PROGRAM

Forty First Annual Meeting of the Surgical Infection Society

Dallas, TX
April 23-26, 2022
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. Summarize results on the latest research relevant to the diagnosis and treatment of surgical infections
3. Illustrate the correct use of antimicrobials for empiric treatment of sepsis in surgical patients
4. Examine elements of Quality in Surgery
5. Recognize the current controversies in the diagnosis and treatment of surgical infections
6. Evaluate the use of antimicrobials for a set course in the treatment of surgical infections
7. Discuss recent developments in the study of cellular and molecular mechanisms in the pathogenesis of surgical infections

DISCLOSURE INFORMATION

In accordance with the ACCME Accreditation Criteria, the American College of Surgeons must ensure that anyone in a position to control the content of the educational activity (planners and speakers/authors/discussants/moderators) has disclosed all financial relationships with any commercial interest (termed by the ACCME as “ineligible companies”, defined below) held in the last 24 months (see below for definitions). Please note that first authors were required to collect and submit disclosure information on behalf all other authors/contributors, if applicable.

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<tr>
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<th>The ACCME defines an “ineligible company” as any entity producing, marketing, re-selling, or distributing health care goods or services used on or consumed by patients. Providers of clinical services directly to patients are NOT included in this definition.</th>
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<td>Financial Relationships:</td>
<td>Relationships in which the individual benefits by receiving a salary, royalty, intellectual property rights, consulting fee, honoraria, ownership interest (e.g., stocks, stock options or other ownership interest, excluding diversified mutual funds), or other financial benefit. Financial benefits are usually associated with roles such as employment, management position, independent contractor (including contracted research), consulting,</td>
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speaking and teaching, membership on advisory committees or review panels, board membership, and other activities from which remuneration is received, or expected. ACCME considers relationships of the person involved in the CME activity to include financial relationships of a spouse or partner.

**Conflict of Interest:** Circumstances create a conflict of interest when an individual has an opportunity to affect CME content about products or services of an ineligible company with which he/she has a financial relationship.

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*Please see the insert to this program for the complete disclosure list.

**Commercial Promotion Acknowledgement**
The Surgical Infection Society wishes to recognize and thank the following companies for their commercial promotion towards this educational activity.

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  Crely

- **Exhibitors**
  AbbVie
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<tr>
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<th>Event</th>
<th>Location</th>
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<tr>
<td>12:00-6:00</td>
<td>Registration</td>
<td>Ballroom Promenade</td>
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<tr>
<td>12:00-4:00</td>
<td>Potential Committee Meetings</td>
<td>Cottonwood</td>
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<tr>
<td>4:00-6:00</td>
<td>Council Meeting #1</td>
<td>Fairway Ranch</td>
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<td>Nominating Committee met by Phone 3/17</td>
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<tr>
<td>7:00-9:00</td>
<td>President’s Dinner <em>(By Invitation)</em></td>
<td>Pavilion</td>
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**Sunday, April 24, 2022**

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:00-9:00</td>
<td>Breakfast Buffet</td>
<td>Ballroom AB</td>
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<td>8:00-9:00</td>
<td>Committee Meetings</td>
<td>Ballroom AB</td>
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<td>Audit</td>
<td>Tina L. Palmieri, MD</td>
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<tr>
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<td>Awards</td>
<td>Laura Kreiner, MD - Jeffrey W. Shupp, MD</td>
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<td>Bylaws &amp; Special Projects</td>
<td>Chadi T. Abouassaly, MD</td>
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<td>Diversity &amp; Inclusion</td>
<td>Vanessa P. Ho, MD</td>
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<td>Fellowship</td>
<td>Lillian S. Kao, MD</td>
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<td>Global</td>
<td>Jennifer L. Rickard, MD</td>
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<td>Informatics</td>
<td>Haytham Kaafarani, MD</td>
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<td>Membership</td>
<td>Jeffrey L. Johnson, MD - Manuel Lorenzo, MD,</td>
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<td>Program</td>
<td>Heather L. Evans, MD - Daithi S. Heffernan, MD</td>
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<td></td>
<td>Scientific Studies</td>
<td>Sebastian D. Schubl, MD</td>
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<td>Strategic Planning</td>
<td>Mayur Narayan, MD</td>
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<td>Therapeutics &amp; Guidelines</td>
<td>Jared M. Huston, MD</td>
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<tr>
<td>9:15-9:30</td>
<td>Welcome to the Meeting</td>
<td>Ballroom CD</td>
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<td><em>Jeffrey Claridge, MD and Heather Evans, MD</em></td>
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<tr>
<td>9:30-10:30</td>
<td>Surgical Infection Society Presidential Address</td>
<td>Ballroom CD</td>
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<td></td>
<td>“Leading Change: How History Influences Navigation”</td>
<td>David P. Blake, MD, MPH, FACS, DMCC,</td>
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<td>INOVA Medical Center</td>
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<td>10:30-10:45</td>
<td>BREAK-Visit the Exhibits</td>
<td>Ballroom Foyer</td>
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<td>10:45-12:30</td>
<td>Plenary Session I</td>
<td>Ballroom CD</td>
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<td></td>
<td>The Art and Science of Surgical Infections <em>(Papers 1-5)</em></td>
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<td><em>Moderators: Jeffrey Claridge, MD and David Blake, MD</em></td>
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<td><em>All Papers in this session are Susman Award Eligible</em></td>
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**O1.** Gut microbiota metabolites regulate host-pathogen interactions by altering pathogen virulence and host AhR signaling. Jason Xiao presenting. University of Chicago. *Discussant: William G. Cheadle, MD*

**O2.** Interhospital Transfer is an Independent Risk Factor for Hospital-acquired Infection. Camden Gardner presenting. Henry Ford Health System. *Discussant: Michaela A. West, MD, PhD*

**O4.** Non-operative management of Appendicitis: Variations in Racial and Social disparities across the United States. Carmen Fahlen presenting. Rhode Island Hospital. *Discussant: Philip S. Barie, MD*

**O5.** Teasing pathologic from benign pneumatosis intestinalis. Julia Song presenting. Harvard Medical School. *Discussant: Kamal M.F. Itani, MD*

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<tr>
<td>12:30-1:30</td>
<td>Luncheon Symposium I: La Jolla (Industry-sponsored; not part of scientific program)</td>
<td>Ballroom AB</td>
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<td>1:30-1:50</td>
<td>Multi-Centered Trials Initiative</td>
<td>Ballroom CD</td>
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<td>1:50-2:20</td>
<td>Pfizer Global Grant Update</td>
<td>Ballroom CD</td>
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<td>2:20-2:30</td>
<td>Discussion</td>
<td>Ballroom Foyer</td>
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<td>2:30-2:45</td>
<td>BREAK-Visit the Exhibits</td>
<td>Ballroom Foyer</td>
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<td>2:45-4:30</td>
<td>Plenary Session II</td>
<td>Ballroom CD</td>
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<td></td>
<td>The Art and Science of Surgical Infections (Papers 6-10)</td>
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<td>Moderators: Gregory J. Beilman, MD and Michaela A. West, MD, PhD</td>
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<td>All Papers in this session are Susman Award Eligible</td>
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**O6.** Geriatric Trauma patients admitted for a fall are more likely to have a Community Acquired UTI. Leonardo Diaz presenting. (Resident Award) Washington University School of Medicine. *Discussant: Vanessa P. Ho, MD*

**O7.** Impact of Race on Outcomes and Management of Necrotizing Soft Tissue Infections. Brittany Fields presenting. (Resident Award) Augusta University Medical Center. *Discussant: Sabrina Sanchez, MD, MPH*

**O8.** De-novo Belatacept therapy is associated with higher levels of BK viremia, lower rates of BK clearance and increased risk of CMV disease after kidney transplant. Gregory Petrossian presenting. Albany Medical Center. *Discussant: Robert G. Sawyer, MD*

**O9.** Burn Wound Microbiome Differences in the Setting of Xenografted vs. Autografted Wounds. Mary Oliver presenting. Medstar Health Research Institute. *Discussant: Nicholas Namias, MD*

**O10.** The Distressed Community Index is not associated with mortality in critically ill patients with sepsis. Chloe Williams presenting. (Resident Award) The Ohio State University Wexner Medical Center. *Discussant: E. Patchen Dellinger, MD*

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<tr>
<td>4:30-5:30</td>
<td>Business Meeting</td>
<td>Ballroom CD</td>
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<td>5:30-6:30</td>
<td>SIS Foundation Board Meeting <em>(By Invitation)</em></td>
<td>Fairway Ranch</td>
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<td>6:30-7:30</td>
<td>Welcome Reception</td>
<td>Poolside</td>
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Monday, April 25, 2022

7:00-8:00  Breakfast Symposium: KCI – Open Abdomen  
(Industry-sponsored; not part of scientific program)  
Speakers: Daithi S. Heffernan, MD, AFRCSI and Jeffrey G. Chipman, MD  
Ballroom AB

8:15-9:15  ID vs Surgeon Symposium  
Moderators: Therese M. Duane, MD and Jeffrey M. Tessier, MD  
Ballroom CD

8:15-8:30  “When ID Needs to Call Surgery” - Carlos J. Rodriguez, DO, MBA, FACS

8:30-8:45  “When Surgery Needs to Call ID” - Reuben J. Arasaratnam, MD

8:45-9:00  “Menage-a-trois: Don't Forget About the ID Pharmacist!!! Why a Threesome is the Way to Go When it Comes to Antimicrobial Stewardship” - James Sanders, PharmD, PhD

9:00-9:15  Panel Discussion

9:15-9:30  BREAK-Visit the Exhibits

9:30-10:45  Scientific Session III  
The Art and Science of Surgical Infections (Papers 11-15)  
Moderators: Jeffrey S. Upperman, MD and Therese M. Duane, MD

O11. Incisional microenvironments and reduction in SSIs in patients treated with a local doxycycline-eluting formulation. Anthony Senagore presenting. PolyPid. Discussant: Laura Kreiner, MD

O12. Factors Associated with Pelvic Infection after PrePeritoneal Pelvic Packing for Unstable Pelvic Fractures. Husayn Ladhani presenting. (Resident Award, Sawyer Award) DenverHealth Medical Center. Discussant: Laura Brown, MD, PhD

O13. A comparison of basolateral versus apical out enteroids as a model for necrotizing enterocolitis. Heather Liebe presenting. (Resident Award) Oklahoma University Health Sciences Center. Discussant: Kevin P. Mollen, MD


11:00-12:00  Altemeier Lecture  
“Surgical Infections – Past, Present and Future”  
Manjari Joshi, MBBS  
University of Maryland, School of Medicine  
R Adams Cowley Shock Trauma Center  
Ballroom CD

12:00-1:00  SIS Luncheon Symposium II: PDI HealthCare  
(Industry-sponsored; not part of scientific program)  
Ballroom AB
1:00-2:00  Fellowship Award Recipient Presentations  
Ballroom CD  
*Moderators: Philip S. Barie, MD, MBA and Laura Kreiner, MD*

**Innovation Award 2019**  
Lillian S. Kao, MD  
LBJ General Hospital

**SIS Foundation Junior Faculty Basic Fellowship 2020**  
Jessica Weaver, MD, PhD  
UC San Diego

**SIS Foundation Junior Faculty Clinical Fellowship 2020**  
Christopher A. Guidry, MD  
University of Kansas Medical Center

**COVID-19 Foundation Grant Award**  
Sebastian D. Schubl, MD, FACS  
University of California - Irvine

2:15-3:30  Plenary Session IV  
Ballroom CD  
*The Art and Science of Surgical Infections (Papers 16-20)*  
*Moderators: Kevin P. Mollen, MD and Lillian S. Kao, MD*

**O16.** Towards Proactive Surgical Infection Management: Development and External Validation of an AI-based Prediction Tool. Siri van der Meijden presenting. Healthplus.ai. *Discussant: Heather L. Evans, MD*

**O17.** Activated Collagen Powder Significantly Reduces Surgical Site Infections in Patients Undergoing Elective Surgery. Ryan Nowrouzi presenting. Baylor College of Medicine. *Discussant: Catherine J. Hunter, MD*

**O18.** Burn Wound Location Influences the Composition of Buccal and Wound Bed Swab Microbiomes. Edward J. Kelly presenting. (Resident Award) MedStar Washington Hospital Center. *Discussant: Marc G. Jeschke, MD, PhD*


**O20.** Is there a community microbial community? A comparison of pathogens between 2 hospital SICUs in a single city. Mikayla Moody presenting. Western Michigan University. *Discussant: Allison Berndtson, MD*

3:30-5:00  Update C. Diff 2022  
Ballroom CD  
*Moderator: Jared M. Huston, MD*

**3:30-3:50**  Colorectal Society Guideline (Non-Surgical Management): Kristin P. Colling, MD

**3:50-4:10**  Surgical Management of *C. Diff* the SIS Guideline: Joseph D. Forrester, MD

**4:10-4:30**  State of the Art of Antibiotic Treatment: Robert G. Sawyer, MD

**4:30-4:50**  Innovations in Therapy: Microbiome: John C. Alverdy, MD

**4:50-5:00**  Panel Discussion and Questions

5:15-6:15  STOP-IT Trial  
Fairway Ranch  
*Speaker: Robert G. Sawyer, MD*

Free Night
Tuesday, April 26, 2022

**7:00-8:00** Breakfast Symposium: Crely  
*Ballroom AB (Industry-sponsored; not part of scientific program)*

**8:00-9:15** Scientific Session V  
The Art and Science of Surgical Infections (Papers 21-25)  
*Moderators: Charles H. Cook, MD and Tina L. Palmieri, MD*

**O21.** Readmissions in Patients with Necrotizing Soft Tissue Infections: Continuity of Care Matters. Clara Kit Nam Lai presenting. (Resident Award) MetroHealth Medical Center. *Discussant: Amani D. Politano, MD*

**O22.** A Systematic Review of Preoperative Oral Health Intervention in Abdominal Surgery Patients. Chelsea Guy-Frank presenting. (Resident Award) University of Texas Health Science Center at Houston. *Discussant: David P. Blake, MD*

**O23.** Abdominal sepsis and the open abdomen in the geriatric patient: to operate or not to operate? Jefferson A. Proano-Zamudio presenting. Massachusetts General Hospital. *Discussant: Jennifer L. Rickard, MD*

**O24.** Bacteremia in Trauma: A Contemporary Analysis of Blood Culture Results and Outcomes in 158,884 Patients. Samir Fakhry presenting. HCA Healthcare. *Discussant: Therese M. Duane, MD*


**9:15-9:30** BREAK-Visit the Exhibits  
*Ballroom Foyer*

**9:30-10:30** FSIS Update – What Does It Mean? Where Are We Going?  
*Ballroom CD*  
*Moderator: Lillian S. Kao, MD*

**9:30-9:35** Introduction and History: Why? - Philip S. Barie, MD  
**9:35-10:00** Where Are We Now? - Lillian S. Kao, MD and Laura Brown, MD, PhD  
**10:00-10:15** Poll: Needs Assessment - Jeffrey G. Chipman, MD  
**10:15-10:30** Panel Discussion and Questions - Philip S. Barie, MD

**10:45-12:00** Scientific Session VI  
The Art and Science of Surgical Infections (Papers 25-30)  
*Moderators: Jared M. Huston, MD and Laura Brown, MD, PhD*

**O26.** Prolonged Therapy Is Not Associated with Delayed Identification of Recurrent Intra-Abdominal Infection. Andrew Dulek presenting. University of Kansas Medical Center. *Discussant: Jeffrey S. Upperman, MD*


**O28.** Skin Closure after Laparotomy: A National Survey of Surgeon Risk Assessment and Management. Chelsea Guy-Frank presenting. (Resident Award) University of Texas Health Science Center at Houston. *Discussant: April Mendoza, MD*

O30. Use of Antibiograms and Changes in Bacterial Resistance Patterns in a Burn Population. Josephine D’Abbondanza presenting. (Resident Award) University of Toronto. Discussant: Lauren Moffatt, PhD

12:00-1:00 SIS Luncheon Symposium III: AbbVie (Industry-sponsored; not part of scientific program)

1:00-2:00 Pro/Con Debate

Moderators: Matthew R. Rosengart, MD, MPH and Fredric M. Pieracci, MD, MPH

2:00-2:15 BREAK-Visit the Exhibits

2:15-4:30 Mini Orals (21) – Case Reports (3) Fairway Ranch

Session I

Moderators: Jessica Weaver, MD, PhD, Kristin P. Colling, MD and Robel T. Beyene, MD


MO3. AI discovery of multi-modal immunomodulatory control of sepsis in cases without effective antimicrobials. R. Chase Cockrell presenting. University of Vermont.


MO5. Pneumonia and Dysphagia after Cervical Spine Trauma. Laura Kreiner presenting. Case Western Reserve University School of Medicine/MetroHealth Medical Center.


MO7. The Effect of Time to Redebridement on 30-Day Mortality in Critically Ill Patients with NSTI. Jacob O’Dell presenting. University of Kansas Medical Center.


MO9. MSC-derived exosomes reduce oxidative damage and scarring to promote wound regeneration. Ayesha Aijaz presenting. Sunnybrook Research Institute.

MO10. Rectus femoris flap as the preferred salvage procedure for the management of vascular graft groin complications. Ashley Holly presenting. (Resident Award) Texas Health Resources.
CR2. Anaplasmosis Mimicking Acute Cholecystitis. Hannah Medeck presenting. UPMC Mercy Hospital

3:15-3:30 BREAK-Visit the Exhibits Ballroom Foyer

3:30-4:30 Session II. Moderators: Manuel Lorenzo, MD, Amanda Yang, MD and Brett Tracy, MD

MO11. Ventilator-Associated Pneumonia: A riddle, wrapped in pleura, inside an enigma. Walter A. Ramsey presenting. (Resident Award) Jackson Memorial Hospital, University of Miami.

MO12. The impact of pre-operative sepsis on patients undergoing emergency general surgery. Anahita Jalilvand presenting. (Resident Award) Ohio State University Wexner Medical Center.


MO14. Temporal Profile of the Inflammatory Response During Six-month Follow Up After Severe Trauma. Lauren Kelly presenting. (Resident Award, Sawyer Award) University of Florida.

MO15. Risk Factors for Mortality Following Gastroduodenal Perforations: H. Pylori is alive and well in the USA! Lamis El Kabab presenting. (Resident Award) Southshore University.


MO20. Vitamin C deficiency may be a significant risk factor for surgical infections. Hugo Bonatti presenting. Meritus Health.


CR1. A new twist on an old trick: the use of MAAB soaks to treat angioinvasive Fusarium. Jennifer Schneider presenting. THR Fort Worth


6:00-8:00 Awards Banquet Ballroom AB
8:00 ADJOURNMENT