



VIRTUAL SEMINAR – Schedule

All times are represented in Central Time. Changes may be made to this schedule at any time.

LEGEND:

 CPE Session
 Social Event
 Exhibits

THURSDAY, SEPTEMBER 24, 2020

TIME	EVENTS – Click the session titles below for CPE details.			
TRACKS	MANAGEMENT		CLINICAL	
2:30 – 3 PM	Welcome & Virtual Seminar Introduction			
3 – 4 PM	PTCB Update: The Advanced Pharmacy Technician		Clinical Pearls: Management of E-cigarette or Vaping Product Use Associated Lung Injury	
			Clinical Pearls: Put on your Thinking CAP: Applying the 2019 IDSA/ATS Community-Acquired Pneumonia Guidelines to Practice	
4 – 5 PM	EPA’s New Pharm Waste Rule: Your Top Ten Take-Aways		Clinical Pearls: Superiority of F(ab’)2 compared to FabAV; or vice versa?	
			Clinical Pearls: Do the ‘Genes’ Fit? Starting a Pharmacogenetics Testing Service	
5 – 6 PM	A Just Culture as a Way of Life		Clinical Pearls: ADA Standards in Diabetes: Focus on Pharmacological Therapy	
			Clinical Pearls: Vancomycin Guideline Update	
6 – 7 PM	Virtual Networking Event: Networking Session <i>Sponsored by: Apexus</i>	Virtual Networking Event: Scattergories Game Night	Virtual Networking Event: “Show Me Your Stuff” Game Night	Virtual Networking Event: TSHP Pharmacy Spelling Bee

FRIDAY, SEPTEMBER 25, 2020

TIME	EVENTS – Click the session titles below for CPE details.			
TRACKS	MANAGEMENT		CLINICAL	
2 – 3 PM	KEYNOTE PRESENTATION: The COVID Opportunity M. Lynn Crismon, PharmD, FCCP, DABCP, BCPP; UT College of Pharmacy at Austin			
3 – 4 PM	Navigating the Currents of USP 800		To DO or not to DO: DOACs in Special Populations	
4 – 5 PM	Strategies to Increase Technician Retention		The Great Infectious Diseases Debate	
5 – 6 PM	Transitions of Care Services - Across Inpatient to Outpatient Settings		2019 ATS/IDSA Guidelines for Community-Acquired Pneumonia	
6 – 7 PM	Virtual Networking Event: Networking Session		Virtual Networking Event: Scattergories Game Night	
			Virtual Networking Event: “Show Me Your Stuff” Game Night	
			Virtual Networking Event: TSHP Pharmacy Spelling Bee	



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LEGEND:

	CPE Session
	Social Event
	Exhibits

SATURDAY, SEPTEMBER 26, 2020

TIME	EVENTS – Click the session titles below for CPE details.					
TRACKS	MANAGEMENT		CLINICAL			
9 – 10 AM	Maximizing Opportunities to Protect Vulnerable Adult Against Pneumococcal Disease <i>(Sponsored by: Vemco MedEd)</i>					
10 – 11 AM	Tipton Lecture: LIFE, Tennis Balls, and Electric Cars					
11 AM – 12 PM	Collaborative Patient Care at a Full-Scale Emergency Preparedness Exercise		Continuous Glucose Monitoring: Interpretation and Analysis		Virtual Exhibit Hall <i>Thank You to our Exhibitors</i>	
12 – 1 PM	Changing Landscape of the Technician Career		Cannabis Use in the Treatment of Pediatric Epilepsy			Reverse Expo <i>(Advance Ticket Purchase Required)</i>
1 – 2 PM	The Work-Life Integration Conundrum: Preposterous, Improbable, or Plausible?		Pharmacotherapy Considerations for Treatment of SARS-CoV-2			
2 – 3 PM	A Primer on Health-System Pharmacy Financials		Multi-modal Pain Management Strategies: Evidence-based Considerations for Inpatient Practice			
3 – 4 PM	Virtual Networking Event: Networking Session <i>Sponsored by: Apexus</i>	Virtual Networking Event: Scattergories Game Night	Virtual Networking Event: “Show Me Your Stuff” Game Night	Virtual Networking Event: TSHP Pharmacy Spelling Bee	Informatics Roundtable	
4 – 5 PM	TSHP Research & Education Foundation Donor Celebration Event					
5 – 6 PM	TSHP Research & Education Foundation Virtual Wine Tasting <i>(Advance Ticket Purchase Required)</i>					



VIRTUAL SEMINAR – Schedule

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LEGEND:

	CPE Session
	Social Event
	Exhibits

SUNDAY, SEPTEMBER 27, 2020

TIME	EVENTS – Click the session titles below for CPE details.		
TRACKS	MANAGEMENT	CLINICAL	
9 – 10 AM	Practical Strategies in HABP/VABP: Utilizing Pathogen-Specific Therapy for Multidrug-Resistant Gram-negative Infections <i>(Sponsored by: Vemco MedEd)</i>		
10 – 11 AM	The Current and Future State of the USP Compounding Compendium	Stop the Bleed: Use of Reversal Agents for Direct Oral Anticoagulant Bleeding	Virtual Exhibit Hall Thank You to our Exhibitors
11 AM – 12 PM	How to Seek Reimbursement for Clinical Pharmacy Services	Clinical and Operational Considerations of High Cost/High Impact Medications	
12 – 1 PM	Catching Errors and Tenets of Medication Reconciliation	Health Disparities: Effects of Education, Ethnicity, Location and Sexual Identity	
	30-min Break		
1 – 2:15 PM	Leonard Lecture: Accountable Pharmacy Care – What should it look like?		
2:15 – 3:00 PM	Closing Session		

TSHP Virtual Seminar 2020

**** All information is preliminary and subject to change. Co-presenters are listed in alphabetical order. ****



THURSDAY, SEPTEMBER 24, 2020

2:30 PM - 3:00 PM

Welcome & Virtual Seminar Introduction

3:00 PM – 4:00 PM

PTCB Update: The Advanced Pharmacy Technician (Management Track)

Given the evolving role of pharmacy technicians, the Pharmacy Technician Certification Board (PTCB) has developed a series of advanced credentials to recognize technicians for their specialized knowledge and skills and to help build a sustainable career ladder. The presentation will include: an update of recent changes to PTCB's Certified Pharmacy Technician (CPhT) program; an overview of the new credentials and the pathways to earn them; a discussion of the current regulatory landscape; and a review of pharmacy technician workforce and labor market data.

UAN: 0156-0000-20-244-L04-P & 0156-0000-20-244-L04-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Explain recent updates the Certified Pharmacy Technician (CPhT) certification program
- Summarize the current pharmacy technician labor market and workforce
- Analyze how advanced pharmacy technicians credentials contribute to a career ladder
- Summarize the regulatory landscape for pharmacy technicians

At the completion of this activity the technician participant will be able to:

- Describe recent updates to the Pharmacy Technician Certification Examination (PTCE) and Certified Pharmacy Technician (CPhT) eligibility requirements
- Analyze data and survey results examining job market and career opportunities
- Review the development of advanced technician credentials
- Recognize emerging opportunities in the regulatory landscape for pharmacy technicians

Ryan M. Burke, PharmD

Director, Professional Affairs

Pharmacy Technician Certification Board

This speaker has no relevant conflicts of interest to disclose.

3:00 PM – 3:30 PM

CLINICAL PEARLS: Management of E-cigarette or Vaping Product Use Associated Lung Injury (Clinical Track)

E-cigarette or vaping product use associated lung injury (EVALI) is a relatively new disease, first recognized in the summer of 2019, in users of e-cigarette or vaping products. Although more than one mechanism for EVALI is likely, vitamin E acetate has been identified in both the product samples and patient lung biopsies, making it a likely contributor to EVALI. According to the US Centers for Disease Control and Prevention, EVALI has been responsible for 2,711 hospitalizations and at least 60 deaths confirmed in 27 states. Although reported cases are decreasing at this time, clinicians should have an awareness of presenting signs and symptoms of EVALI and screen patients for e-cigarette use. Management of EVALI should include appropriate assessment for differential diagnoses, treatment of hypoxemia, and potentially corticosteroids to improve clinical symptoms and oxygenation.

UAN: 0156-0000-20-116-L01-P & 0156-0000-20-116-L01-T

Credit Hours: 0.5 (0.05 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Assess common presenting signs and symptoms for e-cigarette or vaping product use associated lung injury (EVALI).

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- Determine potential causes of EVALI.
- Create a corticosteroid regimen for management of a patient with EVALI.

At the completion of this activity the technician participant will be able to:

- List common presenting signs and symptoms for e-cigarette or vaping product use associated lung injury (EVALI).
- State potential causes of EVALI.
- Evaluate a corticosteroid regimen for management of a patient with EVALI.

Rebecca L. Attridge, PharmD, MSc, BCPS

Associate Professor - Department of Pharmacy Practice, University of the Incarnate Word Feik School of Pharmacy
Adjunct Assistant Professor - Division of Pulmonary Diseases and Critical Care Medicine, Department of Medicine, UT Health San Antonio

Program Director - UIW Pharmacotherapy Residency

This speaker has no relevant conflicts of interest to disclose.

3:30 PM – 4:00 PM

CLINICAL PEARLS: Put on your Thinking CAP: Applying the 2019 IDSA/ATS Community-Acquired Pneumonia Guidelines to Practice (Clinical Track)

This session presentation will provide education and resources regarding the new 2019 IDSA/ATS guidelines for diagnosis and treatment of community-acquired pneumonia (CAP). The presentation will focus on recommendations that have changed since the 2007 CAP guidelines and on three new medications which have been recently approved for treatment of CAP. The presentation will also review primary literature supporting these recommendations and approvals.

UAN: 0156-0000-20-241-H01-P & 0156-0000-20-241-H01-T

Credit Hours: 0.5 (0.05 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Compare and contrast the 2007 and 2019 IDSA/ATS recommendations for the treatment of community-acquired pneumonia.
- Determine appropriate empiric therapy for a patient presenting with community acquired pneumonia.
- Describe clinical pearls for emerging therapies used to treat community-acquired pneumonia.

At the completion of this activity the technician participant will be able to:

- List the two pathogens that require extended-spectrum antibiotic therapy over standard antibiotic regimens.
- Recall brand and generic names for medications recently approved to treat community-acquired pneumonia.
- Identify unique dosage forms and dosing regimens of medications recently approved for community-acquired pneumonia.

Emily Buatois, PharmD

PGY2 Pharmacotherapy Resident

TTUHSC Jerry H. Hodge School of Pharmacy

Maegan Whitworth, PharmD, BCPS

Pharmacotherapy Residency Director

TTUHSC Jerry H. Hodge School of Pharmacy

These speakers have no relevant conflicts of interest to disclose.

4:00 PM – 5:00 PM

EPA's New Pharm Waste Rule: Your Top Ten Take-Aways * - Law Education (Management Track)

EPA's Final Rule for the management of hazardous waste pharmaceuticals became effective at the federal level August 21, 2019. Texas plans to adopt the rule in the fall of 2020. We will discuss the top ten take-aways of the new rule and how they can save your organization time and money.

UAN: 0156-0000-20-101-L03-P & 0156-0000-20-101-L03-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity, the pharmacist participant will be able to:

- Delineate the major changes in how hazardous waste pharmaceuticals must be managed under the Final Rule.
- Evaluate how changes in the Final Rule may impact their current pharmaceutical waste disposal processes in terms of compliance and cost savings.
- Examine current controlled substance disposal processes and evaluate compliance and cost-effectiveness in both the pharmacy and patient care areas.

At the completion of this activity, the technician participant will be able to:

- List the six definitions of a hazardous waste pharmaceutical.
- Evaluate their facility's current management of outdated pharmaceuticals to ensure compliance with the Final Rule as it impacts reverse distribution.
- Audit current waste containers in the pharmacy for appropriate contents: biohazardous (red), trace chemotherapy (yellow), non-hazardous (white/blue), and hazardous (black).

Charlotte A. Smith, RPh, MS

Senior Regulatory Advisor

PharmEcology Services, WMSS

This speaker has no relevant conflicts of interest to disclose.

4:00 PM – 4:30 PM

CLINICAL PEARLS: Superiority of F(ab')₂ compared to FabAV; or vice versa? (Clinical Track)

For more than two decades, Crotalidae polyvalent immune Fab (Ovine) (FabAV) has been used for the vast majority of envenomations by North American Pit Vipers. But in 2019 saw the introduction of a new antivenom, Crotalidae equine immune F(ab')₂ (F(ab')₂ (Anavip). As clinical experience with this new antivenom treatment grows, healthcare professionals in the United States (US) must be prepared to select the appropriate antivenom for the clinical scenario. A key element of acute envenomation management is achieving "initial control." However, there are critically important inconsistent definitions of initial control through literature, antivenom product labelling, and clinical practice. But what influence does this have on patient morbidity from envenomations? More importantly, how does this influence our selection of appropriate antivenom agents?

UAN: 0156-0000-20-125-L01-P & 0156-0000-20-125-L01-T

Credit Hours: 0.5 (0.05 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Describe the important differences between antivenom products.
- Debate whether Copperheads should be considered in a different category to other pit vipers for the purposes of antivenom treatment and outcome measurement.
- Critique the definition of "initial control."

At the completion of this activity the technician participant will be able to:

- Demonstrate appropriate snake bite first aid
- Implement effective methods for antivenom reconstitution

Craig Cocchio, PharmD, BCPS, DABAT

Clinical Pharmacist

CHRISTUS Mother Frances Hospital

This speaker has no relevant conflicts of interest to disclose.

4:30 PM – 5:00 PM

CLINICAL PEARLS: Do the ‘Genes’ Fit? Starting a Pharmacogenetics Testing Service *(Clinical Track)*

In this session, we will assess the need for the a pharmacogenetics program and describe considerations for implementing pharmacogenetics in a health-system setting.

UAN: 0156-0000-20-126-L01-P & 0156-0000-20-126-L01-T

Credit Hours: 0.5 (0.05 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Assess the need of a pharmacogenetics program
- Summarize pharmacogenetics’ resources
- Describe considerations for implementing pharmacogenetics in a health-system setting

At the completion of this activity the technician participant will be able to:

- List two pharmacogenetics resources that can be used for reference
- Identify the four steps necessary to plan and implement pharmacogenetics in practice

Dehuti Pandya, PharmD, BCPS

Clinical Pharmacist

Brain Injury, Stroke and Spinal Cord Program

TIRR Memorial Hermann

This speaker has no relevant conflict of interest to disclose.

5:00 PM – 6:00 PM

A Just Culture as a Way of Life * - *Medication Safety* *(Management Track)*

Humans are inescapably fallible. If we can learn to accept and embrace this truth, we are able to build safer systems that allow for our fallibility. This interactive session explores the tenets of a just culture and human behavioral choices. In every system, there are inherent faults and vulnerabilities that may lead to error. If we work to understand and learn where inherent faults lie and why humans make the behavioral choices they do, we are able to build safer systems. Without a true just culture, where reporting of safety events is encouraged and rewarded, safety can never be improved. This session is appropriate for every human being on the planet.

UAN: 0156-0000-20-138-L05-P & 0156-0000-20-138-L05-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Define a just culture and why it is essential to improving safety.
- Describe the five behaviors seen with errors.
- Explain strategies that may be utilized to implement and sustain a just culture.

At the completion of this activity the technician participant will be able to:

- Define a just culture and describe how it relates to safety in healthcare.
- Describe the appropriate response with those involved in errors.
- Explain strategies that may be utilized to improve safety through error responses.

Natasha C. Nicol, PharmD, FASHP

Director of Global Patient Safety Affairs
Cardinal Health

This speaker has no relevant conflicts of interest to disclose.

5:00 PM – 5:30 PM

CLINICAL PEARLS: ADA Standards in Diabetes: Focus on Pharmacological Therapy (Clinical Track)

The 2020 ADA Clinical Practice Recommendations continue to change based on the latest data being published. Current recommendations for nutrition, pharmacological, and monitoring guidelines continue to evolve. Highlights of these changes will be explored.

UAN: 0156-0000-20-129-L01-P & 0156-0000-20-129-L01-T

Credit Hours: 0.5 (CEUs: 0.05) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Identify current updates to ADA Clinical Practice Recommendations that are pertinent to pharmacy clinical practice
- Explain pharmacological changes in Type 2 DM that apply for cardiovascular disease, obesity, cost, or risk of hypoglycemia.

At the completion of this activity the technician participant will be able to:

- Identify co-morbidities that may be beneficial or detrimental for use of medications in type 2 DM

Curtis Triplitt, PharmD, CDCES, FADCES

Associate Professor, Clinical

Medicine/Diabetes

University of Texas Health at San Antonio and

Texas Diabetes Institute, University Health System

This speaker has no relevant conflicts of interest to disclose.

5:30 PM – 6:00 PM

CLINICAL PEARLS: Vancomycin Guideline Update (Clinical Track)

Guidelines for vancomycin therapeutic drug monitoring were first published in 2009. In those guidelines, it was recommended to target serum trough concentrations of 15-20 mg/L, which likely achieves the PK/PD efficacy target of AUC/MIC >400 mg*h/L when the MIC is ≤1 mg/L. Since publication of the 2009 guidelines, many publications have evaluated the impact of these guidelines on clinical efficacy and toxicity as well as the controversies associated with vancomycin dosing based on trough serum concentration monitoring. In February 2019, the draft of the revised guidelines for therapeutic monitoring of vancomycin was released, which recommends AUC monitoring of vancomycin rather than through monitoring. In this presentation, efficacy and toxicity data supporting AUC-guided vancomycin dosing, methods for estimating vancomycin AUC exposures, and key components for successful implementation of AUC-guided vancomycin dosing will be discussed.

UAN: 0156-0000-20-121-L01-P (PHARMACIST ONLY)

Credit Hours: 0.5 (0.05 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Explain the rationale for AUC-guided vancomycin dosing
- Describe the different methods for estimating vancomycin AUC
- Discuss key components for successful implementation of AUC-guided vancomycin dosing

Stephanie E. Giancola, PharmD, BCPS, BCIDP

Infectious Diseases Clinical Pharmacist

Brooke Army Medical Center

This speaker has no relevant conflicts of interest to disclose.

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6:00 PM – 7:00 PM

NETWORKING EVENT: Networking Session

Sponsored by: Apexus

Meet with colleagues from across the state for open-ended discussions and networking.

6:00 PM – 7:00 PM

NETWORKING EVENT: Scattergories Game Night

Scattergories is a game where you are given a designated letter. Then, you fill out a pre-generated list of random categories like actors, colors, things you find in a zoo, etc. Each answer you provide for the pre-generated list of categories **MUST** start with the designated letter. For example, if you are given the letter G all of your answers must begin with G. You get a point for each original answer. If someone else has the same word as you, neither of you get the point. Be prepared to get creative! The person with the most points will be named the TSHP Scattergories champion!

6:00 PM – 7:00 PM

NETWORKING EVENT: Show Us Your Stuff Game Night

The object of the game is to find items around your house that match what the moderator is asking for. The moderator will give you a description of an item, like something that keeps you warm. You will then have 30 seconds to find an item around your house that fits that description. Once you find the item bring it back to your screen. Each participant will get the chance to share what they brought back and the moderator will decide if that correctly fits in their description. If you bring back an item that correctly fits the description you receive a point. The most creative interpretation of the item may also receive a point! The player with the most points at the end of the game is crowned the TSHP Show Us Your Stuff champion!

6:00 PM – 7:00 PM

NETWORKING EVENT: TSHP Pharmacy Spelling Bee

Each player is given a number by the moderator. This will determine the order of the participants. Participant # 1 will be given a word by the moderator. They will have 30 seconds to spell the word out loud. If they spell it correctly, they are given a point. If they misspell the word, they are eliminated. The word then goes to the next participant, who is given the opportunity to spell the word out loud. If they spell it correctly they are given a point; if they misspell it, they are eliminated and the word goes to the next participant. This process continues until the third night when the top 10 will compete to be named TSHP's Virtual Annual Seminar Pharmacy Spelling Bee Champion!

FRIDAY, SEPTEMBER 25, 2020

2:00 PM – 3:00 PM

KEYNOTE PRESENTATION: The COVID Opportunity

This presentation will examine healthcare in the United States and the vulnerabilities that were revealed as a result of the COVID-19 pandemic. How will this event change healthcare in the United States, or will it? Given that individual providers, health systems, payers, and consumers have all been dramatically impacted by the pandemic, will this be an opportunity for major changes in US healthcare – both from the financing and the service perspectives? What are the possible ways that universal healthcare might be provided in our capitalistic society without adversely affecting the economy? What opportunities may be available for pharmacists if we go through a time of rapid change in healthcare delivery and financing?

UAN: 0156-0000-20-242-L04-P & 0156-0000-20-242-L04-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist and technician participants will be able to:

- Discuss the preparedness of government and healthcare to address a major pandemic
- Indicate the effects of COVID-19 on the uninsured rate in the USA
- Anticipate how COVID-19 may affect the future of healthcare in the USA
- Discuss how unbalanced insurance risk pools make some government and private insurance plans unsustainable

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- Hypothesize regarding what healthcare in the USA will look like in ten years

M. Lynn Crismon, PharmD, FCCP, DABCP, BCPP
James T. Doluisio Regents Chair & Behrens Centennial Professor
College of Pharmacy
Professor of Psychiatry
Dell Medical School
The University of Texas at Austin
This speaker has no relevant conflicts of interest to disclose.

3:00 PM – 6:00 PM

Virtual Exhibit Hall

The exhibits will present new devices, products and services. Network with industry experts, representatives of professional associations, software vendors, regulatory agencies and others. [View our exhibitors here.](#)

3:00 PM – 4:00 PM

Navigating the Currents of USP 800 (Management Track)

This session will provide various perspectives of different hospital systems regarding preparation and implementation of USP 800 requirements. The speakers will share their processes and most importantly their lessons learned on some of the workflow challenges regarding USP 800.

UAN: 0156-0000-20-122-L07-P & 0156-0000-20-122-L07-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Describe the general principles of the <USP> 800
- Explain the standards and the challenges associated with compliance
- Discuss recommendations and its impact on healthcare system, specifically pertaining to pharmacy enterprise <USP>

At the completion of this activity the technician participant will be able to:

- Describe the general principles of the <USP> 800
- Explain the standards and the challenges associated with compliance, especially with the workflow of hospital technicians
- Discuss recommendations and its impact on healthcare system, specifically pertaining to pharmacy enterprise <USP>

Patrick Birney, PharmD, MS
Director of Pharmacy - Inpatient Operations
University of Texas Medical Branch

Ekundayo S. Osho, PharmD, MBA, BCPS
Pharmacy Manager
Houston Methodist Willowbrook Hospital

Phuoc Anh (Anne) Nguyen, PharmD, MS, BCPS
Pharmacy Manager
Houston Methodist West Hospital

Kelley Reece, PharmD
Assistant Pharmacy Manager

MD Anderson Cancer Center

These speakers have no relevant conflicts of interest to disclose.

3:00 PM – 4:00 PM

To DO or not to DO: DOACs in Special Populations *(Clinical Track)*

This session aims to discuss the current evidence for the use of direct oral anticoagulants (DOACs) in special populations, including its use in patients with renal dysfunction, obesity, and heparin induced thrombocytopenia.

UAN: 0156-0000-20-103-L01-P & 0156-0000-20-103-L01-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Application-based

At the completion of this activity the pharmacist participant will be able to:

- Evaluate recent literature related to direct oral anticoagulant (DOAC) use in patients with renal dysfunction, obesity, and heparin induced thrombocytopenia.
- Assess the limitations of existing evidence of DOAC use in these patient populations.
- Develop evidence based recommendations regarding the use of DOACs in select special populations.

At the completion of this activity the technician participant will be able to:

- Summarize the prevalence of direct oral anticoagulant (DOAC) use in special populations.
- Discuss concerns related to the use of DOACs in patients with renal dysfunction, obesity, and heparin induced thrombocytopenia.
- State current recommendations related to DOAC use in select populations.

Denise Kelley, PharmD, BCPS, AAHIVP

Clinical Pharmacy Specialist - Internal Medicine/Transitions of Care

Ascension Seton Medical Center Austin

This speaker has no relevant conflicts of interest to disclose.

Melanie R. Madorsky, PharmD, BCPS, BCCP

Clinical Pharmacy Specialist, Cardiac Care Unit

Memorial Hermann - Texas Medical Center

This speaker has no relevant conflicts of interest to disclose.

4:00 PM – 5:00 PM

Strategies to Increase Technician Retention *(Management Track)*

Employee retention issues for pharmacy technicians is emerging as a critical workforce management challenge for pharmacies. Technician practice continues to be a “gateway profession” with fewer and fewer technicians staying in it for the long run. Staff turnover has a negative financial impact due to the cost of recruiting, hiring, training a replacement employee and diminished productivity. Retention is a complex concept and there is no single recipe for keeping employees within an organization. That is why as organizations we need to use a multifaceted approach in addressing the problem. The goal of this session is to discuss some of these strategies.

UAN: 0156-0000-20-105-L04-P & 0156-0000-20-105-L04-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participants will be able to:

- Describe how institutions can maximize technician talent to reduce employee turnover
- Explain how organization can be involved in recruiting and retaining technicians
- Describe how to develop and implement institutional change to improve technician retention.

At the completion of this activity the technician participants will be able to:

- Identify areas or opportunities for increasing technician retention
- Describe how to implement different strategies in order to retain pharmacy technicians
- Explain how technicians can be engaged to help organization retain technicians

Daniel Nyakundi, CPhT
Pharmacy Resource Specialist
Memorial Hermann Memorial City

Thomas Roduta, PharmD
Pharmacy Operations Manager
Memorial Hermann Memorial City Medical Center
These speakers have no relevant conflicts of interest to disclose.

4:00 PM – 5:00 PM

The Great Infectious Diseases Debate *(Clinical Track)*

During this presentation, we will discuss clinical controversies in relation to treatment for *Clostridioides difficile* infection, Gram-positive, and Gram-negative infections.

UAN: 0156-0000-20-107-L01-P & 0156-0000-20-107-L01-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist and technician participant will be able to:

- Analyze the advantages and disadvantages of antimicrobial therapy for use in *Clostridioides difficile* infection.
- Given a patient case, analyze the advantages and disadvantages of antimicrobial therapy use for gram-positive infections.
- Given a patient case, analyze the advantages and disadvantages of antimicrobial therapy use for gram-negative infections.

Jonathan C. Cho, PharmD, MBA, BCIDP, BCPS
Clinical Pharmacy Manager; Director, PGY-2 Infectious Diseases Residency Program
MountainView Hospital

Crystal Howell, PharmD
Assistant Professor
University of North Texas System College of Pharmacy
These speaker have no relevant conflicts of interest to disclose.

5:00 PM – 6:00 PM

Transitions of Care Services - Across Inpatient to Outpatient Settings *(Management Track)*

This presentation will describe how to incorporate transitions of care services to improve patient handoffs from the inpatient to outpatient setting.

UAN: 0156-0000-20-137-L01-P & 0156-0000-20-137-L01-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Outline the implementation of a transitions of care (TOC) service from inpatient to outpatient setting.
- Identify barriers and opportunities for pharmacist involvement in TOC services.
- Discuss student pharmacists' roles in TOC services.
- Identify methods and tools to improve patient handoffs across health care settings.
- Describe methods to reduce costs to the health care system and generate revenue with TOC services.

At the completion of this activity the technician participant will be able to:

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- Outline the pharmacy technician's role(s) in TOC services.
- Discuss outcomes from clinical studies of TOC services that included a pharmacy technician on the health care team.
- Detail job opportunities or enhanced roles for pharmacist technicians in TOC services.

Jessica Wooster, PharmD, BCACP
Clinical Assistant Professor
Ben and Maytee Fisch College of Pharmacy
The University of Texas at Tyler

This speaker has no relevant conflicts of interest to disclose.

5:00 PM – 6:00 PM

2019 ATS/IDSA Guidelines for Community-Acquired Pneumonia (Clinical Track)

This presentation will focus on the 2019 ATS/IDSA guideline update and its impact on clinical practice. Opportunities to incorporate antimicrobial stewardship (AS) strategies will also be reviewed.

UAN: 0156-0000-20-251-L01-P & 0156-0000-20-251-L01-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Application-based

At the completion of this activity the pharmacist participant will be able to:

- Compare and contrast changes in management of CAP based on the 2019 ATS/IDSA guideline update.
- Examine clinical scenarios to select appropriate treatment regimens in CAP.
- Devise an approach to antimicrobial management of CAP supporting antimicrobial stewardship strategies.
- Employ a puzzle and games-based approach to illustrate management of CAP.

At the completion of this activity the technician participant will be able to:

- Identify antibiotics recommended for empiric management of community acquired pneumonia (CAP).
- Examine clinical scenarios to recognize medication safety risks associated with antibiotic use.
- Employ a puzzle and games-based approach to illustrate management of CAP.

Ardath P. Mitchell, PharmD, RN, BCPS
Infectious Diseases Clinical Pharmacist
Memorial Hermann Katy Hospital

Christy P. Su, PharmD, BCPS
Infectious Diseases Clinical Pharmacy Specialist
Memorial Hermann Greater Heights Hospital

These speakers have no relevant conflicts of interest to disclose.

6:00 PM – 7:00 PM

NETWORKING EVENT: Networking Session

Meet with colleagues from across the state for open-ended discussions and networking.

6:00 PM – 7:00 PM

NETWORKING EVENT: Scattergories Game Night

Scattergories is a game where you are given a designated letter. Then, you fill out a pre-generated list of random categories like actors, colors, things you find in a zoo, etc. Each answer you provide for the pre-generated list of categories **MUST** start with the designated letter. For example, if you are given the letter G all of your answers must begin with G. You get a point for each original answer. If someone else has the same word as you, neither of you get the point. Be prepared to get creative! The person with the most points will be named the TSHP Scattergories champion!

TSHP Virtual Seminar 2020

**** All information is preliminary and subject to change. Co-presenters are listed in alphabetical order. ****



6:00 PM – 7:00 PM

NETWORKING EVENT: Show Us Your Stuff Game Night

The object of the game is to find items around your house that match what the moderator is asking for. The moderator will give you a description of an item, like something that keeps you warm. You will then have 30 seconds to find an item around your house that fits that description. Once you find the item bring it back to your screen. Each participant will get the chance to share what they brought back and the moderator will decide if that correctly fits in their description. If you bring back an item that correctly fits the description you receive a point. The most creative interpretation of the item may also receive a point! The player with the most points at the end of the game is crowned the TSHP Show Us Your Stuff champion!

6:00 PM – 7:00 PM

NETWORKING EVENT: TSHP Pharmacy Spelling Bee

Each player is given a number by the moderator. This will determine the order of the participants. Participant # 1 will be given a word by the moderator. They will have 30 seconds to spell the word out loud. If they spell it correctly, they are given a point. If they misspell the word, they are eliminated. The word then goes to the next participant, who is given the opportunity to spell the word out loud. If they spell it correctly they are given a point; if they misspell it, they are eliminated and the word goes to the next participant. This process continues until the third night when the top 10 will compete to be named TSHP's Virtual Annual Seminar Pharmacy Spelling Bee Champion!

SATURDAY, SEPTEMBER 26, 2020

9:00 AM – 10:00 AM

Maximizing Opportunities to Protect Vulnerable Adult Against Pneumococcal Disease (Sponsored by: Vemco MedEd)

[Click here to view the flyer.](#)

10:00 AM – 11:00 AM

TIPTON LECTURE (ENCORE PRESENTATION): LIFE, Tennis Balls, and Electric Cars

What is your path, your mission, and your legacy? Leadership is about how you approach life every day, regardless of whether you are a formal leader in a specific role or leading your daily life. Learn how to focus on key areas that enable successful leadership in personal and professional life. Set out to chart your course and lead with passion.

UAN: 0156-0000-20-243-L04-P & 0156-0000-20-243-L04-T

Hours: 1.0 (CEUs: 0.1) | Type: Application-based

At the completion of this activity, the pharmacist participant will be able to:

- Define leadership as it relates to your life
- Apply the five attributes of Emotional Intelligence in your personal growth
- Relate the role of passion in achieving results
- Discuss how to refuel and recharge your life and leadership

At the completion of this activity, the technician participant will be able to:

- Define leadership as it relates to your role as a pharmacy technician and its specific challenges
- Apply the five attributes of Emotional Intelligence in your personal growth
- Relate the role of passion in achieving results
- Discuss how to refuel and recharge your life and leadership

Joyce A. Tipton, RPh, MBA, FASHP

Retired

This speaker has no relevant conflicts of interest to disclose.

11:00 AM – 3:00 PM

Virtual Exhibit Hall

TSHP Virtual Seminar 2020

**** All information is preliminary and subject to change. Co-presenters are listed in alphabetical order. ****



The exhibits will present new devices, products and services. Network with industry experts, representatives of professional associations, software vendors, regulatory agencies and others. [View our exhibitors here.](#)

11:00 AM – 12:00 PM

Collaborative Patient Care at a Full Scale Emergency Preparedness Exercise (*Management Track*)

Describe Lessons learned during participation in a full-scale emergency preparedness exercise as members of a collaborative interdisciplinary team. Specific topics discussed: Operational improvements brought through collaborative participation, and Interprofessional education experiences available to pharmacy and medical students.

UAN: 0156-0000-20-108-L04-P & 0156-0000-20-108-L04-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participants will be able to:

- Describe operational improvements brought about by collaborative practices
- Describe Lessons learned from pharmacist and pharmacy student Involvement in a full-scale emergency preparedness exercise
- Describe Lessons learned from physician and medical student Involvement in a full-scale emergency preparedness exercise
- Describe opportunities for Interprofessional education through student involvement in a full-scale emergency preparedness exercise

At the completion of this activity the technician participants will be able to:

- Explain the need for pharmacists and pharmacy technicians to participate in full scale emergency preparedness exercises
- Review the need for accurate medication reconciliation during patient assessments done at a full scale emergency preparedness exercises contribution
- Discuss the potential role of a pharmacy technician in improving medication reconciliation during a full scale emergency preparedness exercise

Eric Grayson, PharmD

Clinical Assistant Professor of Pharmacy Practice

Texas A&M University, Irma Lerma Rangel College of Pharmacy

Anne-Cécile Mingle, PharmD, M.Ed.

Clinical Assistant Professor of Pharmacy Practice

Texas A&M University, Irma Lerma Rangel College of Pharmacy

Emily Prot, DO, MPH

Regional Medical Director

Texas Department of State Health Services

Alberto Matamoros II, Pharm.D Candidate

P3

Texas A&M University, Irma Lerma Rangel College of Pharmacy

Cannon Woodbury

MS3

Texas A&M College of Medicine

These speakers have no relevant conflicts of interest to disclose.

11:00 AM – 12:00 PM

Continuous Glucose Monitoring: Interpretation and Analysis (*Clinical Track*)

To present the concept of continuous glucose monitoring and empower individuals to interpret the data to determine overall glucose control with CGM data vs. SMBG.

UAN: 0156-0000-20-100-L01-P & 0156-0000-20-100-L01-T

TSHP Virtual Seminar 2020

**** All information is preliminary and subject to change. Co-presenters are listed in alphabetical order. ****



Credit Hours: 1.0 (0.1 CEUs) | Type: Application-based

At the completion of this activity the pharmacist participant will be able to:

- Describe how to use Continuous Glucose Monitoring (CGM) Systems
- Evaluate Continuous Glucose Monitoring (CGM) Data
- Analyze Continuous Glucose Monitoring (CGM) data and implement change where indicated

At the completion of this activity the technician participant will be able to:

- Identify issues that require pharmacist intervention (e.g., DUR, therapeutic substitution, misuse, missed dose)
- Recognize common therapeutic contraindications associated with medications and continuous glucose monitoring systems
- Compare and contrast CGM systems (physical appearance, transmission types, and duration of wear).

Christine Wicke, PharmD, BCPS, BCACP, CDCES

Clinical Pharmacy Specialist

Central Texas Veterans Healthcare System

This speaker has no relevant conflicts of interest to disclose.

12:00 PM – 2:30 PM

Reverse Expo

Advanced Ticket Purchase Required to Participate

12:00 PM – 1:00 PM

Changing Landscape of the Technician Career (Management Track)

This session will highlight the job outlook for pharmacy technicians, credentialing requirements, and career opportunities available to technicians in health-systems, managed-care, and specialty pharmacies. The Practice Advancement Initiative 2030 for Pharmacy Technician Role, Education, and Training will be discussed.

UAN: 0156-0000-20-120-L04-P & 0156-0000-20-120-L04-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Summarize how the changing role of the pharmacist has impacted the supply and demand of the technician workforce.
- Describe the role of the Pharmacy Technician Accreditation Commission (PTAC).
- Describe the Practice Advancement Initiative 2030 for Pharmacy Technician Role, Education, and Training.

At the completion of this activity the technician participant will be able to:

- Summarize the anticipated supply and demand of the technician workforce.
- Outline training, education, and credentialing requirements for technicians.
- Describe career opportunities for technicians in health-systems, managed-care, and specialty pharmacies.

Bonnie K Dugie, PharmD, MBA

Director of Implementation & Accreditation

Maxor National Pharmacy Services, LLC

Karyn Swindull, CPhT

Regional Vice President of Operations-West Coast

Maxor National Pharmacy Services, LLC

These speakers have no relevant conflicts of interest to disclose.

12:00 PM – 1:00 PM

Cannabis Use in the Treatment of Pediatric Epilepsy *(Clinical Track)*

This lecture is designed to address the current state of cannabis as a treatment for pediatric epilepsy. We will cover and discuss at length both the literature regarding the effectiveness of artisanal CBD oil as well as the newly FDA approved Epidiolex. Further, we'll discuss Texas state laws regarding "low THC cannabis" use for medical purposes.

UAN: 0156-0000-20-245-L01-P & 0156-0000-20-245-L01-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Describe the use of cannabis derived products
- Distinguish cannabis products and compare differences in utilization
- State Texas laws regarding use of CBD oil

At the completion of this activity the technician participant will be able to:

- Describe the use of cannabis derived products
- Distinguish cannabis products and compare differences in utilization
- State Texas laws regarding use of CBD oil

Jon A. Cokley, PharmD

Clinical Pharmacy Specialist, Neurology

Texas Children's Hospital

This speaker has no relevant conflicts of interest to disclose.

1:00 PM – 2:00 PM

The Work-Life Integration Conundrum: Preposterous, Improbable, or Plausible? *(Management Track)*

This session will explore the challenges associated with achieving an ideal integration of professional and personal life. Participants will be guided through innovative exercises of crowd sourcing and mock consulting to evaluate the feasibility of recommended work-life strategies and to identify at least one realistic work-life integration strategy to implement personally.

UAN: 0156-0000-20-113-L04-P & 0156-0000-20-113-L04-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Application-based

At the completion of this activity the pharmacist participant will be able to:

- Discuss the challenges associated with successfully integrating professional and personal roles and responsibilities.
- Evaluate the feasibility and pharmacy-specific applicability of work-life integration strategies recommended as general career advice.
- Identify at least one realistic work-life integration strategy to implement personally.

At the completion of this activity the technician participant will be able to:

- Discuss the challenges associated with successfully integrating professional and personal roles and responsibilities.
- Collaborate with session participants to evaluate the feasibility and pharmacy-specific applicability of work-life integration strategies recommended.
- Communicate with others to identify at least one realistic work-life integration strategy to implement personally.

Stacy Taylor, PharmD, MHA, BCPS

Clinical Associate Professor, Department of Pharmacy Practice & Science

University of Kentucky College of Pharmacy
This speaker has no relevant conflicts of interest to disclose.

1:00 PM – 2:00 PM

Pharmacotherapy Considerations for Treatment of SARS-CoV-2 (Clinical Track)

This presentation will explore current developments regarding COVID-19 and examine the impact on patient care. This session will focus on the pharmacotherapeutic considerations and key take away points to help pharmacists and other health practitioners to translate science into practice.

UAN: 0156-0000-20-240-L01-P & 0156-0000-20-240-L01-T
Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity, the pharmacist participant will be able to:

- Describe the recent literature focusing on therapeutic agents for treatment of SARS-CoV-2 infection
- Discuss potential therapeutic options for treatment of SARS-CoV-2 infection
- Explain pros and cons of various therapeutic agents focused on the treatment of SARS-CoV-2 infection

At the completion of this activity, the technician participant will be able to:

- Describe the basics of therapeutic interventions focus on treatment of SARSCoV-2 infection.

Bryson Duhon, PharmD, BCPS
Assistant Dean for Student Success/Clinical Assistant Professor
The University of Texas at Austin College of Pharmacy
This speaker has no relevant conflicts of interest to disclose.

2:00 PM – 3:00 PM

A Primer on Health-System Pharmacy Financials (Management Track)

This session is designed to provide front-line team members and aspiring leaders with a basic understanding of hospital pharmacy financial management and decision making. Participants will develop foundational knowledge in pharmacy operating expenses and reimbursement. Participants will also learn how pharmacy departments enhance the healthcare value proposition through formularies, clinical programs, and other activities. No financial management experience is necessary to participate in this introductory session.

UAN: 0156-0000-20-109-L04-P & 0156-0000-20-109-L04-T
Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- List and describe typical operating expenses associated with a hospital pharmacy department, with a focus on personnel and supply expenses
- Discuss third-party payment models as they apply to hospital and health-systems, with focus on value-based reimbursement
- Discuss clinical activities and other pharmacist-driven strategies used to reduce operating expenses and improve reimbursement
- Compare and contrast productivity and performance metrics used in health-system pharmacy departments
- Identify opportunities for pharmacists to participate in the financial management of health-system pharmacy departments and improve financial performance

At the completion of this activity the technician participant will be able to:

- List and describe typical operating expenses associated with a hospital pharmacy department, with a focus on personnel and supply expenses

- Discuss third-party payment models as they apply to hospital and health-systems, with focus on value-based reimbursement
- Discuss formulary and other supply chain management strategies used to reduce operating expenses
- Compare and contrast productivity and performance metrics used in health-system pharmacy departments
- Identify opportunities for pharmacy technicians to participate in the financial management of health-system pharmacy departments and improve financial performance

Randy Martin, PharmD, BCCCP, CPPS

Clinical Pharmacist

Texas Health Harris Methodist Fort Worth

This speaker has no relevant conflicts of interest to disclose.

2:00 PM – 3:00 PM

Multi-modal Pain Management Strategies: Evidence-based Considerations for Inpatient Practice *—Pain Management (Management Track)

This session will seek to educate the audience about multi-modal pain management strategies that may have specific utility to inpatient clinical practice. An evidence-based approach to opioid, non-opioid, and adjuncts to opioid medications will be discussed, with an emphasis on the efficacy and safety of regimens.

UAN: 0156-0000-20-132-L08-P (PHARMACIST ONLY)

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Describe the complementary mechanisms of action and proposed benefits of opioid + adjunct pain management regimens.
- Recognize the current gaps in literature as they pertain to a multi-modal pain management strategy for hospitalized patients.
- Compare and contrast the safety and efficacy of select adjunctive therapies in conjunction with opioids.

Justin P. Reinert, PharmD, BCCCP

Clinical Assistant Professor

The University of Texas at Tyler, Fisch College of Pharmacy

This speaker has no relevant conflicts of interest to disclose.

3:00 PM – 4:00 PM

NETWORKING EVENT: Networking Session

Sponsored by: Apexus

Meet with colleagues from across the state for open-ended discussions and networking.

3:00 PM – 4:00 PM

NETWORKING EVENT: Scattergories Game Night

Scattergories is a game where you are given a designated letter. Then, you fill out a pre-generated list of random categories like actors, colors, things you find in a zoo, etc. Each answer you provide for the pre-generated list of categories **MUST** start with the designated letter. For example, if you are given the letter G all of your answers must begin with G. You get a point for each original answer. If someone else has the same word as you, neither of you get the point. Be prepared to get creative! The person with the most points will be named the TSHP Scattergories champion!

3:00 PM – 4:00 PM

NETWORKING EVENT: Show Us Your Stuff Game Night

The object of the game is to find items around your house that match what the moderator is asking for. The moderator will give you a description of an item, like something that keeps you warm. You will then have 30 seconds to find an item around your house that fits that description. Once you find the item bring it back to your screen. Each participant will get the chance to share what they brought back and the moderator will decide if that correctly fits in their description. If you bring back an

TSHP Virtual Seminar 2020

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item that correctly fits the description you receive a point. The most creative interpretation of the item may also receive a point! The player with the most points at the end of the game is crowned the TSHP Show Us Your Stuff champion!

3:00 PM – 4:00 PM

NETWORKING EVENT: TSHP Pharmacy Spelling Bee

Each player is given a number by the moderator. This will determine the order of the participants. Participant # 1 will be given a word by the moderator. They will have 30 seconds to spell the word out loud. If they spell it correctly, they are given a point. If they misspell the word, they are eliminated. The word then goes to the next participant, who is given the opportunity to spell the word out loud. If they spell it correctly they are given a point; if they misspell it, they are eliminated and the word goes to the next participant. This process continues until the third night when the top 10 will compete to be named TSHP's Virtual Annual Seminar Pharmacy Spelling Bee Champion!

3:00 PM – 4:00 PM

Informatics Roundtable

Join member of the TSHP Informatics Committee for discussions on a variety of topics related to informatics.

4:00 PM – 5:00 PM

TSHP Research & Education Foundation Donor Celebration Event

Don't miss the Foundation's Virtual Donor Celebration where donors can share their stories of why they support the Foundation.

5:00 PM – 6:00 PM (immediately following the Donor Celebration)

TSHP Research & Education Foundation Virtual Wine Tasting *(ticketed event)*

Attendees can network, enjoy tasting samples delivered directly to them from Sonoma County-based Passalacqua Winery, and support the Foundation's scholarship and research activities.

SUNDAY, SEPTEMBER 27, 2020

9:00 AM – 10:00 AM

Practical Strategies in HABP/VABP: Utilizing Pathogen-Specific Therapy for Multidrug-Resistant Gram-negative Infections *(Sponsored by: Vemco MedEd)*

[Click here to view the flyer.](#)

9:00 AM – 10:00 AM

Coffee Chat

Join your colleagues for a casual social networking opportunity while you wake up with a cup of coffee.

11:00 AM – 1:00 PM

Virtual Exhibit Hall

The exhibits will present new devices, products and services. Network with industry experts, representatives of professional associations, software vendors, regulatory agencies and others. [View our exhibitors here.](#)

10:00 AM – 11:00 AM

The Current and Future State of the USP Compounding Compendium *(Management Track)*

UAN: 0156-0000-20-115-L07-P & 0156-0000-20-115-L07-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Summarize the impact of the USP appeal decisions on USP Chapters <795>, <797>, <800>, and <825>
- Review the proposed changes to the NIOSH Hazardous Drug List
- Discuss compliance with USP Chapters <797> and <800> during the COVID-19 pandemic

At the completion of this activity the technician participant will be able to:

- Summarize the impact of the USP appeal decisions on USP Chapters <795>, <797>, <800>, and <825>
- Review the role of the NIOSH Hazardous Drug List and USP Chapter <800>
- Discuss strategies for the conservation of compounding PPE during the COVID-19 pandemic

Katrina K. Harper, PharmD, MBA, BCPS, BCSCP
Clinical Pharmacy Director, Sourcing Operations
Center for Pharmacy Practice Excellence
Vizient

This speaker has no relevant conflicts of interest to disclose.

10:00 AM – 11:00 AM

Stop the Bleed: Use of Reversal Agents for Direct Oral Anticoagulant Bleeding (Clinical Track)

This session will discuss the available reversal agents for major bleeding with direct oral anticoagulants, including use of specific antidotes such as idarucizumab and andexanet alfa, and non-specific agents such as prothrombin complex concentrate. The session will review available literature assessing the efficacy and safety of these agents. Case-based scenarios will be utilized to allow the attendee to apply knowledge gained to the care of a specific patient case.

UAN: 0156-0000-20-135-L01-P & 0156-0000-20-135-L01-T
Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Identify available reversal agents for patients with major bleeding on direct oral anticoagulants (DOAC)
- Compare and contrast literature regarding the use of reversal agents for DOAC related bleeding
- Given a patient case, recommend a reversal agent based on patient specific characteristics

At the completion of this activity the technician participant will be able to:

- Identify available reversal agents for patients based on DOAC administered
- Recall dosing of reversal agents for DOAC related bleeding
- List contraindications for the use of specific reversal agents

Matthew A. Wanat, PharmD, BCPS, BCCCP, FCCM
Clinical Associate Professor
University of Houston College of Pharmacy

This speaker has no relevant conflicts of interest to disclose.

11:00 AM – 12:00 PM

How to Seek Reimbursement for Clinical Pharmacy Services (Management Track)

This session serves as an introduction to those interested in seeking reimbursement for clinical pharmacy services in health-system or physician office settings. Participants will learn the basics of healthcare reimbursement and discuss the people, processes, and technology needed to effectively seek payment for services. Various reimbursement modalities available to pharmacists through commercial payers, Medicaid, and Medicare Part B will also be discussed. Implications of the recent inclusion of pharmacists in the Texas Insurance Code will also be discussed.

UAN: 0156-0000-20-249-L04-P & 0156-0000-20-249-L04-T
Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Discuss the basics of reimbursement for healthcare services
- Describe Medicare Part B reimbursement modalities available to pharmacists
- Discuss opportunities between fee-for-service and quality payment reimbursement modalities
- Discuss new reimbursement opportunities following the passage of HB 1757, pertaining to pharmacists as healthcare providers

At the completion of this activity the technician participant will be able to:

- Discuss the basics of reimbursement for healthcare services

- Discuss the personnel, processes, and technology needed to effectively seek reimbursement for clinical pharmacy services
- Discuss opportunities for pharmacy technicians in developing and implementing reimbursable clinical pharmacy services.

Randy Martin, PharmD, BCCCP, CPPS

Clinical Pharmacist

Texas Health Harris Methodist Fort Worth

This speaker has no relevant conflicts of interest to disclose.

11:00 AM – 12:00 PM

Clinical and Operational Considerations of High Cost, High Impact Medications (Management Track)

During the presentation, the speakers will introduce the concept of “high cost/high impact complex medications” and define criteria for this category, outline an institution-specific algorithm to systematically assess medication complexities throughout the medication use process, demonstrate the use of the medication use management algorithm by applying it to specific medication examples, and compare two algorithms at different institutions for medication use management of “high cost/high impact complex medications”.

UAN: 0156-0000-20-104-L01-P & 0156-0000-20-104-L01-T

Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participants will be able to:

- Introduce the concept of “high cost/high impact complex medications” and define criteria for this category
- Outline an institution-specific algorithm to systematically assess medication complexities throughout the medication use process
- Demonstrate the use of the medication use management algorithm by applying it to specific medication examples
- Compare two algorithms at different institutions for medication use management of “high cost/high impact complex medications”

At the completion of this activity the pharmacist participants will be able to:

- Introduce the concept of “high cost/high impact complex medications”
- Define criteria for this category
- Outline an institution-specific algorithm to systematically assess medication complexities throughout the medication use process

Curtis Petty, PharmD., MHA

Director of Pediatric Pharmacy

Children's Memorial Hermann Hospital

Emily Rodman, PharmD, BCPPS

Clinical Pharmacy Specialist- Neonatology/Women's Services

Texas Children's Hospital

Laura Barbre Stokes, PharmD, MS

Assistant Director - Inpatient Pharmacy Operations

Texas Children's Hospital

Karen R. Williams, PharmD, BCPPS

Pediatric Clinical Pharmacy Specialist

Children's Memorial Hermann Hospital

These speakers have no relevant conflicts of interest to disclose.

12:00 PM – 12:30 PM

Catching Errors and Tenets of Medication Reconciliation (Management Track)

This session will review common medication errors and ways to identify them. In addition, learn the value of the medication reconciliation process and its safety benefits.

UAN: 0156-0000-20-250-L05-P & 0156-0000-20-250-L05-T

Credit Hours: 0.5 (0.05 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist participant will be able to:

- Determine medication reconciliation best practices and to translate to improved medication outcomes in the next phase of care.
- Identify EMR documentation and order entry behaviors that influence the accuracy of medication data
- Evaluate the predictive value of medication appropriateness tools for identifying patients at risk for experiencing an adverse medication outcome
- Advocating for medication reconciliation programs in the community

At the completion of this activity the technician participant will be able to:

- Provide an overview of medication history and to identify opportunities for pharmacy technicians to help improve patient safety and quality of care.
- Developing policies and procedures regarding medication reconciliation processes
- Implementing and continuously improving those processes
- Training and assuring the continuing competency of those involved in medication reconciliation

Katrina K. Harper, PharmD, MBA, BCPS, BCSCP
Clinical Pharmacy Director, Sourcing Operations
Center for Pharmacy Practice Excellence
Vizient

Serena Spurlock, RCPHT, CMTM
Pharmacy Billing Technician/Admin Asst.
Methodist Charlton Medical Center

These speakers have no relevant conflicts of interest to disclose.

12:00 PM – 1:00 PM

Health Disparities: Effects of Education, Ethnicity, Location and Sexual Identity (Clinical Track)

The presentation will review the current data on health care disparities in the United States. Factors influencing health care disparities will be discussed in detail, including education, ethnicity, location and sexual identity. Ongoing initiatives to “Narrow the Gap” in health care outcomes will be explored. The attendee will leave the presentation with increased awareness of health care disparities and can apply this knowledge in their daily practice setting.

UAN: 0156-0000-20-128-L04-P & 0156-0000-20-128-L04-T

Credit Hours: 1.0 (CEUs: 0.1) | Type: Knowledge-based

At the completion of this activity the pharmacist and technician participant will be able to:

- Identify health care disparities and the factors that influence them in the United States.
- Analyze the contributing factors to health care disparities over time.
- Examine the health care initiatives aimed at narrowing the health care gaps.

Joanne C. Fazio-Gosser, RPh
Assistant Professor
University of the Incarnate Word Feik School of Pharmacy
San Antonio, Texas

TSHP Virtual Seminar 2020

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Bradi L. Frei, PharmD, MSc, BCOP, BCPS
Professor
University of the Incarnate Word Feik School of Pharmacy
San Antonio, Texas
These speakers have no relevant conflicts of interest to disclose.

1:00 PM – 2:15 PM

LEONARD LECTURE: Accountable Pharmacy Care – What should it look like?

While health-system pharmacists have spent decades developing excellent medication use systems for acute care environments, the medication use system in the community has remained mostly a disjointed, disseminated network of non-affiliated pharmacy providers with low levels of accountability for patient outcomes. The majority of available data suggests that we have generally poor medication-related outcomes for chronic diseases in the US due to a number of prescriber, pharmacist, system and patient factors. The evolution of accountable care structures in health-systems with a focus on population health, value-based financial incentives, and greater accountability for overall outcome has the effect of shifting responsibility for the medication use system and medication-related outcomes to the health-systems. While there has been an increased focus on ambulatory care clinical pharmacy services in many health-systems aimed at optimizing the medication regimen, there has been less focus and attention on the actual medication use process. Both are required to reliably improve medication-related outcomes. During this presentation, the speaker will discuss various potential models to be considered by health-systems to begin developing accountable pharmacy services within the accountable care structure of a health-system in order to create the necessary platform for achieving the goal of improving drug-related outcomes for chronic diseases.

UAN: 0156-0000-20-114-L04-P & 0156-0000-20-114-L04-T
Credit Hours: 1.0 (0.1 CEUs) | Type: Knowledge-based

At the completion of this activity the pharmacist and technician participant will be able to:

- Evaluate the influence of the evolving value-based care perspective of health-systems and payers on the requirements of the medication use process.
- Explain how pharmacy services may need to change to meet the shifting expectations of the medication use process.
- Describe the current failings of the medication use system in the community and what steps could be taken to reverse these trends and contribute to improved patient outcomes.
- Discuss how the shift of accountability in new models of health care delivery will make all aspects of medication use a high priority for health systems and health systems pharmacists.

Curtis E. Haas, PharmD, FCCP
Senior Director of Pharmacy
University of Rochester Medical Center
This speaker has no relevant conflicts of interest to disclose.

2:15 PM - 3:00 PM

Closing Session



The Texas Society of Health-System Pharmacists is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. These knowledge and application-based continuing professional education programs may provide up to 28.5 contact hours (0.285 CEUs) of continuing pharmacy education. This education has been designed with pharmacist and technician learners

in mind. To receive credit for participation in these educational sessions, you must be a registered attendee of the TSHP Virtual Seminar and your attendance verified. Access to an Internet-enabled computer is required and the use of the Mozilla Firefox browser is recommended. Accurate NABP profile and date of birth information is required for successful credit submission. It is the responsibility of the participant to ensure credit has been successfully transferred to their My CPE Monitor Profiles. TSHP is not responsible for the loss of credit to participants that do not ensure credit issuance to their My CPE Monitor Profiles by November 9, 2020. Claim your credit at the TSHP Education Portal (<https://tshp.wcea.education/>).

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Partner, Supporter, and Exhibitor Listing



Abbvie

<https://www.abbvie.com/>

AcelRx Pharmaceuticals

<http://www.acelrx.com>

AcelRx Pharmaceuticals, Inc. is a specialty pharmaceutical company focused on the development and commercialization of innovative therapies for use in medically supervised settings. In November of 2018, its lead product candidate DSUVIA™ (sufentanil sublingual tablet 30 mcg) was approved by the U.S. Food and Drug Administration.

AIS Healthcare

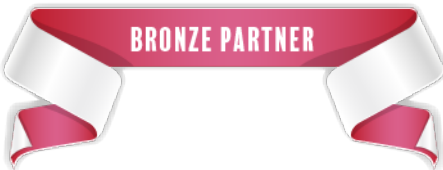
<http://www.aiscaregroup.com>

The leading 503A specialty pharmacy and targeted drug delivery care provider, AIS Healthcare is driven to improve the everyday lives of patients and providers, in ways big and small. From higher quality and sterility standards to services that improve care delivery, we do what's right, not just what's expected—every time.

Allergan

<http://www.allergan.com>

Allergan is a world leader in neuromodulator therapy and neurosciences. For over three decades, we have been committed to the research and clinical development of BOTOX® (OnabotulinumtoxinA), one of the world's most versatile medicines, to improve the physical well-being and resulting quality of life for people around the world who suffer from a variety of serious or debilitating disorders. BOTOX® is available in more than 75 countries with 20 approved indications.



BRONZE PARTNER

AMAG Pharmaceuticals

<http://www.amagpharma.com>

AMAG is a pharmaceutical company focused on bringing innovative products to patients with unmet medical needs. Every day the people at AMAG aim higher, devoting our passion and perseverance to finding new and better ways to support the health of patients and families. For additional company information, please visit www.amagpharma.com.

American Regent

<http://www.americanregent.com>

For more than 50 years, American Regent, Inc., a Daiichi Sankyo Group company, has been developing, manufacturing and supplying quality generic and branded injectables. As a top-10 injectable manufacturer, we understand the importance of ensuring consistent supply of our products. As a result, American Regent is committed to US based manufacturing. Speed counts. Flexibility matters. Reliability and quality are paramount. Because patients should never have to wait for the medications they need.

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Apexus

<http://www.340BPVP.com>

Apexus serves as HRSA's Prime Vendor for the 340B Drug Pricing Program. We provide access to discounted medications, education and compliance needs and manufacturer refund services to more than 12,200 covered entities serving vulnerable populations. More information about the Prime Vendor Program is available at www.340BPVP.com.
(non-exhibiting)



SUPPORTERS

Astellas Pharma US

<http://www.astellas.com>

Astellas Pharma US, Inc., is a U.S. affiliate of Tokyo-based Astellas Pharma Inc. Astellas is a pharmaceutical company dedicated to improving the health of people around the world through the provision of innovative and reliable pharmaceutical products. Astellas is committed to the areas of Infectious Disease, Immunology, Oncology, Cardiology, and Urology. To learn more about Astellas and the portfolio of products visit www.astellas.com/us



SILVER PARTNER

AstraZeneca

<http://astrazeneca-us.com>

AuroMedics

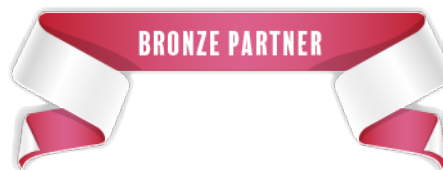
<http://auromedics.com>

AuroMedics Pharma LLC is a pharmaceutical company that develops, manufactures, markets and distributes generic injectable products. Our mission is to develop as many injectable products for the US institutional market as possible, providing a consistent and reliable supply, at a fair price and of the highest quality. We are very customer-focused organization that continuously seeks ways to be a reliable source for our customers' needs.

BioFire Diagnostics

<http://biofiredx.com>

BioFire's FilmArray® System uses syndromic testing to identify infectious diseases with five FDA-cleared and CE-IVD marked assay specific reagent panels. The FilmArray System combines a broad grouping of probable pathogenic causes into a single, rapid test. Each panel simultaneously tests for a comprehensive set of targets in about an hour.

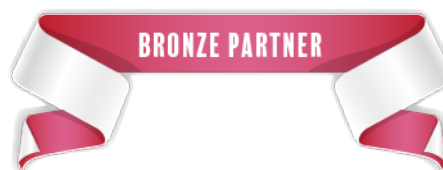


BRONZE PARTNER

BTG Specialty Pharmaceuticals/Boston Scientific

<http://www.bostonscientific.com>

BTG is a growing international specialist healthcare company bringing to market innovative products in specialist areas of medicine to better serve doctors and their patients. We have a portfolio of Interventional Medicine products to advance the treatment of liver tumors, emphysema, blood clots, and varicose veins, and Specialty Pharmaceuticals that help patients overexposed to certain medications or toxins. Inspired by patient and physician



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needs, BTG is investing to expand its portfolio to address some of today's most complex healthcare challenges. To learn more about BTG, please visit: btgplc.com.

Cardinal Health

<https://www.cardinalhealth.com/en.html>

Headquartered in Dublin, Ohio, Cardinal Health is a global, integrated healthcare services and products company serving hospitals, healthcare systems, pharmacies, ambulatory surgery centers, clinical laboratories and physician offices worldwide. With approximately 50,000 team members in 60 countries, we deliver medical products and pharmaceuticals and provide cost-effective solutions.

Coherus Biosciences

<http://www.coherus.com>

Coherus BioSciences, founded in 2010, is a leading biologics platform company primarily focused on delivering high-quality biosimilar therapeutics. Our platform includes world-class capabilities in process science, analytical characterization, protein production, and clinical and regulatory development. Coherus is dedicated to improving patient lives by easing the financial burden of treatment to keep the focus on care, not cost.

Coherus is composed of a team of industry veterans with decades of experience in pioneering biologics. Many of our leaders were directly involved in developing, manufacturing, and commercializing blockbuster biologics that elevated biologics from niche to mainstream medicine. Today, this team is unlocking the true potential of this category and speeding the evolution of important medicines from biologics to biosimilars.

ConsortiEX

<http://www.consortiex.com>

ConsortiEX, a healthcare IT company, dedicated to health system pharmacy, provides software and services for managing the Total Ingredient Lifecycle from ordering, production, distribution, and tracking of pharmaceutical products for health systems and affiliates... from Pedigree to Patient®.

The Assure-Trak® Compounding Management System integrates Batch and Dynamic Patient Specific Compounding enabling tracking ingredients from production to patient administration. DSCSA Compliance as a Service removes the compliance burden with comprehensive data collection and traceability services exceeding future DSCSA requirements.

Contec Inc.

CSL Behring

<http://CSLBehring.com>

CSL Behring is a global biotherapeutics leader driven by our promise to save lives. Focused on serving patients' needs by using the latest technologies, we develop and deliver innovative therapies that are used to treat rare and serious conditions that include immunodeficiency and autoimmune diseases, hereditary and acquired bleeding disorders, hereditary angioedema, hereditary emphysema, and in transplantation and critical care.

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DAIICHI SANKYO

<http://www.dsi.com>

Daiichi Sankyo, Inc., headquartered in Basking Ridge, New Jersey, is the U.S. subsidiary of Daiichi Sankyo Co., Ltd.

Daiichi Sankyo, Inc. is a member of the Daiichi Sankyo Group and is focused on the development of oncology therapies and specialty medicines. Daiichi Sankyo, Inc. medicines approved in the U.S. include therapies for hypertension, dyslipidemia, diabetes, thrombosis, stroke risk reduction, acute coronary syndrome, IV iron therapy, metastatic melanoma, tenosynovial giant cell tumors and metastatic breast cancer.

Dynalabs, LLC

<http://dynalabs.us>

Dynavax

<http://dynavax.com>

Dynavax is a commercial-stage biopharmaceutical company. Our FDA-approved Hepatitis B vaccine is the only two-dose hepatitis vaccine for adults that completes the series in 1 month. It is the first approved hepatitis B vaccine in over 25 years and received a unanimous recommendation from the Advisory Committee on Immunization Practice.

Edge Pharma LLC

<http://www.edgepharma.com>

The world-class scientific, pharmacy, and engineering staff at Edge Pharmacy Services understand the challenges your organization, whether large or small, are tackling. As your compliance partner, we are dedicated to providing turnkey 503B outsourcing with the highest level of quality, easy ordering, simple logistics, and excellent customer support. Specialties under the Edge umbrella include OR anesthesia, allergy immunotherapy, dermatology, ophthalmology, otolaryngology, urology, and nonsterile.

Fagron Sterile Services

<http://fagronsterile.com>

Founded in 1990, Fagron is the world's leading pharmaceutical company dedicated to safe, quality pharmacy compounding. Fagron Sterile Services US, formerly JCB Laboratories, is a vertically integrated 503B Outsourcing Facility uniquely positioned to bring world-class innovation to support specialized solutions for acute care hospitals, ambulatory surgery centers and physician offices.

FFF Enterprises

<http://www.fffenterprises.com>

FFF Enterprises leads in supply chain safety and surpasses distribution expectations through its commitment of Guaranteed Channel Integrity®. E-commerce platforms, BioSupply® and MyFluVaccine®, empower customers to order with convenience and reliability. Technologically-advanced inventory storage solutions, VIPc® and MinibarRx®, shape the future of inventory management with unique Forward-Deployed Inventory (FDI) programs.

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Genentech A member of the Roche Group

<http://www.gene.com>

Since founding the biotechnology industry more than 35 years ago, Genentech has shaped the industry and set the standard for quality. We strive to be the leader in biotechnology by maintaining the highest standards and revolutionizing the treatment of life-threatening diseases. Across the global organization, we have a shared set of values — Integrity, Courage, and Passion.

OUR PURPOSE

Doing now what patients need next

We believe it's urgent to deliver medical solutions right now....

Helmer Scientific

<http://www.helmerinc.com>

Helmer Scientific introduces GX Solutions, the first professional medical-grade refrigerators. Learn how these refrigerators combine temperature, noise and energy management to deliver optimized control. Helmer is an entrepreneurial, growth company headquartered in Noblesville, Indiana. We design, manufacture, market, and distribute specialized medical and laboratory equipment to clinical, pharmacy and life science customers in over 125 countries. Our cold storage solutions include medical-grade refrigerators and freezers providing reliability and high performance.

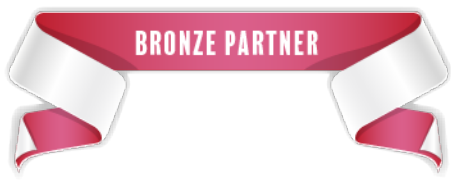
Inmar, Inc.

<http://www.inmar.com>

Kit Check

<http://www.kitcheck.com>

Kit Check designs solutions to help hospitals deal with issues of diversion, standardization, inventory control, data analytics, and operational efficiencies. The flagship Kit Check product is an RFID-based automated medication tray management system, designed to help hospital pharmacies gain better visibility into medication usage and lifespan, increase efficiencies, and free up staff to focus on patient care. Kit Check's Bluesight for Controlled Substances platform helps hospitals combat drug diversion by pinpointing outlier behavior patterns.



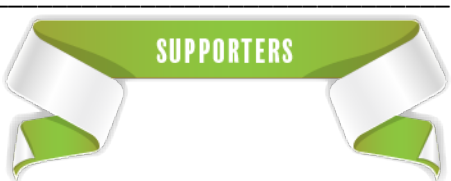
BRONZE PARTNER

Morris & Dickson Co., LLC

<http://www.morrisdickson.com>

Morris & Dickson CO., LLC has been a recognized leader in pharmaceutical distribution services since 1841. We are fully committed to delivering premier quality and industry leading innovation.

(non-exhibiting)



SUPPORTERS

Neomed

<http://neomedinc.com>

NeoMed is a global volume leader for the manufacture of ENFit® (standard and low dose) and oral/enteral syringes serving the neonatal community since 2007. NeoMed develops innovative enteral collection and delivery products supporting the specialized feeding and medication dosing needs of the low birth weight, neonatal and pediatric patient. We are committed to improve patient outcomes

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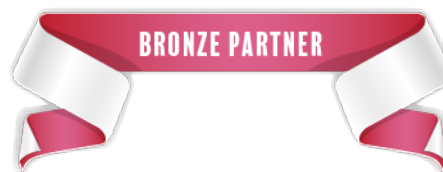
through product designs that meet safety, clinical, and regulatory guidelines while supporting cost containment objectives.

Nephron Pharmaceuticals

<http://www.nephronpharm.com>

Nephron Pharmaceuticals Corporation is a leading manufacturer of generic respiratory and 503B outsourcing medications. The company produces pre-filled sterile syringes and IV bags for hospitals across America, in an effort to

alleviate their drug shortage needs. Licensed by the Food and Drug Administration, Nephron follows cGMP, GDP and all quality expectations. Nephron received a 2017 ISPE/FOYA innovation award for the high level of automation present throughout the facility. For more information, please visit www.nephronpharm.com.



Nexus Pharmaceuticals

<http://nexuspharma.net>

Nexus Pharmaceuticals, a US-based, privately held healthcare company, specializes in innovative processes to make difficult-to-manufacture specialty and generic drugs that are easier to use, less labor-intensive, and more streamlined in practice. Nexus ensures that its high-quality, FDA-approved drugs fulfill a critical, unmet medical need and delivers dependable life-saving treatment options when and where they're needed most.

Octapharma

<http://octapharmausa.com>

Paratek Pharmaceuticals

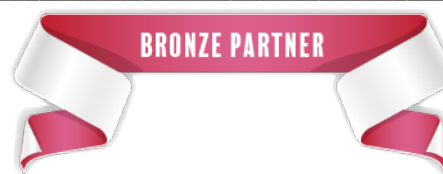
Pfizer Biosimilars

Portola

<http://www.portola.com>

Portola Pharmaceuticals develops products in the fields of thrombosis and other hematologic diseases. Approved in the US: Bevyxxa® (betrixaban), an oral, once-daily Factor Xa inhibitor anticoagulant and AndexXa® (andexanet alfa), a

recombinant protein to reverse the anticoagulant effects of oral or injectable Factor Xa inhibitors. In development: cerdulatinib, a Syk/JAK inhibitor to treat hematologic cancers.



QuVa Pharma

<http://www.quvapharma.com>

As a national platform for compounded sterile preparations, QuVa Pharma is a leader in 503B outsourcing services. Run by a team with deep experience in cGMP and aseptic pharmaceutical manufacturing, QuVa takes end product testing to the highest level by testing EVERY batch, EVERY time – never releasing a product at-risk. EVERY batch undergoes USP <71> sterility, USP <85> endotoxin and HPLC potency.

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RC Smith/MMI Systems

<http://rcsmith.com>

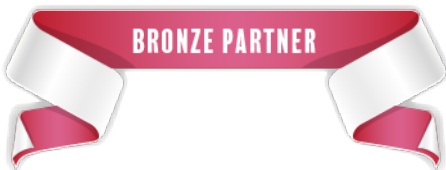
Sandoz

<http://www.sandoz.com>

Sandoz is a global leader in generic pharmaceuticals and biosimilars. As a division of the Novartis Group, our purpose is to discover new ways to improve and extend people's lives. We contribute to society's ability to support growing healthcare needs by pioneering novel approaches to help people around the world access high-quality medicine.

Sanofi Pasteur

<http://www.sanofi.com>



BRONZE PARTNER

ScriptPro

<https://www.scriptpro.com/>

ScriptPro provides a comprehensive, integrated platform of robotics-enabled systems to optimize retail and ambulatory pharmacy operations, promoting safe and effective medication use and adherence, including support for specialty pharmacy services, high-risk/high cost medications, 340B dispensing, home-based patient medication adherence, and third party financial management.

Shionogi Inc.

<http://Shionogi.com>

Shionogi Inc. is the U.S. subsidiary of a 141-year-old global pharmaceutical company with headquarters in Osaka, Japan. We're dedicated to advancing the greater good by developing, partnering, and commercializing medicine to treat serious unmet medical needs.

Fetroja (Cefiderocol) The world's only siderophore cephalosporin-uses iron to actively enter bacterial cells, along with passive porin entry
(non-exhibiting)



SUPPORTERS

Shire

STAQ Pharma Inc.

<http://www.staqpharma.com>

Steri-Tamp® by Allied Pharmacy Products, Inc.

<http://www.steri-tamp.com>

Allied Pharmacy Products, Inc. manufactures Steri-Tamp®, the most innovative single-use seals in hospital pharmacy today. Steri-Tamp® IV Bag and Vial Seals not only offer great tamper-evidence but also provides and maintains a 100% sterile barrier. Our non-sterile Syringe seals also provide true tamper-evidence. Our new Tamper-Clear Syringe Seal™ makes it so you no longer have to choose

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between tamper-evidence and visibility of the syringe markings. To learn more, visit our website www.steri-tamp.com.

Sun Pharmaceuticals

<http://www.sunpharma.com>

Sun Pharma is the 4th largest specialty generic pharmaceutical company in the world, providing high-quality, affordable medicines in over 150 countries. Our mission is to enhance people's lives with innovative and quality generic, branded, and over-the-counter medicines, providing exceptional value in our communities. In the US, Sun Pharma is focused on helping patients in Generics, Dermatology, Oncology, Ophthalmology, and Long Term Care.

Tacy Medical

<http://www.tacymedical.com>

Texas A&M Rangel College of Pharmacy

<http://pharmacy.tamhsc.edu>

Emboldened by its mission and vision, the Texas A&M Rangel College of Pharmacy endeavors to change the face of South Texas through its unbridled commitment to exceptional pharmacy education, superior science, and compassionate patient care. The program has expanded to College Station and continues to advance the profession of pharmacy and enhance the quality of peoples' lives in South Texas, the state of Texas, and beyond.

Texas State Board of Pharmacy

<http://www.pharmacy.texas.gov>

The Texas State Board of Pharmacy is the state agency responsible for the licensing/registration of Texas pharmacists, pharmacy technicians, and pharmacies; for establishing regulations for pharmacy practice; and for disciplining licensees and registrants.

TTUHSC Jerry H. Hodge School of Pharmacy

<http://ttuhsc.edu/pharmacy>

The Texas Legislature established the Texas Tech University Health Sciences Center (TTUHSC) School of Pharmacy (SOP) in 1993. The enabling legislation specified that the SOP be located on the TTUHSC campus in Amarillo to meet the needs of the 108 West Texas counties that make up Texas Tech's service region and the Dallas/Fort Worth Metroplex.

Veltek Associates, Inc.

<http://sterile.com>

VAI's manufacturing and testing operations mirror current GMP/GLP standards. With over 35 years of experience, our extensive line of products and services, offer a solution to all challenges associated with contamination control in pharmaceutical manufacturing. Our product offerings include, disinfectants, sporicides, residue removers, process cleaners, quality water, pre-saturated and dry wipes, disposable garments, cleanroom paper, documentation materials, RFID tracking systems, printing systems, viable monitoring, cart transfer systems, cleaning equipment, consulting and laboratory services.

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Vemco MedCo

<http://www.vemcomeded.com>

(non-exhibiting)



Wells Pharma of Houston

<http://wellspharmatx.com>

WG Critical Care, LLC

<http://www.wgccrx.com>

WG Critical Care, LLC is a fully integrated injectable pharmaceutical company headquartered in Paramus, New Jersey. Our focus is to provide the hospital and specialty markets with a reliable supply of critical care products. WG Critical Care and our affiliates have a proven 30-year track record of supply of API and finished product to the US market, and a focus on developing new products to address the needs of the market.



Please join us
Saturday morning
for a Hosted Symposium!

Saturday, September 26, 2020
9:00 - 10:00 AM CT



Maximizing Opportunities to Protect Vulnerable Adults Against Pneumococcal Disease

Educational Overview

Pneumococcal disease is a leading cause of hospitalization and mortality in the United States. The Centers for Disease Control and Prevention (CDC) estimates that 4 million episodes of *Streptococcus pneumoniae* infections occur each year, including about 900,000 cases of pneumococcal pneumonia resulting in as many as 400,000 hospitalizations. Older adults are particularly vulnerable to pneumococcal disease and its associated complications. Among all those who are hospitalized, the mortality rate ranges from 5% - 7% , with even higher rates among those 65 years and older.

The most effective way to protect against pneumococcal disease is through vaccination. However, in the US, only 56% of non-institutionalized adults ≥ 65 years of age have been vaccinated. The immunization rate among younger vulnerable adults who are eligible for vaccination, such as immunocompromised individuals, is even lower at less than 20%. The challenge remains in overcoming the many barriers associated with adult vaccination. Part of the challenge is having a thorough understanding of the currently available pneumococcal vaccines and their characteristics, including serotype coverage and immunogenicity among various patient groups. Pharmacists play a significant role in reducing the burden of pneumococcal disease in the community and institutional settings. Therefore, they must be aware of vulnerable patient populations and have a thorough understanding of the latest ACIP immunization recommendations. This program will focus on reviewing the burden of pneumococcal disease in vulnerable adults and offer pharmacists strategies to improve vaccination of at-risk individuals through communication and education techniques.

Learning Objectives

Upon completing this activity, participants will be able to:

- Describe the clinical consequences of pneumococcal disease and its associated complications among at-risk adults
- State the latest ACIP recommendations for pneumococcal vaccination among older adults and other at-risk patient populations
- Identify strategies to adhere to ACIP pneumococcal vaccination recommendations and overcome barriers by both healthcare providers and patients

Target Audience

This continuing pharmacy education activity is planned to meet the needs of pharmacists in a variety of practice settings, including large and small healthcare systems, outpatient clinics, managed care organizations, long-term care facilities, and academia. This program targets pharmacists who are at the forefront of caring for adult patients eligible for immunizations and/or at risk for vaccine-preventable diseases.

Program Agenda

Welcome and Introduction

Consequences of Pneumococcal Disease

1. Incidence and consequences of pneumococcal disease
2. Risk factors for infection and serious complications

Approaches to Minimize Pneumococcal Disease Burden

1. Updated ACIP recommendations
2. Tactics to adhere to ACIP recommendations
3. Communication strategies to overcome patient barriers to vaccination

Open Forum: Q&A

Faculty



James S. Lewis II, PharmD, FIDSA
ID Clinical Pharmacy Coordinator
& Adjunct Associate Professor
Oregon Health and Science University
Departments of Pharmacy & Infectious Diseases
Portland, OR

Accreditation | Pharmacists



Center for Independent Healthcare Education is accredited by the Accreditation Council for Pharmacy Education as a provider for continuing pharmacy education. Center has assigned 1.0 contact hour (0.1 CEU) of continuing pharmacy education credits for participating in this activity.

ACPE UAN: 0473-9999-20-001-L06-P **Activity Type:** Knowledge-based
For questions regarding accreditation, contact info@jointsponsor.com

Disclosures of Conflict of Interest

Center for Independent Healthcare Education and Vemco MedEd require faculty, planners, and others who are in a position to control the content of continuing education activities to disclose to the audience any real or apparent conflict of interest related to the activity. All identified conflicts of interest are reviewed and resolved to ensure fair balance, objectivity, and scientific rigor in all activities. The faculty is further required to disclose discussion of off-label uses in their presentations.

There is no additional fee to attend this CPE activity.

Jointly provided by Center
for Independent Healthcare
Education and Vemco MedEd



Supported by an educational grant from Merck & Co., Inc.

PRACTICAL STRATEGIES IN HABP/VABP

**Utilizing Pathogen-Specific Therapy for
Multidrug-Resistant Gram-negative Infections**

Sunday, September 27, 2020
9:00 - 10:00 AM
Live Virtual Meeting

EDUCATIONAL OVERVIEW

Updated data from CDC estimate at least 2.8 million people acquire antimicrobial-resistant bacterial infections each year that result in at least 35,000 deaths. This is a dramatic increase from the CDC's 2013 report and emphasizes the need for continued efforts and education to combat resistance. Clinicians must utilize antimicrobial stewardship strategies that aim to reduce the development of resistance as well as be aware of new tools that can greatly enhance their ability to effectively treat these infections. These tools include rapid diagnostics that quickly and reliably identify resistant pathogens as well as newer, more potent antimicrobial agents that can overcome resistance mechanisms and allow for pathogen-specific therapy.

The rising prevalence of multidrug-resistant (MDR) Gram-negative pathogens has seriously challenged clinicians and results in a substantial burden to patients and healthcare systems. This is particularly evident when managing vulnerable patient populations, such as those with ventilator-associated bacterial pneumonia (VABP) and hospital-acquired bacterial pneumonia (HABP) who are at greater risk of treatment failure and mortality. Clinical pharmacists, as an integral part of interprofessional teams and Antimicrobial Stewardship Program committees, must continue to spread awareness and implement strategies to minimize the burden of these infections.

AGENDA

This program is designed to build competence, confidence, and skills in the management of HABP/VABP while increasing the understanding of how to utilize the latest tools as part of antimicrobial stewardship efforts and interprofessional healthcare team.

LEARNING OBJECTIVES

Upon completing this activity, participants will be able to:

- Describe current trends in antimicrobial resistance and mechanisms of resistance utilized by Gram-negative pathogens that commonly cause hospital-acquired bacterial pneumonia (HABP) and ventilator-associated bacterial pneumonia (VABP)
- Differentiate among newer antimicrobial agents that target multidrug-resistant Gram-negative bacteria
- Evaluate evidence-based strategies to optimally utilize the current selection of antimicrobial agents in a pathogen-specific manner when managing HABP/VABP

TARGET AUDIENCE

This continuing pharmacy education activity is planned to meet the needs of pharmacists in a variety of practice settings, including large and small healthcare systems, outpatient clinics, managed care organizations, long-term care facilities, and academia. This program targets pharmacists who are at the forefront of caring for adult patients with serious bacterial infections.

FACULTY



James S. Lewis II, PharmD, FIDSA
ID Clinical Pharmacy Coordinator
& Adjunct Associate Professor
Oregon Health and Science University
Departments of Pharmacy & Infectious Diseases
Portland, OR

This activity is part of TSHP Annual Seminar. There is no additional fee to attend this CPE activity.

Accreditation | Pharmacists



Center for Independent Healthcare Education is accredited by the Accreditation Council for Pharmacy Education as a provider for continuing pharmacy education. Center has assigned 1.0 contact hour (0.1 CEU) of continuing pharmacy education credits for participating in this activity.

ACPE UAN: 0473-9999-20-002-L01-P **Activity Type:** Application-based
For questions regarding accreditation, contact info@jointspponsor.com

Disclosures of Conflict of Interest

Center for Independent Healthcare Education and Vemco MedEd require faculty, planners, and others who are in a position to control the content of continuing education activities to disclose to the audience any real or apparent conflict of interest related to the activity. All identified conflicts of interest are reviewed and resolved to ensure fair balance, objectivity, and scientific rigor in all activities. The faculty is further required to disclose discussion of off-label uses in their presentations.

**Jointly provided by Center
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Education and Vemco MedEd**



**Supported by an educational
grant from Merck & Co., Inc.**