Third Annual Middle Tennessee Antimicrobial Stewardship Symposium

Friday, February 1, 2019
Janet Ayers Conference Room
Belmont University
8:00am-4:30pm

Registration is limited to the first 175 registrants

Deadline to Register: Friday, January 25, 2019

Up to 5.25 contact hours (0.525 CEUs) of LIVE CE Credit Available (CME, CPE, CNE) for this Knowledge-based CE Activity

Target Audiences: Pharmacists, Pharmacy Technicians, Nurses, and Medical Professionals

Keynote speaker
CAPT Arjun Srinivasan, MD
Associate Director, Division of Healthcare Quality Promotion
Centers for Disease Control and Prevention, Atlanta, GA

Symposium Learning Objectives

At the end of this symposium, the learner should be able to:

- Discuss state and nationwide antimicrobial stewardship efforts and how they affect your practice.
- Discuss how to appropriately utilize current information and diagnostics technology to maximize your stewardship impact in your facilities.
- Identify resources available to assist in the development of antimicrobial stewardship programs in the acute care, long-term care, and outpatient settings.
- Evaluate an antimicrobial stewardship program using evidence-based metrics.
- Explain the importance of interdisciplinary and inter-facility collaboration in antimicrobial stewardship programs.
- Discuss optimization of antimicrobial therapy for certain infections based on your community's and region's antibiogram.

Questions? Contact Laura Hyde at pharmacyce@belmont.edu or 615-460-5730.
Program Agenda

8:00am-8:30am Registration & Breakfast

8:30am-8:45am Welcome & Housekeeping

8:45am-9:15am Update on TN MDRO Surveillance and Antimicrobial Stewardship Efforts
(0.05 CEUs; UAN: 0863-0000-19-001-L04-P)
Christopher Evans, PharmD, BCPS, Pharmacist, Tennessee Department of Health, Nashville, TN

Learning Objectives:
1. Describe the current state of antibiotic stewardship core element achievement, National Healthcare Survey Network Antimicrobial Use & Resistance reporting and antibiotic prescribing rates in the state of Tennessee
2. Describe the tools used by the Tennessee Department of Health for multi-drug resistant organism surveillance and how they impact antimicrobial stewardship efforts in TN
3. Outline efforts and potential future plans for stewardship from the Tennessee Department of Health

9:15am-9:45am S. aureus Bacteremia and Current Treatment Options
(0.05 CEUs; UAN: 0863-0000-19-002-L01-P)
Whitney Nesbitt, PharmD, BCPS, BCIDP, Vanderbilt University Medical Center, Nashville, TN

Learning Objectives:
1. Describe characteristics of s. aureus bacteremia
2. Discuss treatment options for MSSA and MRSA bacteremias
3. Distinguish amongst treatment options in the setting of salvage therapy

9:45am-10:30am New and Emerging Therapies for the Treatment of Bacterial Infections
(0.05 CEUs; UAN: 0863-0000-19-003-L01-P)
Kristi Kuper, PharmD, BCPS, Sr. Clinical Manager, Infectious Diseases, Vizient, Houston, TX

Learning Objectives:
1. Discuss the primary legislative drivers that have led to increased approval of new antibacterials
2. Describe the investigational drugs that are expected to be approved in 2019
3. Compare the spectrum of activity of the investigational drugs with currently available therapies

10:30am-11:00am Beverage Break

11:00am-11:45am Engaging Providers: Using Metrics to Drive Change
(0.075 CEUs; UAN: 0863-0000-19-004-L04-P)
Elizabeth Dodds Ashley, PharmD, MHS, FCCP, BCPS, Director of Operations, Duke Antimicrobial Stewardship Outreach Network (DASON), Durham, NC

Learning Objectives:
1. Describe key strategies for delivering provider feedback to ensure change
2. Outline metrics that are effective in driving changes in prescribing behavior
3. List strategies for determining which metrics are best to implement in local stewardship programs

11:45am-12:30pm Antibiotic Stewardship: CDC Update
(0.075 CEUs; UAN: 0863-0000-19-005-L04-P)
Keynote Speaker - CAPT Arjun Srinivasan, MD
Associate Director, Division of Healthcare Quality Promotion, Centers for Disease Control and Prevention, Atlanta, GA

Learning Objectives:
1. List changes to the National Healthcare Safety Network (NHSN) annual survey
2. Describe how many US hospitals have implemented CDC Core Elements
3. Describe changes to the Standardized Antimicrobial Administration Ratio
Program Agenda (continued)

12:30-1:30pm  Lunch
1:30-2:00pm  Roundtable Session #1 (Sessions listed below)
2:05-2:35pm  Roundtable Session #2 (Sessions listed below)
2:35-2:45pm  Beverage Break
2:45-3:15pm  Roundtable Session #3 (Sessions listed below)
3:20-3:50pm  Roundtable Session #4 (Sessions listed below)
3:50-4:00pm  Return to Conference Room
4:00-4:30pm  Closing Session

ROUND TABLE SESSIONS

Each attendee will be able to attend four of the following roundtable topics.

Each 30-minute session provides 0.05 CEUs.

Session 1 (1:30pm-2:00pm) & Session 2 (2:05-2:35pm)

- **The Laboratory’s Role in Antimicrobial Stewardship and the Impact of Rapid Diagnostics at Williamson Medical Center**  
  UAN: 0863-0000-19-006-L04-P  
  Patti Walton, MT(ASCP), MHSA, Director of Laboratory Services, Williamson Medical Center, Franklin, TN  
  **Learning Objectives:**  
  - Describe the laboratory’s role in antimicrobial stewardship and how multiplex and single platform PCR testing results in change management that improves patient safety and patient outcomes  
  - Discuss the importance of rapid diagnostic testing algorithms/ordering optimization and outcome measures to evaluate the effectiveness of the program

- **Implementing a Successful Antibiotic Stewardship Program in Long-Term Care Facilities (LTCFs)**  
  UAN: 0863-0000-19-010-L04-P  
  Cullen Adre, PharmD, Pharmacist, Tennessee Department of Health, Nashville, TN  
  **Learning Objectives:**  
  - Define the components of a successful stewardship program in LTCFs  
  - Identify barriers to implementing a successful stewardship program in LTCFs  
  - Discuss practical interventions in resource limited LTCFs

- **Antibiotic Stewardship Strategies for C. difficile**  
  0863-0000-19-011-L01-P  
  Mandelin Cooper, PharmD, BCPS, Director of Clinical Pharmacy, HCA Healthcare, Nashville, TN  
  **Learning Objectives:**  
  - Discuss treatment for C. difficile based on the new guidelines and how this impacts stewardship programs  
  - Describe antibiotic stewardship strategies for reducing C. difficile in an acute care setting  
  - Identify medications that place patients at higher risk of developing C. difficile infection

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ROUNDTABLE SESSIONS
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Session 1 (1:30-2:00pm) & Session 2 (2:05-2:35pm)

- **Road to National Healthcare Safety Network (NHSN) Reporting**
  UAN: 0863-0000-19-013-L04-P
  Zina Gugkaeva, PharmD, BCIDP, Infectious Diseases Pharmacist, Maury Regional Medical Center, Columbia, TN
  **Learning Objectives:**
  - Identify ways to gather leadership support for NHSN reporting
  - Outline steps necessary for successful reporting to NHSN
  - Describe potential barriers to NHSN reporting

- **Combating Treatment of Asymptomatic Bacteriuria and Other Common Misperceptions**
  UAN: 0863-0000-19-015-L01-P
  Shaefer Spires, MD, Assistant Professor, Vanderbilt University Division of Infectious Diseases; Physician Chair, Antimicrobial Stewardship, Williamson Medical Center, Franklin, TN
  **Learning Objectives:**
  - Elaborate on the difference in colonization and infection
  - Know when to treat colonization and when to never treat it
  - Describe examples of how to change over-treating behaviors in prescribers

- **Using National Healthcare Survey Network (NHSN) Data to Craft Stewardship Interventions**
  UAN: 0863-0000-19-017-L04-P
  Elizabeth Dodds Ashley, PharmD, MHS, FCCP, BCPS, Director of Operations, Duke Antimicrobial Stewardship Outreach Network (DASON), Durham, NC
  **Learning Objectives:**
  - Describe how to discuss differences in observed and expected antibiotic use data
  - Outline example interventions that have successfully driven change in antibiotic use based on NHSN data
  - List data that are not available at present in NHSN to help realistic goal setting

- **Alphabet Soup of Carbapenem-resistant Enterobacteriaceae (CRE)**
  UAN: 0863-0000-19-019-L01-P
  Pam Talley, MD, MPH, Deputy Director, Healthcare Associated Infections and Antimicrobial Resistance, Tennessee Department of Health, Nashville, TN
  **Learning Objectives:**
  - Describe the incidence and mechanisms of resistance among CRE in Tennessee
  - Identify implications of various resistance mechanisms for stewardship programs

- **Antimicrobial Stewardship in the Emergency Department**
  UAN: 0863-0000-19-021-L04-P
  Josh Senn, PharmD, BCPS, Emergency Medicine Clinical Pharmacist, Baptist Health Floyd, New Albany, IN
  **Learning Objectives:**
  - Discuss implementation of a pharmacist-led culture follow-up service in the emergency department (ED)
  - Identify benefits of utilizing push-dose antibiotics in the ED

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# ROUNDTABLE SESSIONS

Each attendee will be able to attend four of the following roundtable topics.

Each 30-minute session provides 0.05 CEUs.

**Session 3 (2:45-3:15pm) & Session 4 (3:20-3:50pm)**

**• Procalcitonin: Clear as Mud**  
*UAN: 0863-0000-19-007-L01-P*  
Sophie Katz, MD, Clinical Fellow, Pediatric Infectious Diseases, Vanderbilt University Medical Center, Nashville, TN  
**Learning Objectives:**  
- List indications for procalcitonin  
- Describe the data supporting these indications  
- Identify when not to use procalcitonin

**• Practical Implementation of a S. aureus Bacteremia Management Algorithm**  
*UAN: 0863-0000-19-008-L04-P*  
Whitney Nesbitt, PharmD, BCPS, BCIDP, Vanderbilt University Medical Center, Nashville, TN  
**Learning Objectives:**  
- Examine the need for S. aureus bacteremia management algorithms and protocols  
- Discuss the implementation of S. aureus bacteremia algorithms and protocols

**• Antimicrobial Stewardship (AS) in the Outpatient Setting: Different Strokes for Different Folks**  
*UAN: 0863-0000-19-009-L04-P*  
Milner Staub, MD, Infectious Diseases Fellow, Vanderbilt University Medical Center, Nashville, TN  
**Learning Objectives:**  
- Assess his/her institution’s current situation and resources for AS  
- Have a working knowledge of different potential interventions for outpatient AS and the pros and cons

**• Approach to Patients with Antimicrobial Allergy Labels**  
*UAN: 0863-0000-19-012-L04-P*  
Christine Rukasin, MD, Clinical Fellow, Vanderbilt University Medical Center, Nashville, TN  
**Learning Objectives:**  
- Review the implications of a penicillin allergy label for individual and public health  
- Review the importance of the antibiotic allergy history and risk stratification  
- Understand how current and future tools to assess antimicrobial allergy labels can be integrated into antimicrobial stewardship programs

**• Beyond Antimicrobial Use (AU) Reporting: A Holistic Approach for Measuring Outcomes**  
*UAN: 0863-0000-19-020-L04-P*  
Montgomery Green, PharmD, BCPS, Associate Professor, Belmont University College of Pharmacy, Nashville, TN  
**Learning Objectives:**  
- Identify current recommendations and requirements for collecting and reporting data for an Antimicrobial Stewardship Program (ASP)  
- Differentiate between process and outcome measures  
- Design a process for measuring and reporting outcomes of your ASP by selecting metrics suitable to your program

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ROUNDTABLE SESSIONS
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Session 3 (2:45-3:15pm) & Session 4 (3:20-3:50pm)

- **Impact of an Automatic Time out on Antibiotic Duration in the Neonatal Intensive Care Unit (NICU)**
  
  UAN: 0863-0000-19-014-L04-P
  
  Courtney C. Sutton, PharmD, BCPS, Clinical Pharmacist, Williamson Medical Center, Franklin, TN
  
  **Learning Objectives:**
  - Discuss the importance of a multidisciplinary team to successful implementation an antibiotic time out in the hospital setting
  - Discuss how computerized order entry systems can aid in antibiotic time outs
  - Describe the benefit of an automatic time out on antibiotic use in the neonatal population

- **Nasal Methicillin-Resistant Staphylococcus aureus (MRSA) Polymerase Chain Reaction (PCR): Use in Guiding Antibiotic Therapy for Pneumonia**
  
  UAN: 0863-0000-19-016-L01-P
  
  Michael Wright, PharmD, BCPS, BCCCP, Critical Care Clinical Pharmacy specialist, Williamson Medical Center, Franklin, TN
  
  **Learning Objectives:**
  - Describe nasal PCR negative predictive value for MRSA as a causative organism in pneumonia
  - Illustrate the utility of nasal PCR in de-escalating vancomycin prescribed as empiric therapy for pneumonia
  - Employ a pharmacy driven nasal PCR protocol to aid in the de-escalation of empiric vancomycin therapy

- **Incorporating Trainees into Antimicrobial Stewardship**
  
  UAN: 0863-0000-19-018-L04-P
  
  Jillian Hayes, PharmD, PGY-2 Infectious Diseases Resident, Vanderbilt University Medical Center, Nashville, TN
  
  **Learning Objectives:**
  - Review advantages of incorporating trainees into antimicrobial stewardship workflow
  - Discuss potential strategies to incorporate trainees into antimicrobial stewardship initiatives

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Registration

$99 - General Registration  $75 - Belmont Faculty, Alumni & Preceptors  $50 - Student: No CE Credit

Register online at: http://www.belmont.edu/pharmacy/ce.html

Registration is limited to the first 175 registrants

Refund Policy: If you need to cancel your registration, please notify us as soon as possible. No refunds for cancellations on or after January 25, 2019. Cancellations prior to January 25, 2019, will receive a refund minus a $50 processing fee.

Cancellation Policy: In the rare event the event is cancelled, registrants will receive a full refund.

Commercial Support Provided By:
Allergan, BioFire Diagnostics, Bruker Daltonics, Cepheid, Cumberland Pharmaceuticals, Luminex, Merck.

Pharmacy Attendees: NABP e-profile ID: Your CE credits will be automatically submitted to NABP CPE Monitor upon completion of the online activity evaluation. Pharmacists with questions regarding their NABP e-Profile or CPE Monitor should call 1-847-391-4406 or refer to the FAQ section on the NABP website: www.nabp.net/programs/cpe-monitor/cpe-monitor-service. To receive credit for your participation, you must include your NABP ePID and Month/Day of birth when completing your evaluations online after the event. If incorrect information is provided, Belmont University will attempt to contact you to obtain the correct information.

It is the responsibility of the participant to notify Belmont University of their corrected information. Otherwise, the complete CE will not be accepted by CPE Monitor.

Belmont University is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. These knowledge-based programs for pharmacists will provide up to 5.25 contact hours (.525 CEUs) of live continuing education credit to pharmacists who attend and complete the activity evaluation for each session attended.

Nurse Attendees: Belmont University School of Nursing is an approved provider of continuing nursing education by the Tennessee Nurses Association, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation. This educational activity will provide up to 5.25 hours to participants who attend all sessions and complete an online evaluation form.

Physician Attendees: This Live Series activity, Third Annual Middle Tennessee Antimicrobial Stewardship Symposium, has been reviewed and is acceptable for credit by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity. The total amount of credit eligible is 5.25 hours.

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