

# **PROGRAM**

## **Thirty-Seventh Annual Meeting of the Surgical Infection Society**



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**St. Louis, Missouri  
May 2-5, 2017**

**Learning Objective(s)**-- This activity is designed for **Physicians, Pharmacists and Nurses**. Upon completion of this course, participants will be able to

1. Describe the appropriated diagnostic measures for the diagnosis of Surgical Site Infection
2. Apply the correct treatment paradigm for the treatment of appendicitis
3. Summarize results on the latest research relevant to the diagnosis and treatment of surgical infections
4. Illustrate the correct use of antimicrobials for empiric treatment of sepsis in surgical patients
5. Examine elements of Quality in Surgery
6. Explain the best technique for bowel prep
7. Recognize the current controversies in the diagnosis and treatment of surgical infections
8. Evaluate the use of antimicrobials for a set course in the treatment of surgical infections
9. Discuss recent developments in the study of cellular and molecular mechanisms in the pathogenesis of surgical infections

## ***CONTINUING MEDICAL EDUCATION CREDIT INFORMATION***

### **Accreditation**

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American College of Surgeons and Surgical Infection Society. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

### ***AMA PRA Category 1 Credits™***

The American College of Surgeons designates this live activity for a maximum of **25.00** *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Of the *AMA PRA Category 1 Credits™* listed above, a maximum of **24.25** credits meet the requirements for Self-Assessment.



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### **CREDITS ASSIGNED**

Maximum <i>AMA PRA Category 1 Credits™</i>	25.00	<i>Only MD/DOs are eligible for CME Credit, all other participants receive a Certificate of Attendance</i>
Maximum Self-Assessment Credits	24.25	<i>Self-Assessment Credit can only be awarded to those participants that achieve a minimum score of 75% on the posttest</i>

## Disclosure Information

In accordance with the ACCME Accreditation Criteria, the American College of Surgeons, as the accredited provider of this activity, must ensure that anyone in a position to control the content of the educational activity has disclosed all relevant financial relationships with any commercial interest. Therefore, it is mandatory that both the program planning committee and speakers complete disclosure forms. Members of the program committee were required to disclose **all** financial relationships and speakers were required to disclose any financial relationship **as it pertains to the content of the presentations**. The ACCME defines a 'commercial interest' as "any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients". It does not consider providers of clinical service directly to patients to be commercial interests. The ACCME considers "relevant" financial relationships as financial transactions (in any amount) that may create a conflict of interest and occur within the 12 months preceding the time that the individual is being asked to assume a role controlling content of the educational activity.

ACS is also required, through our joint providership partners, to manage any reported conflict and eliminate the potential for bias during the activity. All program committee members and speakers were contacted and the conflicts listed below have been managed to our satisfaction. However, if you perceive a bias during a session, please report the circumstances on the session evaluation form.

**Please note we have advised the speakers that it is their responsibility to disclose at the start of their presentation if they will be describing the use of a device, product, or drug that is not FDA approved or the off-label use of an approved device, product, or drug or unapproved usage.**

The requirement for disclosure is not intended to imply any impropriety of such relationships, but simply to identify such relationships through full disclosure and to allow the audience to form its own judgments regarding the presentation.

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SURGICAL INFECTION SOCIETY THIRTY-SEVENTH ANNUAL MEETING

St. Louis, Missouri, May 2-5, 2017

Tuesday, May 2, 2017

Anytime	Committee Meetings	Hawthorn/Ballroom C
12:00-18:00	Registration	Boardroom
13:00-14:00	Executive Council	Laclede Room B
14:00-18:00	Council Meeting	Laclede Room B
18:00-18:30	Nominating Committee	By Phone
19:00-21:30	Presidential Dinner ( <i>By invitation</i> )	Missouri Botanical Garden

Wednesday, May 3, 2017

06:30-07:30	Breakfast	Ballroom C
07:30-12:15	<b>SURGICAL INFECTION UPDATE SYMPOSIUM I</b> <i>Moderators: Jeffrey Claridge, MD and Laura Moore, MD</i>	Ballroom A-B

**Basic Science and Discovery of Sepsis**

07:30-07:55	Physiologic changes in sepsis at the cellular level (Lyle Moldawer, MD, PhD)
07:55-08:20	Update on Mediators and Receptors (Timothy Billiar, MD)
08:20-08:45	Various strengths and weaknesses with Animal Models of Sepsis (Matt Rosengart, MD)
08:45-09:00	Q and A

**Clinical Updates in Sepsis**

09:00-09:25	Guideline/Definitions Changes – Rationale (Lena Napolitano, MD)
09:25-09:50	Sepsis Screening: What tools are available for early detection (Laura Moore, MD)
09:50-10:15	Update on recent trials including EGDT, recent innovations in treatment (Jill Cherry, MD)
10:15-10:40	Costs and Consequences (Nicholas Namias, MD, MBA)
10:40-11:05	SIS IAI Guideline (John Mazuski, MD, PhD)
11:05-11:25	Diagnosing sepsis in burn patients (Marc Jeschke, MD)
11:25-11:45	Sepsis in Pediatric Populations (Kevin Mollen, MD)
11:45-12:00	Q and A

12:15-13:30	<b>LUNCHEON SYMPOSIUM</b> <i>(Industry-sponsored; not part of scientific program)</i>	Ballroom C
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13:30-17:00	<b>SESSION I Top Plenary Papers</b> <b>The Art and Science of Surgical Infections</b> (Papers 1-10) (10-minute presentation / 10-minute discussion) <i>Moderators: John E. Mazuski, MD, PhD and Kamal Itani, MD, MBA</i>	Ballroom A-B
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**O1.** Biological Analysis and Therapeutic Application of a De Novo Synthesized Polyphosphorylated Triblock Polymer ABA-PEG20-Pi20 to Prevent Anastomotic Leak. Sanjiv Hyoju, presenting. Radboud University Medical Center, Nijmegen, Netherlands. *Discussant: Timothy Billiar, MD*

**O2.** Fecal Microbiota Transplantation Rescues the Gut Microbiome and Improves Symptoms in Pediatric Inflammatory Bowel Disease. Andrew Yeh (Resident), presenting. University of Pittsburgh. *Discussant: John Alverdy, MD*

**O3.** FER Electroporation-mediated Gene Delivery Enhances Immune Response and Improves Survival in Murine Model Gram-Negative Pneumonia. David Machado-Aranda (New Member), presenting. University of Michigan. *Discussant: Michaela West, MD, PhD*

**O4.** Biomarker Evidence to Support Persistent Inflammation Immunosuppression and Catabolism Syndrome (PICS) in Surgical Patients with Chronic Critical Illness Following Sepsis. Julie Stortz (Resident), presenting. University of Florida. *Discussant: Ori Rotstein, MD*

**O5.** Microbiology of Necrotizing Soft Tissue Infections in Immunocompromised Patients. Nathan Blecker (Resident), presenting. Brigham and Women's Hospital. *Discussant: Donald Fry, MD*

**15:10-15:20 BREAK – Visit the Exhibits**

**O6.** A Novel Role of TLR9 in Peritoneal B Cell in Regulating Host Defense During Polymicrobial Sepsis. Li Xu, presenting. University of Pittsburgh School of Medicine; Union Hospital, Tongji Medical College, Hua Zhong University of Science and Technology. *Discussant: Gregory Beilman, MD*

**O7.** Recent Antimicrobial Exposure Is Associated with Increased Complications Following Elective Surgery. Christopher Guidry (Resident), presenting. UVA Health System. *Discussant: Philip Barie, MD, MBA*

**O8.** Extrathoracic Trauma Decrements the Pulmonary Antimicrobial Response in a Murine Model of Post-Trauma Pseudomonas Pneumonia. Maya Sorini, presenting. Washington University School of Medicine. *Discussant: Nicholas Namias, MD*

**O9.** Pre-Operative Antibiotics for Facial Fractures: Is More Than One Day Necessary? Brenda Zosa (Resident), presenting. MetroHealth Medical Center. *Discussant: John Mazuski, MD, PhD*

**O10.** Similar Outcomes Despite Wide Variability In Utilization Of Bowel Preparation Before Elective Colon Surgery At Childrens Hospitals. Guillermo Ares (New Member and Resident), presenting. University of Illinois at Chicago, Lurie Children's Hospital. *Discussant: Christopher Gayer, MD, PhD*

**17:00-18:00 SIS Foundation Board Meeting (By Invitation)**

**18:15 Cardinals vs Brewers Game**

**Laclede B**

**Busch Stadium**

**Thursday, May 4, 2017**

**06:30 Breakfast**

**07:00-8:00 BREAKFAST SYMPOSIUM**

*(Industry-sponsored; not part of scientific program)*

**Ballroom C**

**Ballroom C**

**08:00-09:45 SESSION II (Papers 11-17)**

*(8-minute presentation / 7-minute discussion)*

*Moderators: Gregory Beilman, MD and Kevin Mollen, MD*

**Ballroom A-B**

**O11.** PCR-Electrospray Ionization Mass Spectrometry in Identifying Microbial Infections in Burn Wounds. Sandeep Kathju, presenting. University of Pittsburgh. *Discussant: Tina Palmieri, MD*

**O12.** Fungal Infection is Associated with a Three-fold Increase in Mortality in Necrotizing Soft Tissue Infection. Christopher Horn (Resident), presenting. Washington University School of Medicine. *Discussant: George Debusk, MD*

**O13.** Very Early (Prehospital) Antibiotics and Fluids in the Treatment of Sepsis: A Murine Trial. Anthony Lewis (Resident), presenting. University of Pittsburgh. *Discussant: Marc Jeschke, MD*

**O14.** Bacterial Burden in Critically Injured Ventilated Patients: Does Burden Define Pneumonia. Andrew Hopper (New Member), presenting. Vanderbilt University Medical Center. *Discussant: Robert Sawyer, MD*

**O15.** The Adipose Tissue: a Neglected Pro-Inflammatory Reservoir during Hypermetabolic and Septic States. Abdikarim Abdullahi (New Member and Resident), presenting. University of Toronto, Sunnybrook Research Institute. *Discussant: Fredric Pieracci, MD*

**O16.** Use of Crowdsourcing to Triage Surgical Site Infections. Heather Evans, presenting. University of Washington. *Discussant: Pamela A. Lipsett, MD*

**O17.** Are Antibiotics Directed Against MRSA Necessary in Patients with Negative MRSA Nasal Screening Swabs? Sara Buckman (New Member), presenting. Washington University School of Medicine. *Discussant: Stephanie Bonne, MD*

**09:45-10:00 BREAK - Visit the Exhibits**

**10:00-11:00 William A. Altemeier Memorial Lecture**

**Ballroom A-B**

**“The Times of Our Lives”**

**Timothy G. Buchman, MD, PhD**

Professor of Surgery, Department of Surgery, Emory University School of Medicine

Founding Director, Emory Center for Critical Care, Woodruff Health Sciences Center, Emory University

Professor of Anesthesiology, Emory University School of Medicine

Director, Emory Critical Care Center, Emory University School of Medicine

Chief, Critical Care Service, Emory Healthcare

**11:00-12:00 Surgical Infection Society Presidential Address**

**Ballroom A-B**

**“Using Research to Improve Clinical Care. The VA Advantage and a Career Journey.”**

**Kamal M.F. Itani, MD, MBA**

Professor of Surgery

VA Boston Healthcare System

**12:00-13:15 LUNCHEON SYMPOSIUM II**

**Ballroom C**

*(Industry-sponsored; not part of scientific program)*

**13:30-15:00 SESSION III (Papers 18-24)**

**Ballroom A-B**

(8 minute presentation / 7 minute discussion)

*Moderators: Steven Wolf, MD and Marc Jeschke, MD*

**O18.** Same-Hospital Readmission Rate is Not Reliable for Measuring Postoperative Infection Incidence. Rishi Rattan (New Member), presenting. University of Miami Miller School of Medicine. *Discussant: Nicole Stassen, MD*

**O19.** The Non-Thyroidal Illness Syndrome is Associated with Poor Postoperative Outcomes in Enterocutaneous Fistula. Huajian Ren (New Member), presenting. Jinling Hospital. *Discussant: Donald Fry, MD*

**O20.** Utility of Sepsis Scores for Identifying Infection in Surgical Intensive Care Unit Patients. Elizabeth Krebs (Resident), presenting. UVA Health System. *Discussant: Laura Moore, MD*

**O21.** A Pilot Randomized Controlled Trial of Video Education Versus Skill Demonstration: Which is More Effective in Teaching Sterile Surgical Technique? Stephanie N. Pilioci, presenting. University of Alberta. *Discussant: Sandy Swoboda, RN, MSN*

**O22.** Lactobacillus murinus Protects Against Necrotizing Enterocolitis Caused by Cronobacter muytjensii. Mubina Isani (Resident), presenting. Children's Hospital of Los Angeles. *Discussant: Brian Eliceiri, PhD*

**O23.** Blue Light Reduces Neutrophil Influx in Acute Lung Injury. John Griepentrog (Resident and New Member), presenting. University of Pittsburgh. *Discussant: Jeffrey Shupp, MD*

~~**O24.** Elevated Levels of Plasma Mitochondrial DNA Are Associated with Clinical Outcome in Intra-abdominal Infections Caused by Severe Trauma. Qiong-yuan Hu Department of Surgery, Jinling Hospital. *Discussant: Nicole Stassen (unable to present d/t Visa problems)*~~

**15:00-15:15 BREAK - Visit the Exhibits**

**15:15-17:15 SESSION IV (Papers 25-32)**

(8-minute presentation / 7-minute discussion)

*Moderators: Daithi Heffernan, MD and George Debusk, MD*

**Ballroom A-B**

**O25.** The role of PD-1 in sepsis induced alterations in splenic PD-L1 and PD-L2 expression. Daithi Heffernan, presenting. Rhode Island Hospital. *Discussant: Brian Zuckerbraun, MD*

**O26.** The Septic Spleen: Impacts of Programmed Cell Death Receptor-1 (PD-1) Gene Expression in Murine Neonatal and Adult Polymicrobial Infection. Eleanor Fallon (Resident), presenting. Brown University/Rhode Island Hospital. *Discussant: Jared Huston, MD*

**O27.** Antibiotic Management of Surgical Patients with Peritonitis at a Tertiary Referral Hospital in Rwanda. Jennifer Rickard (New Member), presenting. University of Minnesota. *Discussant: Michele Loor, MD*

**O28.** CaMKIV Regulates Mitochondrial Function During Sepsis. Xianghong Zhang, presenting. University of Pittsburgh. *Discussant: Kevin Mollen, MD*

**O29.** COX-2 upregulation following LPS injection is attenuated in EP2 receptor knockout mice. Jamie Golden (Resident), presenting. Children's Hospital Los Angeles. *Discussant: Catherine Hunter, MD*

**O30.** Establishment of a Specialty Ventral Hernia Clinic Decreases Surgical Site Infections. Deepa Cherla (New Member and Resident), presenting. University of Texas Health Science Center at Houston. *Discussant: Phillip Chang, MD*

**O31.** Mitochondrial Antiviral Signaling (MAVS) Protein is a Novel Anti-Inflammatory Mediator in Liver Ischemia/Reperfusion. Chung Ho Leung, presenting. St. Michael's Hospital. *Discussant: Matthew Rosengart, MD*

**O32.** Early Results of a Preoperative Decontamination Protocol to Reduce Surgical Site Infections in Patients Undergoing Elective Oncologic Resections. Elaine Vo, presenting. Baylor College of Medicine  
*Discussant: Hugo Bonatti, MD*

**17:15-18:15** Annual Business Meeting (*Members only*)  
**18:15-19:00** *Surgical Infections* Editorial Reception (*By Invitation*)  
**19:00-21:00** Welcome Reception

**Ballroom A-B**  
**Mississippi Room**  
**Poolside 8<sup>th</sup> Floor**

**Friday, May 5, 2017**

**06:30-07:30** Executive Council Meeting (*By invitation*) **Laclede Room B**  
**06:30-07:30** Breakfast Session: Case Report Competition **Gateway A**  
*Moderator: Donald Fry, MD, Editor Surgical Infections and Surgical Infections Case Report Journal*

C1. Capnocytophaga Meningitis, Bacteremia and Septic Shock Following a Dog Bite in an Asplenic Patient. Sara E Parli, University of Kentucky HealthCare/University of Kentucky College of Pharmacy

C2. Coccidioides immitis Causing Septic Arthritis of an Ankle in the Setting of HIV. Kristopher McCall (Resident), OUHSC

C3. Cutaneous Mucormycosis in a Chronic Immunocompromised State. Pooja Patel, St. Joseph's Hospital and Medical Center

C4. Lower Extremity Necrotizing Soft Tissue Infection Following Foreign Body Ingestion. Christin Tu, St. Louis University School of Medicine

C5. Infected Urachal Cyst: An Unusual Cause of Small Bowel Obstruction in a Two-Year-Old. Andrew Wang, Naval Medical Center San Diego

C6. Perforated Duodenal Diverticulitis Causing Pseudoaneurysm of the Pancreaticoduodenal Artery. Hugo Bonatti, University of Maryland School of Medicine

C7. Metastatic Gastrointestinal Stromal Tumor Presenting as Acute Appendicitis. Dabanjan Bandyopadhyay, University of Maryland Community Medical Group

C8. Necrotizing Myositis: Operative Technique and Decision to Sacrifice Limb in Order to Save Life. Jess Caine, Northeast Regional Medical Center

C9. A Unique Communication/Data Tracking Tool for Surgical Site Infection in the Community. Corrine McIsaac, Health Outcomes Worldwide



C10. A New Bacteria, *Lactobacillus Acidophilus*, Causing Necrotizing Fasciitis: A Case Report and Review of The Literature. Jennifer Hubbard

C11. Precipitant or Treatment: AGEP vs Wound Infection. Pooja Patel, St. Joseph's Hospital and Medical Center

**07:30-08:45 UPDATE SYMPOSIUM II Ballroom A-B**  
**“Antibiotic Stewardship”**

07:30-07:50 Responsible Antibiotic Prophylaxis (Lilian Kao, MD)

07:50-08:10 Responsible Antibiotic Administration in the Post-operative Period (Jeffrey Tessier, MD)

08:10-08:30 Antibiotic Restriction and Empiric Treatment of Critically Ill and Injured Patients  
(Pamela Lipsett, MD)

08:30-08:45 Q and A

**08:45-10:15 UPDATE SYMPOSIUM III Ballroom A-B**  
**Pro-Con Debates**  
*Moderators: Dante Yeh, MD and Peter Kim, MD*

**DEBATE: Stop-It NSTI?**

Robert Sawyer, MD vs. Kamal Itani, MD, MBA

**DEBATE: Fever in the ICU - Early Antibiotics or Wait For It?**

Jeffrey Johnson, MD vs. Catherine Hunter, MD

**DEBATE 3: Anti-fungal Treatment for Peptic Ulcer Perforation**

Laura Kreiner, MD vs. Vanessa Ho, MD

**DEBATE 4: Acute Diverticulitis - Treat with Antibiotics or Not?**

Brian Zuckerbraun, MD vs. Laura Moore, MD

**10:15-10:30 BREAK - Visit the Exhibits**

**10:30-12:15 SESSION V (Papers 33-39) Ballroom A-B**  
(8-minute presentation / 7-minute discussion)  
*Moderators: Vanessa Ho, MD and Philip Barie, MD, MBA*

**O33.** Reduced Macrocyclic Migration in Oncostatin M Receptor Deficient Mice Provides Beneficial Effects Against Sepsis. Saad Salim, presenting. University of Alberta. *Discussant: Tina Mele, MD*

**O34.** Consequences of Implementing a “Better” Blood Culture System. Sarah Posillico (Resident), presenting. MetroHealth Medical Center. *Discussant: Jeffrey Tessier, MD*

**O35.** Intra-Abdominal Infection Cooperates with Intra-Abdominal Hypertension Aggravate the Damage of Intestinal Mucosal Barrier in the Rabbit Model. Yuan Li, presenting. Jinling Hospital, Medical School of Nanjing University. *Discussant: Lorrie Langdale, MD*

**O36.** Relationship of Measured Vital Capacity and Pneumonia Following Traumatic Cervical Spinal Cord Injury. Kaitlin Ritter (Resident), presenting. MetroHealth Medical Center. *Discussant: Patrick O’Neill, PhD, MD*

**O37.** Comparison of various sepsis clinical criteria for burn patients. Marc Jeschke, presenting. Sunnybrook Research Institute. *Discussant: Steven Wolf, MD*

**O38.** Primary Closure after Surgical Drainage of Complicated Intra-abdominal Infections Does Not Require a Longer Regimen of Antibiotic Therapy. Caleb J. Mentzer (Resident), presenting. University of Miami. *Discussant: John Davis, MD*

**O39.** Development of a Surgical Infection Surveillance Program at a Tertiary Hospital In Ethiopia: Lessons Learned From Two Follow Up Strategies In Separate Operating Theater Environments. Jarred Forrester (Resident), presenting. *Discussant: Joseph Solomkin, MD*

**12:15-12:30 FELLOWSHIP AWARD RECIPIENT PRESENTATIONS** **Ballroom A-B**  
*Moderators: Philip S. Barie, MD, MBA and Kevin P. Mollen, MD*

**SIS Foundation Basic or Translational Research Training Fellowship-2016**

Elaine Vo, MD

Baylor College of Medicine

**SIS Foundation Clinical Research Training Fellowship-2016**

Eleanor Fallon, MD

Brown University/Rhode Island Hospital

**SIS Foundation Junior Faculty Fellowship-2015-2017**

Meihong Deng, PhD

University of Pittsburgh

**12:30-13:15 LUNCHEON SYMPOSIUM III** **Ballroom C**

**13:30-15:00 SESSION VI - Focused Paper Presentations** (Papers 40-45)  
(8-minute presentation / 7-minute discussion)  
*Moderators: Robert Sawyer, MD and Evan Nadler, MD*

**O40.** Is Less More? Undetectable Estradiol Level a Predictor of Survival in the Critically Ill and Injured. Nathan Elwood (Resident), presenting. University of Virginia. *Discussant: Lena Napolitano, MD*

**O41.** Exosomes in Post-Shock Mesenteric Lymph Act as Danger Signals Triggering the Systemic Inflammatory Response via Toll-like Receptor 4. Mitsuaki Kojima, presenting. University of California San Diego. *Discussant: Kaysie Banton, MD*

**O42.** An Evidence-Based Care Protocol Decreases Length of Stay and Cost in Pediatric Appendicitis. Vei Shaun Siow (Resident), presenting. University of Pittsburgh Medical Center. *Discussant: Evan Nadler, MD*

**O43.** Nonoperative Management of Appendicitis is more Frequent in Elderly Patients with Comorbidities. Isaiah Turnbull, presenting. Washington University in Saint Louis. *Discussant: Joseph Golob, MD*

**O44.** Does isolation of Enterococcus affect outcomes in intraabdominal infections? James Sanders, presenting. JPS Health Network. *Discussant: Jeffrey Claridge, MD*

**O45.** Surgery versus Antibiotics for Uncomplicated Appendicitis: What Would a Medical Student Want? Alison Althans, presenting. Case Western Reserve University School of Medicine. *Discussant: Heather Evans, MD*

**15:00-15:30 BREAK - Visit the Exhibits**

**15:30-17:30 Oral ePOSTER SESSION**

**Gateway Rooms A-B and Laclede**

**Room 1 Session 1 Antibiotics (P1-P8)**

*Moderators: E. Patchen Dellinger, MD and Philip Barie, MD, MBA*

1. Antibiotic Prophylaxis for Endoscopic Endonasal Skull Base Surgery: The Loyola Experience. Stephen Johans (Resident), Loyola University Medical Center. *Discussant: Vanessa Ho, MD*
2. Assessment of a New Antibiotic Protocol in the Surgical Intensive Care Unit. Jonathan Imran (Resident), University of Texas Southwestern Medical Center. *Discussant: Isaiah Turnball, MD*
3. Antimicrobial Activity of Ceftolozane/Tazobactam When Tested against Gram-negative Isolates from Intra-abdominal Infections in United States (US) Medical Centers (2013-2016). Dee Shortridge, JMI Laboratories. *Discussant: Jill Cherry, MD*
4. Broad Spectrum Antibiotics are Required to Empirically Cover Acute Pilonidal Abscesses. Marlon Torres, Washington University School of Medicine. *Discussant: Gregory Beilman, MD*
5. Antimicrobial Activity of Ceftazidime-avibactam When Tested against Aerobic Gram-negative Organisms Isolated from Intra-abdominal Infections in United States (US) Hospitals (2014-2016). Dee Shortridge, JMI Laboratories. *Discussant: Philip S. Barie, MD, MBA*
6. What is the best choice of empiric antibiotic for buttock abscesses requiring urgent operative intervention? Eden Nohra (Resident), Washington University in St. Louis. *Discussant: Addison May, MD*
7. Urinary Tract Infection Sensitivities in an Intensive Care Setting: A Potential for Novel Antibiotic Treatment. Victor Vakayil, University of Minnesota. *Discussant: E. Patchen Dellinger, MD*
8. Amicidins: Novel synthetic biologics for prevention and treatment of wound infections in trauma and surgery. Joseph Solomkin, Amicrobe, Inc. *Discussant: Mike Liang, MD*

**Room 1 Session 2 Basic Science (P9-P15)**

*Moderators: Meihong Deng, PhD and Christopher Gayer, MD, PhD*

9. Combination Therapeutic Approach for Muscle Function Improvement in Injured Mice. Rohan Kulangara (New Member), UT Southwestern. *Discussant: Christopher Gayer, MD, PhD*
10. In Vitro Activity of Imipenem-Relebactam (MK-7655) against gram-negative ESKAPE pathogens from Intra-abdominal Infections in the United States - SMART 2015-2016. Sam Bouchillon. *Discussant: Meihong Deng, PhD*
11. CHR FAM7A Expression Implies a Uniquely Human Mechanism Gauging Tissue Injury Response. Theresa Chan (Resident), University of California San Diego. *Discussant:*
12. Sepsis and the NLRP3 Inflammasome: Comparing Temporal Trajectories of Acute Phase Mediators in Adult Burn Patients. Mile Stanojic (Resident and New Member), Sunnybrook Research Institute. *Discussant: Steven Wolf, MD*

13. Identifying the source of hyperactivity in the hGR-S1(-349) human glucocorticoid receptor isoform. Tajia Green, Shriners Hospitals for Children-Northern California. *Discussant: Marc Jeschke, MD*
14. Growth, Colonization, and Species Type of Microbes Identified on Robots in the Operating Room Before and After Cleaning and Between Cases. Melanie Sandoval, University of Colorado Hospital. *Discussant: Carolyn Twomey, RN*
15. Kill Kinetics and Re-Growth pattern of Escherichia coli following exposure of different concentrations of four Betalactam antibiotics. Hugo Bonatti, presenting. *Discussant: Daniel D. Yeh, MD*

### **Room 2 Session 1 Clinical Infections (P16-P26)**

*Moderators: Patrick O'Neill, PhD, MD and Joseph Golob, MD*

16. The Emergence of Bronchopulmonary Aspergillosis: A Commonality Exist Among Us. Morgan Lane (Resident), Grand Strand Medical Center/University of South Carolina. *Discussant: Howard Belzberg, MD*
17. Investigation of a C. difficile Outbreak: Is the patient, the environment, antibiotic use or human factors the cause? Sandy Swoboda, John Hopkins. *Discussant: Eleanor Fallon, MD*
18. Hidradenitis Suppurativa: Patient Profile of Emergency Department Admissions Treated by The Acute Care and Emergency Surgery Service at a Tertiary Care Center in the Midwest. Christopher Horn (Resident), Washington University School of Medicine. *Discussant: Kristin Colling, MD*
19. The Role of Ultrasound Guided Inguinal Lymph Node Biopsy in Studying Ongoing HIV Nodal Replication Despite Undetectable Viral Loads. Nora Christensen (New Member Award), University of Minnesota Medical School. *Discussant: Joseph Golob, MD*
20. Mortality from Necrotizing Pancreatitis in the Era of Endoscopic Drainage; An Analysis of 337 Cases. Kristin Colling (Resident), Department of Critical Care and Acute Care Surgery, University of Minnesota Medical Center. *Discussant: Kevin Mollen, MD*
21. Line Salvage in Children with Central Line Associated Bloodstream Infection Caused by Staphylococcus aureus. Rachel Jones, Ann & Robert H Lurie Children's Hospital of Chicago. *Discussant: Mike Liang, MD*
22. Incidence of Necrotizing Soft Tissue Infections Based on an Acute Care Patient Registry. John Kirby (Resident/New Member), Washington University School of Medicine. *Discussant: Nathan Elwood, MD*
23. Obesity is Protective in Necrotizing Soft Tissue Infection. Manuel Castillo-Angeles (Resident), Brigham and Women's Hospital. *Discussant: Patrick O'Neill, PhD, MD*
24. Predictive Factors For Abscess Development After Perforated Pediatric Appendicitis. Catherine Dickinson, Alpert Medical School Brown University. *Discussant: Isaiah Turnbull, MD*
25. Trauma-Induced Fungal Infections: Factors Influencing The Emerging Challenge In The Intensive Care Unit. Georgina Alizo Arruebarrena (Resident), Grand Strand Medical Center/University of South Carolina. *Discussant: Pamela Lipsett, MD*
26. Long-Term Results of a Screening and Immunosuppression Protocol for Polyoma BK Viremia After Renal Transplantation. David Conti, Albany Medical Center. *Discussant: Jeffrey Shupp, MD*

## **Room 2 Session 2 Wounds and SSI (P27-P32)**

*Moderators: Nicholas Namias, MD and John M. Davis, MD*

27. **Locoregional Anesthesia is Associated with Reduced Infectious and Overall Complications in Open Inguinal Hernia Repair.** Zachary Dietch (Resident), University of Virginia. Discussant: Nicholas Namias, MD
28. **Impact of the Timing of Emergency Laparotomy in Penetrating Trauma Patients on the Incidence of Superficial, Deep, and Organ/Space Surgical Site Infections: A Propensity Matched Analysis.** Patricia Greenberg, Jersey Shore University Medical Center. Discussant: Fred Pieracci, MD
29. **Post Caesarean Section Surgical Site Infection Surveillance Using an Online Database and Mobile Phone Technology †** Corrine McIsaac, HOW. Discussant: Heather Evans, MD
30. **Quality of Reporting on Compliance with Evidence-Based Measures to Prevent Surgical Site Infections in the Morbidity and Mortality Review.** Krislynn Mueck (Resident), University of Texas Health Science Center at Houston. Discussant: Jyotirmay Sharma, MD
31. **Wound Classification Accuracy: Do Residents Know How to Classify?** Jessica Goodwin (Resident), JPS Health Network. Discussant: Eden Nohra, MD
32. **Patient Compliance with Surgical Site Infection Protocol Increases with the Implementation of Strategies to Enhance Patient Engagement and Access to Care.** Melanie Sandoval (New Member). Discussant: Donald Fry, MD

## **Room 3 Session 1 Prevention (P33-P42)**

*Moderators: Chadi T. Abouassaly, MD and Jose Diaz, Jr. MD*

33. **Safety and Tolerability of Laser Hair Depilation in Pilonidal Disease: A Pilot Study.** Joseph Lopez (Resident), Nationwide Children's Hospital. Discussant: Deepa Cherla, MD
34. **Early Prediction and Influence of Secondary Bloodstream Infections in Patients with Complicated Intra-abdominal Infections.** Jinjian Huang (New Member), Jinling Hospital, Southeast University. Discussant: Kaushik Mukherjee, MD
35. **Three Port Cholecystectomy For Acute Cholecystitis: Safe And Feasible?** Hugo Bonatti, University of Maryland Shore Health. Discussant: Jose Diaz, Jr., MD
36. **Safety, Satisfaction, and Efficacy of Resistive Polymer versus Forced Air Warming in Total Joint Surgery.** Melanie Sandoval (New Member), University of Denver. Discussant: Chadi T. Abouassaly, MD
37. **Airborne Bacteria In The Operating Room Can Be Reduced By HEPA/Ultraviolet Air Recirculation System (HUAIRS).** David Kirshman, Aerobiotix, Inc., West Carrollton, Ohio. Discussant: Christopher Watson, MD
38. **Surgical Skin Preparation of the Open Abdomen, a Descriptive Study.** Alicia Alterio (Resident), Brown University. Discussant: John Mazuski, MD, PhD

- 39. Chlorhexidine Gluconate Solution and Patient Reminders Decrease Infections and Minimize Costs among Total Arthroplasty Patients. Melanie Sandoval (New Member), University of Denver. *Discussant: Lena Napolitano, MD*
- 40. Trauma/Critical Care Surgeons are More Likely to See and Treat Perirectal Infections in the Operating Room. Husayn Ladhani (Resident), MetroHealth Medical Center. *Discussant: Jeffrey Johnson, MD*
- 41. Simple as checking the box? Reducing catheter-associated urinary tract infections in a neurotrauma ICU. Scott Fligor, Virginia Tech Carilion School of Medicine. *Discussant: Laura Kreiner, MD*
- 42. A Comparison of Self-Reported Conflict of Interest in the Surgical Infections Literature to the Centers of Medicare and Medicaid Services Open Payments Database. Deepa Cherla (New Member and Resident Award), University of Texas Health Science Center at Houston. *Discussant: Manuel Lorenzo, MD*

**Room 3 Session 2 Trauma/Abdomen (P43-P51)**

*Moderators: Nicole Stassen, MD and David Blake, MD*

- 43. Options for Source Control in Patients with Leak after Laparoscopic Sleeve Gastrectomy. Dena Arumugam, Winthrop University Hospital. *Discussant: Fredric Pieracci, MD*
- 44. Is Rapid Source Control Laparotomy Efficacious? A cohort analysis. James Vogler (Resident), Grand Strand Medical Center. *Discussant: Nicole Stassen, MD*
- 45. Improving safety in laparoscopic sigmoid colectomy for perforated diverticulitis: use of lighted ureteral stents and indocyanine green to determine colonic perfusion. Hugo Bonatti, University of Maryland Shore Health. *Discussant: David Blake, MD*
- 46. Propofol Use is Associated with Increased Risk of PNA in Patients with Chest Trauma. Krista Haines (New Member), University of Wisconsin. *Discussant: Sara Parli, MD*
- 47. Traumatic Injury is Associated with a 3-fold Increase in the Frequency of the Diagnosis of Ventilator Associated Pneumonia (VAP). Christopher Horn (Resident), Saint Louis University School of Medicine. *Discussant: Jeffrey Claridge, MD*
- 48. Raging Hormones: Inflammatory Differences in Young and Geriatric Trauma Patients. Puja M. Shah (Resident), University of Virginia. *Discussant: Lauren Moffatt, PhD*
- 49. Evaluating the Effects of Blood Alcohol Concentration on the Rates of Pneumonia & Systemic Sepsis Complications in Burn Patient. Patricia Greenberg, Presenting. Jersey Shore University Medical Center. *Discussant: Tina Palmieri, MD*
- 50. The status and prognostic significance of serum electrolytes in the patients with intestinal fistula. Guanwei Li, Nanjing General Hospital of Nanjing, presenting. *Discussant: Rishi Rattan, MD*

**19:00-20:00 Meet the New Member Reception**  
**20:00-22:00 Awards Banquet**  
**22:00 ADJOURNMENT**

**Pre-Function A and B**  
**Ballroom C**