philips, Mini Varghese, Navin Philips
- 7-011 **Clinical response to generic fluticasone propionate/salmeterol multidose, dry-powder inhaler in asthma patients managed at an ambulatory care practice setting**, Patrick McCarthy, Tanya Iliadis, Kathy Zaiken
- 7-012 **Implementation of pharmacy services in an outpatient heart failure clinic**, Kayla McIntyre, Amy Knoblock, Shelby Gaudet
- 7-013 **Best practices for safe use of SGLT-2 inhibitors developed from an expert panel Delphi consensus process**, Lauren Pamulapati, Charmaine Rochester-Eyeguokan, Kathleen Pincus
- 7-014 **Prescribing patterns of patients with type 2 diabetes from a federally qualified health center**, Corey Paz, Jessica Downes, Don Klepser
- 7-015 **Assessing the landscape of clinical pharmacy services in federally qualified health centers**, Jennifer Rodis, Alexa Valentino, Victoria Williams, Junan Li, Ashley Ballard
- 7-016 **Improving diabetes self-management via pharmacist run diabetes education group classes**, Nataliya Scheinberg, Jamie Huff, Lauren Donohue, Roger Pritchard, Clyde Schechter
- 7-017 **Association between anticoagulation clinic visit compliance and therapeutic international normalized ratio (INR) result**, Stephanie Seyse, Ashley Woodruff
- 7-018 **Reducing infusion wait time for patients with infusion only appointments: a pilot to premix continuing oncology medications**, Mark Sudol, Sylvia Bartel, Rachel Wolfberg, Barbara Fine, Jillian Hoffman
- 7-019 **Counseling referrals and abstinence for veterans enrolled in smoking cessation (CRAVES)**, Ivy Tonnu-Mihara, Karen Ling, Thao Nguyen
- 7-020 **Knowledge, confidence, and motivations of pharmacists in providing tobacco cessation services**, Kari Trapskin, Erica Martin, Jocelyn Good, Heidi McClelland
- 7-021 **Pharmacist driven hepatitis B screening and/or vaccination in patients treated for hepatitis C**, Lisa Woolard, Babafunlola Davis, Sarah Yoo

Chronic/Managed Care

- 7-022 **Knowledge and practice of Lebanese community pharmacists in the self-management of low back pain: a cross sectional study**, Sarah Moustafa, Fouad Sakr, Nathalie Lahoud, Marwan Akel, Mariam Dabbous
- 7-023 **Impact of a novel, pharmacist-led digital medicine program on medication adherence and hospital utilization in heart failure patients**, Tabassum Salam, Dominique Medaglio, Lisa Deal, Melody Tran, Scooter Plowman

- 7-024 **Impact of a pharmacist-led antibiotic audit program at two long term care facilities**, Robert Shuminski
- 7-025 **Correlation of clinical outcomes with glucose test strip dispensing in patients with stable type 2 diabetes in a Veterans Health Administration Hospitals Network**, Ivy Tonnu-Mihara, Renee Castillo, Catherine Lo, Stephanie Wong, Eddie (Shinn) Wong
- 7-026 **Impact of a value-based insurance design on chronic obstructive pulmonary disease (COPD) medication adherence and health care utilization**, Esther Yi, Kiumars Zolfaghari, Karen Rascati, Paul Godley

Clinical Services Management

- 7-027 **Practice development: implementation of pharmacist-managed early switch from IV to PO therapy using electronic identification at a tertiary academic hospital**, Alaa Babonji, Bayan Darwesh, Maha Al-Alawi
- 7-028 **Improved patient access to HCV treatment: DAA inclusion across state Medicaid formularies one year later in 2018**, Kelsey Bridgeman, Jane McCullough, Juliana Chan
- 7-029 **Advancing the role of pharmacy technicians to improve discharge medication bedside delivery**, Sarah Cox, Laura Butkovich, Julia Chisholm
- 7-030 **Implementation of a comprehensive transitions of care stewardship bundle initiative on Clostridium difficile infection management**, Victoria Hetherington, Nicole Bookstaver, Julie Justo, Joseph Kohn, P Brandon Bookstaver
- 7-031 **Population health service: utilizing care support resources to improve care**, Yvette Holman, Zach McCall McCall, Melinda Muller, Jon Hersen, Heidi Mahoney
- 7-032 **Impact of short messaging service (SMS) technology in patient outcomes with specialty chronic diseases at a specialty pharmacy**, Kelly Mathews, Jenna Gianninoto, Oliver Goal, Daniel Lok, Aaron Wilkerson
- 7-033 **Evaluating the effects of a multidisciplinary transition care management program on hospital readmissions**, Margie Snyder, Carrie Krekeler, Heather Jaynes, Hannah Davis, Alan Zillich
- 7-034 **Parental acetaminophen use analysis at a community teaching hospital**, Karen Trenkler, Dallas Schepers, Andrew DeSio, Tejal Patel
- 7-035 **Preliminary results of a national public survey on the perception of pharmacists and the barriers to utilizing pharmacy services**, Huyen Vu, Fadia Shaya, Magaly Rodriguez de Bittner

Critical Care

- 7-036 **Analysis of adverse drug reactions in surgical intensive care unit at tertiary care teaching hospital in Korea**, Eun Ji Lee, Su-Hyun Ryu, Yun Hee Jo, Yoon Sook Cho

- 7-037 **Effects of designated pharmacist on intervention and cost avoidance in the surgical intensive care unit**, Sangmi Shin, Eunjeong Heo, Jeongwha Lee, Eunsook Lee, Euni Lee

Emergency Medicine

- 7-038 **Free-standing emergency departments without pharmacy on-site: how one team provided high-level patient care virtually**, Valerie Budinger, Kellie Musch
- 7-039 **Evaluation of urinary tract infection treatment in a community hospital emergency department**, Melanie Flinn, Jacqueline Pitts, Rincy Chacko, Sadiq Shaikh
- 7-040 **Opioid prescribing at emergency department discharge for headache and migraine following implementation of an opioid-free acute management algorithm**, Laura Koons, Daniel Longyhore, Justin Miller
- 7-041 **Organized chaos: precepting in a community hospital emergency department**, Kimberly Levang
- 7-042 **Team approach to stroke center certification improves fibrinolytic door-to-needle time in acute ischemic stroke**, Kevin Maeda, Steve Dzierba, Lilia Padilla, Charles Bryan, Bradley Reinke
- 7-043 **Decreasing opioid use for the treatment of headache and migraine in the emergency department and the effect on revisit rate**, Justin Miller, Laura Koons, Daniel Longyhore
- 7-044 **Drug related problems in emergency department at a major tertiary hospital in Riyadh, Saudi Arabia: a prospective, observational study**, Sultan Mubarki, Khalid Alyahya, Mohammed Alshahrani, Huda Aldossari, Neemat Elhaj
- 7-045 **Assessing acute pain management in the emergency department in a Lebanese hospital**, Marwan Sheikh-Taha, Karen Sleem, Sarah Kanj, Hiba Farhat, Ali Khalil

Geriatrics

- 7-046 **Utilization of quetiapine during hospitalization and at discharge**, Michael Angelini, Kenzi Lopes-Pimental, Kayla Carey, Kenneth Eugenio
- 7-047 **Nitrofurantoin use in frail, community-dwelling, older adults with renal impairment: a retrospective chart review on safety and efficacy**, Nicole Cheung, Carlene Chung, Jessica Chen, Carla Bouwmeester
- 7-048 **Pharmacist interventions involving patient outreach: early findings of patient outcomes in older adults**, Matthew Fair, Michelle Omari-Okyere, Elie Jabbour, Brenda Frutos, Nyann Biery
- 7-049 **Prescribing patterns and healthcare costs among patients with gout**, Yi-yun Lee, Li-Na Kuo, Jin-Hua Chen, Yi-Chun Lin, Lung-Fang Chen

Home Care

- 7-050 **Incidence, nature and causes of medication errors at home healthcare in Qatar**, Wessam Elkassem, Pallivalappila Abdulrouf, Binny Thomas, Syed Muqarrabeen, Moza AlHail

Informatics/Technology/Automation

- 7-051 **Impact of patient-controlled analgesia (PCA) smart pump-electronic health record (EHR) interoperability with auto-documentation on chart completion in a community hospital setting**, JW Beard, Tina Suess, Barbara Trohimovich
- 7-052 **Impact of smart pump-electronic health record (EHR) interoperability with auto-documentation on infusion-therapy common procedural terminology (CPT) code billing claims at a community hospital**, JW Beard, Tina Suess, Michael Ripchinski, Matthew Eberts
- 7-053 **Integration of automated dispensing and inventory systems provides monthly inventory monitoring and improved inventory turns in a community hospital pharmacy**, David Dirig, Crystal Castaneda, Matthew Hamilton, Leonid Sokolskiy
- 7-054 **Comparison of medication errors detected at small versus large hospital sites utilizing technology-assisted workflow**, Stephen Eckel, Jordyn Higgins, Thomas Cerbone, Jennifer Civiello, Sarah Hardt
- 7-055 **Compounded sterile product preparation time at small compared to large hospital sites utilizing technology-assisted workflow**, Stephen Eckel, Jordyn Higgins, Thomas Cerbone, Jennifer Civiello, Sarah Hardt
- 7-056 **Burden of intravenous compounding errors and impact of gravimetric verification-based intravenous preparation workflow solution**, Smeet Gala, Smeet Gala, Wanfei Yang, Brent Hale
- 7-057 **An evaluation of inappropriate fluoroquinolone prescribing after the implementation of a best practice alert (BPA) in an integrated delivery system**, Nina Kim, Paul Godley, Esther Yi
- 7-058 **Assessment of the impact and efficacy of alternative therapy alerts as a drug shortage management strategy**, Jackie Tran, John Hill, Suzanne Nesbit, Ian Watt, Emily Pherson
- 7-059 **Utilization of a clinical decision support tool in automated medication dispensing cabinets to promote dysphagia screening for ischemic stroke patients with a multidisciplinary team approach**, Ran Xu, Melissa Willett, Kayleigh Emerson, Jane Cherry, Kaye Rathmann

IV Therapy/Infusion Devices

- 7-060 **Syringe size utilization in very low flow rate infusions: an analysis of programmable syringe pump data**, Alison Bloomquist, Andrea Robertson, Audrey Ruotolo
- 7-061 **Utilization of smart pump syringe delivery and wireless drug library updates to mitigate the impact of intravenous solution shortages**, LeAnn Graham, Michael Ledford, Janet Jones, Navneet Dahnjal, J.W. Beard
- 7-062 **Analysis of the compatibility of clonidine with frequently used drugs in intensive care units**, Anna Koller, Sabine Krebs, Frank Dörje
- 7-063 **Using smart pump continuous quality improvement (CQI) data to improve clinical outcomes and cost efficiency**, Kelly McNorton, Antoinette Duronio
- 7-064 **Evaluation of two closed system transfer devices based on the proposed National Institute for Occupational Safety and Health performance test protocol**, Andrew Szkiladz, Shawn Hegner

Nutrition Support

- 7-065 **Impact of a simulation-based activity in total parenteral nutrition (TPN) education in a doctor of pharmacy (PharmD) program**, Genene Salman, Michelle Nguyen, Sandy Rios, Elvin Hernandez

Oncology/Hematology

- 7-066 **Relationship between epidermal growth factor receptor mutations and skin disorders in patients receiving epidermal growth factor receptor—tyrosine kinase inhibitors**, Kimiko Atagi, Takakiyo Tatsumichi, Hiroaki Tanaka, Shinji Kosaka, Hitoshi Hoshi
- 7-067 **Utilization of mutation testing and targeted treatments in non-small cell lung cancer in a large integrated health system**, Linda Chen, Jon Herrington, Ari Rao, Sherronda Henderson, Paul Godley
- 7-068 **Convenience of nivolumab fixed dose schedule**, Raul Diez Fernandez, Laura Lopez Esteban, Paula Lopez Mendez, Mariam Hijazi Vega, Teresa Molina Garcia
- 7-069 **Dose rounding policy results in significant cost savings**, Hugh Easley, Poppy Wilson, Paul Saban, Elysha Elson, Kaci Dominguez
- 7-070 **Sensitivity to granulocyte colony stimulating factors in cancer patients**, Marina Lombardero Pin, Leonor Santos Morín, Elena Mateos Egido, Cristina Otero Villalustre, Elisenda Dolz Bubi
- 7-071 **Economic modeling for the U.S. of intravenous versus subcutaneous rituximab as single-agent maintenance therapy in follicular lymphoma**, Karen MacDonald, Sanjeev Balu, Kim Campbell, Karen MacDonald, Ivo Abraham

- 7-072 **Benefits of a health-system pharmacist-controlled oral chemotherapy medication therapy disease management program**, Tristan Maiers, Jenna Carmichael, Anupama Mathur
- 7-073 **Risk factors for febrile neutropenia among patients receiving preoperative or postoperative chemotherapy for breast cancer**, Masataka Nommura, Mariko Enomoto, Masahumi Kawada, Yasuyo Morita, Mitsuhiko Miyamura
- 7-074 **Health moves us towards treatment reconciliation for oncologic patients**, Belen Rodriguez, Yoar Labeaga Bermandi, Beatriz Fernandez Gonzalez, Monica Carbajales Alvarez, Ana Lozano Blazquez
- 7-075 **Real-world efficacy and safety of osimertinib: a single institutional experience**, Pilar Rovira, Clara Martorell, Jorge Ginés, Barbara Boyeras, Fernando Do Pazo
- 7-076 **Comparison of pegfilgrastim and filgrastim for the prophylactic effect for preventing febrile neutropenia in patients undergoing rituximab with etoposide, prednisolone, vincristine, cyclophosphamide and doxorubicin treatment**, Takanori Taogoshi, Tatsuo Kataoka, Hiroshi Sakurashita, Hiroaki Matsuo

Pediatrics

- 7-077 **Improved palivizumab utilization for respiratory syncytial virus (RSV) prophylaxis pre- and post-implementation of a pharmacist clinical screening tool**, Sarah Jacob, Raisah Salhab, Maria Ngo, Wendy Bailey, Georgia Keriazes
- 7-078 **Parental knowledge, attitudes and beliefs on fever: a cross-sectional study**, Hanaa Saeed, Jinane Hamdan, Nathalie Lahoud, Mariam Dabbous, Fouad Sakr
- 7-079 **Assessment of the cumulative AUC (cAUC) for busulfan (Bu) and donor-cell chimerism in the pediatric alloHCT population with non-malignant disorders**, Praveen Shukla, Christopher Dvorak, Sandhya Kharbanda, Danna Chan, Janel Long-Boyle
- 7-080 **Comparison of posaconazole suspension and delayed release tablets in pediatric hematology/oncology patients**, Caroline Sierra, Erika Wass, Elvin Hernandez

Pharmacokinetics

- 7-081 **Amikacin pharmacokinetics in geriatric patients treated large dose extended interval (LDEI) and recommendation of initial dosage regimen**, Jiae Kim, Sami Yang, Hye-won Han, Jae-youn Kim
- 7-082 **Effect of age on the pharmacokinetic profile of subcutaneous C1-esterase inhibitor in the treatment of hereditary angioedema**, Dipti Pawaskar, Joseph Chiao, Henrike Feuersenger, Iris Jacobs

- 7-083 **Pharmacokinetics of synthetic cathinones found in "bath salts" in mouse brain and plasma using liquid chromatography-mass spectrometry**, Emily Perez, Shannon Schreiner, Brooke Bouldin, Stacy Brown, Brooks Pond
- 7-084 **A quantitative study on usage and effect of thrombolytic agent in MI patients at tertiary care hospital**, Nastaran Ziadloo

Pharmacy Law/Regulatory/Accreditation

- 7-085 **Impact of a multi-step action plan to enhance the medication error reduction plan in a critical access hospital in California**, Erin Doxtater, Meghan Aslanian, Katherine Shea, Dustin Spencer
- 7-086 **Lessons learned in USP <797> and <800> upgrades in a rural Connecticut hospital**, Jay Gilbreath
- 7-087 **Student pharmacists' knowledge of adverse event reporting and its place in the curriculum**, Michael Ryan, Abimbola Cole, Amee Mistry
- 7-088 **Evaluation of objective structured clinical examination (OSCE) in faculty of pharmacy at King Abdulaziz University (KAU)**, Hussain Bakhsh, Reem Diri, Ahmed Bashmail, Abdulwadood Ashmawi
- 7-089 **Creation of a unique non-patient care rotation for a resident on light duty**, Emily Buchanan, Emily Wiederanders, Kristina Bryowsky, Melissa Mays
- 7-090 **Development and implementation of a staffing checklist for PGY1 residents and pharmacy staff in discordant rotation schedules**, Emily Buchanan, Christine Heilig, Amy Luckett, Paige Hagen, Michael Serlin
- 7-091 **Utilization of a pharmacy resident driven newsletter to provide education for healthcare providers**, Jonathan Cho, Mallory A. Fiorenza, Marylee V. Worley, Lauren Tesh, Sandy Estrada
- 7-092 **Evaluation of a pharmacist education program with interventions and readmission rates**, Dipti Desai, Rupal Mansukhani, Jim Palatine, Oliver Mills
- 7-093 **Community engagement opportunities during rotations: outcomes from a community needs assessment approach**, Elizabeth Hall-Lipsy
- 7-094 **Employment outcomes of a rural health training program: a nine-year longitudinal tracking study**, Elizabeth Hall-Lipsy
- 7-095 **Characterization, management, and matriculation of challenging pharmacy residents: a national survey of residency preceptors and program directors**, Thaddaus Hellwig, Christi Jen, Joshua Raub, Michael Scalese, Charlene Williams
- 7-096 **Analyzing preceptor opinions regarding two scheduling formats of inpatient clinical skills IPPE to improve educational outcomes**, Craig Kimble, Robert Stanton, Tiffany Oldaker, Amber Payne

- 7-097 **Pharmacy student perspectives of computerized exam software**, Trisha LaPointe, Susan Jacobson
- 7-098 **Delivering interprofessional education through problem-based learning: a collaboration among six health professions institutions**, Sara Low, Tania Stewart, Amy Vermillion, Chris Miller, David Ha
- 7-099 **A synchronous interprofessional patient safety simulation integrating distance learners**, Rhianna Mehrer, Katie Packard, Yongyue Qi
- 7-100 **To certify or not to certify? impact of ACLS training**, Savannah Posey, Cassie Crew
- 7-101 **Student perceptions of midterm exam and end-of-semester remediation policies**, Bradley Shinn, Lori Ernsthause, Kelly O'Connell, Erin Siegel, Alyssa Stidham
- 7-102 **Evaluation of three American Pharmacists Association professional certificate training programs in a pharmacy curriculum using a graduating class survey**, Malgorzata Slugocki, Julie Kalabalik
- 7-103 **Effect of nursing education and attendee's counseling on medication errors: an interventional study**, Dikta Thapa, Raju Koneri, Ranjani Varadarajan, Chandra Sekar
- 7-104 **Second-year data regarding rates and correlates of depressive symptoms in pharmacy residents**, Evan Williams, Marissa Ross, Samahn Soleimanian, Vasudha Gupta

Psychiatry/Neurology

- 7-105 **Adherence to evidence-based care in stroke Lebanese survivors: an observational study**, Mariam Chaalan, Souheil Hallit, Celina Boutros, Pascale Saleme, Sylvia Saade
- 7-106 **Dronabinol for the treatment of agitation and aggressive behavior in a hospitalized patient with schizoaffective disorder**, Stephen Dolley, Anna Morin, Meredith Ronan, Madelyn Hsiao-Rei Hicks
- 7-107 **Evaluation of pharmacy students' perspectives on mental health stigma throughout the four professional years of the doctor of pharmacy program**, Daphne Liao, Lei Zou, Perihan Koussa, Thao Dieu, Melissa Thai
- 7-108 **Combination of buprenorphine and samidorphan for the treatment of depression**, Luna Soufi
- 7-109 **Justifying implementation of a prescription drug misuse course: pharmacy evaluation of prescription drug misuse and marijuana abuse by adolescent males from a residential treatment center**, Kristen Webb, Jennifer Van Cura, Dustin Spencer, Rachael Lowery
- 7-110 **Aripiprazole lauroxil nanocrystal dispersion: a potential one-day initiation regimen for long-acting aripiprazole lauroxil**, Angela Wehr, David Walling, Yangchun Du, Peter Weiden, Lisa von Moltke

Safety/Quality

- 7-111 **Exploring facilitators and barriers to medication error Reporting among healthcare professionals in Qatar using the theoretical domains framework: a mixed-methods approach**, Pallivalappila Abdulrouf, Moza Al-Hail, Wessam Mohammed El Kassem, Binny Thomas, Derek Stewart
- 7-112 **Perspectives of healthcare professionals in Qatar on causes of medication errors: a mixed methods study of safety culture**, Pallivalappila Abdulrouf, Wessam El kassem, Binny Thomas, Derek Stewart
- 7-113 **Assessment of glycosylated hemoglobin (A1C) and foot examinations in low-income, uninsured patients with diabetes and efficiency of performing screenings in a free health clinic**, Ramadas Balasubramanian, S. Marie Dockery, Gracie Galloway, James Cooke
- 7-114 **Operating room (OR) pharmacy remodel preparation and implementation using lean six sigma concepts leads to decreased errors and inventory**, Kristina Karrick, Kelsey Batt
- 7-115 **Analysis of pharmacist-led interventions on prescribing errors for rational drug use in a tertiary hospital**, Bokeong Kim, Younghee Lee
- 7-116 **Safe management of sepsis and septic shock in the emergency department**, Marina Lombardero Pin, Manuel González, M^a Aranzazu Velaz Suárez, Elisenda Dolz Bubi, Antonio Noval
- 7-117 **Standardized prescription medication directions at a specialty pharmacy**, Saba Maghari, Alexis Spence, Nina Dimitrova
- 7-118 **Practice gap analysis for the subcutaneous insulin management at a community teaching hospital compared to the 2017 Institute for Safe Medication Practices (ISMP) guidelines**, Oussayma Moukhachen, Paul Arpino, Caroline Schmidt, Amanda Robinson, Robert Deveau
- 7-119 **Zero-harm: embracing a concept, empowering your staff**, Joshua Musch, Nicole Pavlik, Linda Johnson, Deron Lundy, Kimberly Bickmeyer
- 7-120 **Medication mismanagement: medication errors and adverse drug events associated with complexities organizing and administering medications in U.S. adults**, Ahmed Naguib, Sneha Ringwala, David Swenson, Brent Hale, Patrick Callahan
- 7-121 **Identifying the use of ambulatory pharmaceutical pumps by hospitalized patients: implementation of electronic pharmacist notification triggered by nursing admission assessment**, Allison Naso, Brandon Mottice
- 7-122 **Analysis of the represcription rate and adverse drug reactions (ADR) recurrence rate of previously ADR-reported drugs, after changing "criteria of ADR warning sign"**, Joohee Oh, Young Hee Lee, Seung Hee Park

- 7-123 **High-risk opioid prescribing when multiple prescribers are involved**, Cathy Oliphant, James Berain, Thomas Wadsworth, Rick Tivis, Rylon Hofacer
- 7-124 **Pilot studies of safe handling and disposal of oral anticancer chemotherapy**, Priya Patel, Alexandra Corcoran, Siu Fun Wong, Sun "Coco" Yang
- 7-126 **Incorrect updates in the shared medication profile when patients are discharged from hospital**, Gine Stobberup, Louise Lund

Small and/or Rural Practice

- 7-127 **Implementation of an antibiotic order set to improve indication documentation in a pediatric behavioral health facility**, Kristen Webb, Jennifer Van Cura, Katherine Shea

Transplant/Immunology

- 7-128 **Effect of initiation of benznidazole on tacrolimus levels post-heart transplant**, Lisa Peters, Maria Rodrigo, Rachel Marcus, Samer Najjar, Ezequiel Molina

VCU/ACCP/ASHP Congressional Pharmacy Healthcare Policy Fellow Position for 2019–2020



This 14-month, Washington, D.C.-based, Virginia Commonwealth University School of Pharmacy, ACCP, and ASHP sponsored program has been preparing pharmacists for public service for over a decade. Program alumni have held positions within government agencies, academia, think tanks, consulting firms, state associations and agencies. The program, now entering its 12th year, provides healthcare policy analysis and development experiences. The program is described in detail at go.vcu.edu/congressionalfellow. A policy orientation and rotations at ACCP and ASHP serve as foundational experiences for a 12-month Congressional placement. The fellow will work within an individual Congressional Senator's or Representative's personal office or as a member of a Congressional committee staff from September 2019 through August 2020. Candidates must be citizens of the United States, be a B.S., M.S., Pharm.D., or Ph.D. prepared pharmacist, and have completed a PGY1 residency or equivalent professional experience. Fellows receive a salary of \$70,000 and have an allocation to cover moving expenses and professional travel. Application instructions are on the website and all documents should be submitted prior to January 31, 2019.

Meeting Registration Form



53rd ASHP Midyear Clinical Meeting & Exhibition

December 2–6, 2018 | Anaheim Convention Center | Anaheim, California

Important registration deadlines:

October 18: Early Bird registration discounts end

November 26: Mail, fax, and phone registrations must be received by ASHP

November 29: Online registrations must be received before midnight (Onsite registration will be available at an increased rate)

**Register
in advance
and
SAVE!**

REGISTRATION INFORMATION

Please type or print clearly.

ASHP ID Number: _____

Name: _____
FIRST MIDDLE LAST

Title: _____

Name for Badge: _____

Home Address: _____
STREET

City: _____ State: _____ ZIP: _____

Employer/School (required): _____

Employer/School Address: _____
STREET

City: _____ State: _____ ZIP: _____

Daytime Phone: _____ Fax: _____

E-mail (required for meeting confirmation): _____

Graduation Date (requested for all, required for students and residents): _____

☐ Check here if this is a new address.

☐ In accordance with GDPR (General Data Protection Regulation) by checking this box you are consenting to our use of the information you are providing us for registration and other meeting related services.

Customize your experience. Take advantage of pre-meeting workshops and special events.
Complete both sides of this form, then check the meeting website midyear.ashp.org to plan your days.

METHOD OF PAYMENT

☐ Charge to: ☐ MasterCard ☐ VISA ☐ AmEx ☐ Discover

TOTAL (from other side) \$ _____

MCM18

Card #: _____

Expiration Date: _____

Signature: _____

By authorizing this charge, I certify that the above registration information is true and correct, and agree to be responsible for any additional charges incurred pursuant to this meeting registration.

☐ Check or money order payable to ASHP attached.
Checks must be drawn on a U.S. bank in U.S. funds.

☐ Purchase order #: _____ attached.
Please issue invoice.

Please Note: Payments to ASHP are not deductible as charitable contributions for federal income tax purposes. However, they may be deductible under other provisions of the Internal Revenue Code. Only additional donations to the ASHP Research and Education Foundation are tax deductible.

What is your primary position?
(please check one)

- A ☐ Director
☐ Associate or Assistant Director
☐ Clinical Coordinator
☐ Other Supervisory Position
- B ☐ Staff Pharmacist
☐ Clinical Pharmacist-General
☐ Clinical Pharmacist-Specialist
☐ Faculty
- C ☐ Resident
- D ☐ Student
- E ☐ Technician
☐ Physician
☐ Nurse
☐ Medication/Patient Safety Officer
☐ Informatics/Technology Specialist
☐ Other:

FOUR WAYS TO REGISTER

ONLINE: midyear.ashp.org

CALL TOLL-FREE 1-866-279-0681, Mon.–Fri. 8 a.m.–6 p.m. ET
International: **001-301-664-8700**

FAX registration form to **1-301-657-1251**

MAIL registration form with check or money order payable to ASHP.
Checks must be drawn on a U.S. bank in U.S. funds.

Midyear Clinical Meeting Registration
ASHP Payment Center
P.O. Box 17693
Baltimore, MD 21297

CANCELLATION POLICY

All meeting cancellations are subject to a \$75 handling charge.
NO REFUNDS will be issued after November 19, 2018 (postmark or fax date).

53rd ASHP Midyear Clinical Meeting & Exhibition

MIDYEAR CLINICAL MEETING

Registration includes meeting sessions, exhibits, and the Wednesday evening event. Please check one.

<input type="checkbox"/> Full Registration Fee	ASHP Member	Non-member
Advance Registration (on or before October 18)	FM <input type="checkbox"/> \$725	FN <input type="checkbox"/> \$1120 \$ _____
Regular Registration (October 19–November 29)	FM <input type="checkbox"/> \$795	FN <input type="checkbox"/> \$1190 \$ _____
Onsite Registration (after November 29)	FM <input type="checkbox"/> \$850	FN <input type="checkbox"/> \$1250 \$ _____
<input type="checkbox"/> Resident Fee (Pharmacy residents in ASHP- or Canadian-accredited programs)	RM <input type="checkbox"/> \$410	RN <input type="checkbox"/> \$545 \$ _____
<input type="checkbox"/> Pharmacy Technician Fee	TM <input type="checkbox"/> \$410	TN <input type="checkbox"/> \$545 \$ _____
<input type="checkbox"/> Student Fee (Full-time undergraduate or postgraduate pharmacy students)	SM <input type="checkbox"/> \$340	SN <input type="checkbox"/> \$480 \$ _____
Graduation date required to qualify for student fees: _____		
<input type="checkbox"/> Retired Fee	FR <input type="checkbox"/> \$430	FR <input type="checkbox"/> \$560 \$ _____

Not a member? Visit www.ashp.org and select “join now” to join before you register and you could save more than the cost of your membership!

PRE-MEETING WORKSHOPS

You must register by November 26th and be a full Midyear Meeting registrant to attend pre-meeting workshops. Pre-meeting workshop registrations may be available on-site at a higher rate if space is available. All full day workshops include lunch.

01WK Residency Program Design and Conduct (RPDC)—Saturday, December 1, 8:00 a.m. – 5:00 p.m. Registration is limited.

Select only **one** of the following options:

01WKA <input type="checkbox"/> RPDC A: PGY1 New Programs (80 participants)	<input type="checkbox"/> \$390	\$ _____
01WKB <input type="checkbox"/> RPDC B: PGY1 Existing Programs (100 participants)	<input type="checkbox"/> \$390	\$ _____
01WKC <input type="checkbox"/> RPDC C: PGY2 New and Existing Programs (80 participants)	<input type="checkbox"/> \$390	\$ _____

02WK Basic Statistics: A Non-Threatening Approach to the Use of Statistics in Clinical Trials 2018

☐ \$390 \$ _____

Sunday, December 2, 8:00 a.m.–5:00 p.m. Registration is limited to 40 participants.

ONE-DAY REGISTRATION FEES

Please indicate which day(s) you will be attending (includes meeting sessions and exhibits only).

☐ Sunday ☐ Monday ☐ Tuesday ☐ Wednesday and Thursday

☐ OM One Day, Member \$370/day ☐ ON One Day, Non-member \$560/day \$ _____

SPECIALTY BOARD RECERTIFICATION

Throughout the Midyear, certain education sessions will be designated for recertification credit in the following areas: Ambulatory Care Pharmacy (BCACP), Critical Care Pharmacy (BCCCP), Geriatric Pharmacy (BCGP), Oncology Pharmacy (BCOP), Pediatric Pharmacy (BCPPS), and Pharmacotherapy (BCPS). Any Midyear learner may attend the live sessions; however, attendees seeking recertification credit must select a package below (additional fee). Each package includes the recorded sessions plus the recertification assessments (4–6 hours, depending upon specialty). Recertification hours will apply to the year in which the assessment is completed.

<input type="checkbox"/> MCM18AMIS	BCACP* Intensive Study Recertification Package	<input type="checkbox"/> \$50	\$ _____
<input type="checkbox"/> MCM18CCIS	BCCCP Intensive Study Recertification Package	<input type="checkbox"/> \$50	\$ _____
<input type="checkbox"/> MCM18GPIS	BCGP Intensive Study Recertification Package	<input type="checkbox"/> \$50	\$ _____
<input type="checkbox"/> MCM18OPIS	BCOP** Clinical Sessions Recertification Package	<input type="checkbox"/> \$50	\$ _____
<input type="checkbox"/> MCM18PEIS	BCPPS Intensive Study Recertification Package	<input type="checkbox"/> \$50	\$ _____
<input type="checkbox"/> MCM18PCIS	BCPS Intensive Study Recertification Package	<input type="checkbox"/> \$50	\$ _____

* Developed in partnership with the American Pharmacists Association (APhA).

** Developed in partnership with the American College of Clinical Pharmacy (ACCP).

Please note that the BCOP Clinical Sessions were previously presented in October 2018 at the ACCP Annual Meeting. Learners may only claim credit once.

TOTAL FEES \$ _____

MCM18

Registration with any meeting or event associated with the 2018 ASHP Midyear Clinical Meeting and Exhibition implies consent and understanding of ASHP's Code of Conduct Policy and Photo Waiver. To read these documents, visit the REGISTER tab on the Midyear Clinical Meeting website.

© 2018 American Society of Health-System Pharmacists® HPMCM218

Official Hotel Map



53rd ASHP Midyear Clinical Meeting & Exhibition

December 2-6, 2018 | Anaheim Convention Center | Anaheim, California

- 1 **Anaheim Majestic Garden Hotel**
\$185 single/double
- 2 **Anaheim Marriott (Headquarters Hotel)**
\$209 single/double
- 3 **Anaheim Marriott Suites**
\$182 single/double
- 4 **Anaheim Portofino Inn and Suites**
\$159 single/double
- 5 **Best Western PLUS Anaheim Inn**
\$159 single/double
- 6 **Best Western PLUS Park Place Inn & Mini-Suites**
\$159 single/double
- 7 **Best Western PLUS Pavilions**
\$139 single/double
- 8 **Best Western PLUS Raffles Inn & Suites**
\$169 single/double
- 9 **Best Western PLUS Stovall's Inn**
\$139 single/double
- 10 **Candlewood Suites Anaheim-Resort Area**
\$155 single/double
- 11 **Castle Inn & Suites**
\$158 single/double
- 12 **Clarion Hotel Anaheim Resort**
\$167 single/double
- 13 **Cortona Inn & Suites Anaheim Resort**
\$159 single/double
- 14 **Country Inn & Suites by Radisson**
\$189 single/double
- 15 **Courtyard by Marriott Anaheim Resort/Convention Center**
\$169 single/double
- 16 **Delta Hotels by Marriott Anaheim Garden Grove**
\$179 single/double
- 17 **Desert Palms Hotel and Suites**
\$140 single/double
- 18 **Disneyland® Hotel**
\$279 single/double
- 19 **Disney's Grand Californian Hotel® & Spa**
\$329 single/double
- 20 **Disney's Paradise Pier® Hotel**
\$239 single/double
- 21 **DoubleTree Suites by Hilton Hotel Anaheim Resort-Convention Center**
\$186 single/double
- 22 **Embassy Suites by Hilton Anaheim South**
\$209 single/double
- 23 **Fairfield Inn Anaheim Disneyland Resort**
\$182 single/double
- 24 **Four Points by Sheraton Anaheim**
\$169 Single/Double
- 25 **Grand Legacy At The Park**
\$164/\$174 single/double
- 26 **Hampton Inn & Suites Los Angeles/Anaheim-Garden Grove**
\$151 single/double
- 27 **Hilton Anaheim (Headquarters Hotel)**
\$209 single/double
- 28 **Hilton Garden Inn Anaheim/Garden Grove**
\$156/\$166 single/double
- 29 **Homewood Suites by Hilton Anaheim Resort-Convention Center**
\$199 single/double
- 30 **Homewood Suites by Hilton Anaheim-Main Gate Area**
\$186 single/double
- 31 **Howard Johnson Hotel and Water Playground**
\$172 single/double (Bldg 2)
\$185 single/double (Bldg 1)
- 32 **Hotel Indigo Anaheim**
\$174 single/double
- 33 **Hyatt House at Anaheim Resort/Convention Center**
\$195 single/double
- 34 **Hyatt Place at Anaheim Resort/Convention Center**
\$196 single/double
- 35 **Hyatt Regency Orange County**
\$200 single/double
- 36 **Red Lion Hotel Anaheim Resort**
\$132 single/double
- 37 **Residence Inn by Marriott Anaheim Resort Area/Garden Grove**
\$189 single/double
- 38 **Residence Inn Anaheim Resort/Convention Center**
\$249 single/double
- 39 **Residence Inn by Marriott Anaheim Maingate**
\$194 single/double
- 40 **Sheraton Garden Grove-Anaheim South Hotel**
\$159 single/double



- 41 **Sheraton Park Hotel at the Anaheim Resort**
\$219 single/double
- 42 **SpringHill Suites at Anaheim Resort Area/Convention Center**
\$212 single/double
- 43 **SpringHill Suites by Marriott Anaheim Maingate**
\$169/\$179 single/double
- 44 **Staybridge Suites Anaheim At The Park**
\$194 single/double
- 45 **The Anaheim Hotel**
\$139 single/double
- 46 **Wyndham Garden Anaheim**
\$189 single/double

■ All hotels currently within 1.7 miles of the Convention Center.

■ Room rates do not include tax, currently 17% (subject to change). Rates listed are for standard type rooms, unless otherwise noted.

■ All room rates include complimentary in-room access to the internet if reservation was booked through Orchid.Events.

■ Hotels may be added to meet demand.

© 2018 American Society of Health-System Pharmacists® HPMCM518

Hotel Reservation Form



53rd ASHP Midyear Clinical Meeting & Exhibition | December 2–6, 2018 | Anaheim Convention Center | Anaheim, CA

IMPORTANT DEADLINE—REGISTER EARLY!

Reservations will be accepted by Orchid.Events until **November 2, 2018** at 8:00 p.m. Eastern Time (ET) or until the group block is sold out, whichever occurs first. After this date, reservations will be made based on availability and hotels may charge higher rates.

You must be registered for the meeting in order to reserve a hotel room at the convention rate.

FOUR WAYS TO RESERVE YOUR HOTEL ROOM (Do not mail to ASHP)

ONLINE	PHONE	FAX	MAIL
midyear.ashp.org	877-505-0675 801-505-4613 9:00 a.m.–8:00 p.m. ET, Monday–Friday	801-355-0250	ASHP/Orchid.Events 175 S. West Temple, Suite 30 Salt Lake City, UT 84101

GUEST INFORMATION

Arrival Date: _____ Departure Date: _____

First Name: _____ Last Name: _____

Company: _____ Email: _____

Phone: _____ Fax: _____

Address: _____

STREET _____

CITY _____ STATE _____ ZIP _____

An acknowledgment of your room reservation will be sent directly to you by Orchid.Events. Please review all information for accuracy. You will not receive a confirmation from your hotel.

☐ **For EEA exhibitors, sponsors and attendees:** In accordance with the GDPR (General Data Protection Regulation), by checking this box you are consenting to Orchid-Event's and ASHP's use of the information solely for the purpose of making and communicating to you about your reservations and related services.

HOTEL PREFERENCE

Hotel preferences will be honored to the extent accommodations are available. Refer to the hotel map for rates and locations.

First Choice: _____ Second Choice: _____

Third Choice: _____ Fourth Choice: _____

If all four (4) choices are unavailable, please process this reservation according to (check one): ☐ Comparable Room Rate ☐ Proximity to Anaheim Convention Center

ROOM TYPE

Please check one. Additional fees may apply to third and fourth occupants. Submit only one room request per form. Make extra copies if needed.

☐ Single (1 person/1 bed) ☐ DBL (2 persons/1 bed) ☐ DBL/DBL (2 persons/2 beds) ☐ Triple (3 persons/2 beds) ☐ Quad (4 persons/2 beds) ☐ Suite*

List All Room Occupants: _____

Special Requests: _____

Hotel will honor special requests to the extent possible but requests are not guaranteed. Hotel will assign specific room types upon check-in based on availability.

*Suite availability and rates are available through Orchid.Events. Please call 877-505-0675 or 801-505-4613 or email ASHP@orchid.events.

RESERVATION GUARANTEE

All reservation requests must be accompanied by a credit card guarantee or check for one night's room and tax deposit. Tax is currently 17%, subject to change. Hotel forms received without a valid guarantee/deposit will not be processed. Faxed requests will require a valid credit card. Check deposits must be mailed with a completed hotel form.

☐ Call me for a valid credit card guarantee

Orchid.Events or any one of the participating hotels may charge the credit card for each Room Deposit in accordance with the policies and information provided herein no sooner than November 2, 2018. If the charge to the credit card is denied, we reserve the right to release your reservation.

☐ Check deposit is enclosed (check deposits must be received by October 22, 2018)

If paying by check, make check payable to Orchid.Events and mail payment with hotel reservation form to above address. Check should be in U.S. funds drawn on a U.S. bank. Wire transfers will not be accepted.

CANCELLATIONS/CHANGES

Cancellations and changes to the names of occupants or arrival and departure dates must be made directly with Orchid.Events. Cancellations after **November 2, 2018** will be subject to a \$75.00 processing fee per reservation. If a cancellation occurs within 1 to 5 days (depending on hotel) of arrival date, the deposit of one night's room and tax will be forfeited entirely. Please refer to your hotel's individual cancellation policy found on your acknowledgment letter. Cancellations and changes can be emailed to ASHP@orchid.events.

Please keep a copy of this form. Make additional copies if needed.

© 2018 American Society of Health-System Pharmacists® HPMCM518