PROGRAM

Fortieth Annual Meeting of the Surgical Infection Society

Denver, CO
August 1-3, 2021
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

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 the 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 13.00 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

American College of Surgeons
Inspiring Quality: Highest Standards, Better Outcomes

American College of Surgeons
Division of Education
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 of all other authors/contributors, if applicable.

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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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The ACCME also requires that ACS manage any reported conflict and eliminate the potential for bias during the educational activity. Any conflicts noted below have been managed to our satisfaction. The disclosure information is intended to identify any commercial relationships and allow learners to form their own judgments. However, if you perceive a bias during the educational activity, please report it on the evaluation.

*Disclosure Insert available at the Registration Desk.

Commercial Promotion Acknowledgement

The Surgical Infection Society wishes to recognize and thank the following companies for their ongoing commercial support:

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- Allergan - an AbbVie Company
- KCI, a 3M Company
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**Exhibitors**
- Next Science, LLC
- La Jolla Pharmaceutical Company
- PDI Healthcare
# SURGICAL INFECTION SOCIETY FORTIETH ANNUAL MEETING

**Denver, Colorado, August 1-3, 2021**

**Sunday, August 1, 2021**

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>12:00-5:00</td>
<td>Registration</td>
<td>Alpine</td>
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<td>2:00-3:00</td>
<td>Council Meeting</td>
<td>Aspen</td>
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<td>5:00-6:00</td>
<td>Cocktail Hour</td>
<td>Grand Ballroom Foyer</td>
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<td>6:00-7:00</td>
<td>Dinner Symposium</td>
<td>Cottonwood Ballroom</td>
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<td>“Update on the Open Abdomen” Daithi S. Heffernan, MD and Jeffrey G. Chipman, MD</td>
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<td>Sponsored with a grant from KCI, an 3M Company</td>
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<td>6:00-9:30</td>
<td>Crely Advisory Board (By Invitation Only)</td>
<td>Aspen</td>
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**Monday, August 2, 2021**

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<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>8:00-9:00</td>
<td>Breakfast Symposium</td>
<td>Cottonwood Ballroom</td>
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<td>“Rescue Medications for the Treatment of Vasodilatory Shock”</td>
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<td>Jonathan H. Chow, MD</td>
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<td>Sponsored with a grant from La Jolla Pharmaceutical Company</td>
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<tr>
<td>9:00-9:15</td>
<td>Welcome to the Meeting</td>
<td>Grand Ballroom</td>
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<td>Gregory Beilman, MD and Heather Evans, MD MS</td>
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<td>9:15-10:15</td>
<td>Surgical Infection Society Presidential Address</td>
<td>Grand Ballroom</td>
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<td>“It’s All About Balance”</td>
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<td>Jeffrey A. Claridge, MD</td>
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<td>MetroHealth Medical Center</td>
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<td>10:30-12:15</td>
<td>Plenary Session I</td>
<td>Grand Ballroom</td>
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<td>The Art and Science of Surgical Infections (Papers 1-5)</td>
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<td>Moderators: Gregory Beilman, MD and Jeffrey Claridge, MD</td>
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<td>All Papers in this session are Susman Award Eligible</td>
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**O1.** Gut Microbial Metabolites Improve Survival to Bacterial Peritonitis Via the Aryl Hydrocarbon Receptor.  
*Robert Keskey MD, University of Chicago. Discussant: Michaela West, MD, PhD*

**O2.** Fecal Iga Levels Are Inversely Correlated with Gut Microbial Alpha Diversity In The Perioperative Setting.  
*Sonja Boatman MD (Resident Award), University of Minnesota.  
Discussant: William G. Cheadle, MD*

**O3.** Comparison of Infectious Complications After Surgical Fixation versus Epidural Analgesia For Acute Rib Fractures.  
*Tarek Kheirbek MD, Brown University. Discussant: Fredric M. Pieracci, MD*

**O4.** Different Surgeon, Different Duration: Lack of Consensus on Appropriate Antimicrobial Prophylaxis and Therapy.  
*Patrick Delaplain MD (Resident Award), University of California, Irvine.  
Discussant: Robert G. Sawyer, MD*

**O5.** Is Same Day Discharge After Appendicitis Safe? A Post-hoc Analysis of the EAST MUSTANG Study
12:15-1:15  Luncheon Symposium I:  
Science of Biofilms --Topher Hunter  
Sponsored with a grant from Next Science, LLC

1:30-2:30  Multi-Centered Trials Initiative  
Moderators: Christopher A. Guidry, MD and Rishi Rattan, MD
1:30-1:35  Introduction: Haytham Kaafarani, MD
1:35-1:45  FUNgal coverage after Gastrointestinal Ulcer Surgery: The FUNGUS Trial. April Mendoza, MD
1:45-1:50  Q&A
1:50-2:00  Restricted vs. Liberal Post-Operative Antibiotics for Simple and Complicated Appendicitis using Desirability of Outcome Ranking and Response. Daniel D. Yeh, MD
2:00-2:05  Q&A
2:05-2:15  The Duration of Antibiotic Treatment for Early VAP (DATE) Trial. Fredric M. Pieracci, MD
2:15-2:20  Q&A

2:45-4:30  Plenary Session II  
The Art and Science of Surgical Infections (Papers 6-10) 
Moderators: John C. Alverdy, MD and Jessica Weaver, MD, PhD
All Papers in this session are Susman Award Eligible

O6. Fermentable Fiber Mitigates Antibiotic-Induced Disturbances Of The Gut Microbiota And Host Health  
Tiffany Toni MD, University of Chicago. Discussant: Daithi S. Heffernan, MD

O7. Modified Frailty Index–5 Predicts Infectious Complications Following Cholecystectomy: A Retrospective Cohort Analysis. Robert Sinyard MD (Resident Award), Massachusetts General Hospital, Harvard Medical School. Discussant: Christopher A. Guidry, MD

O8. FER Gene Delivery Rescues Immune Response in Geriatric Mice after Lung Contusion and Pneumonia. Vladislav Dolgachev PhD, University of Michigan. Discussant: Todd W. Costantini, MD

O9. Revisiting the SIS Delphi Analysis of the Research Agenda in Surgical Infections: Advancements and unanswered questions. Patrick Delaplain MD (Resident Award), University of California, Irvine. Discussant: Charles H. Cook, MD

O10. Modeling the Trojan Horse hypothesis of Surgical Site Infections (SSIs). John C. Alverdy, MD, University of Chicago. Discussant: Patrick Jon O'Neill, PhD, MD

4:45-6:00  “Looking Inward and Outward: The SIS Challenge”  
Moderator: Vanessa Ho, MD
4:45-5:00  “Inward and Outward Facing: Our Parallel Mission” Vanessa Ho, MD
5:00-5:15  “Is there Scientific Basis for “Diversity” Research?” Joseph S. Fernandez-Moure MD
5:15-5:30  “Study Design in a Global Melting Pot” Carolyn Twomey, RN

SIS 2020
5:30-5:45  “What Does This All Mean for SIS and Me?” Rishi Rattan, MD
5:45-6:00  Panel Discussion

6:00-7:00  Foundation Meeting  Aspen
7:00-10:00 President’s Dinner and 40th Anniversary Celebration: All Welcome  Cottonwood

Tuesday, August 3, 2021

8:00-9:00  Breakfast Symposium  Cottonwood Ballroom
What’s New in Antibiotics 2021
Philip S. Barie, MD, Robert G. Sawyer, MD, Lillian S. Kao, MD
Sponsored with a grant from AbbVie

9:00-10:15  SIS Update Symposium: Research Priorities of SIS  Grand Ballroom
Moderator: Sebastian Schubl, MD--Panelists: Philip Barie, MD, William Cheadle, MD, Donald Fry, MD, Patch Dellinger, MD, Robert Sawyer, MD
9:00-9:10  Moderator Comments
9:10-9:20  Surgical Infections and the Future of Research: Re-defining the Research Agenda for the Surgical Infection Society.  Patrick Delaplain, MD (Resident Award, Susman Award), University of California, Irvine
9:20-9:25  Q&A
9:35-9:40  Q&A
9:40-9:50  Does Standard Duration Of Antibiotics For Bacteremia (14 Days) Affect Mortality And Recurrent Bacteremia Vs. Treatment Until Afebrile, No Leukocytosis And Repeat Blood Culture Negative With Minimum 7 Days?  Laura Brown, MD, PhD
9:50-9:55  Q&A
9:55-10:05  Are There Effective Non-Antibacterial Prevention Strategies Or Treatments To Treat Or Address Resistance/Colonization?  Laura Kreiner, MD
10:05-10:15  Q&A

10:30-12:15  Plenary Session III  Grand Ballroom
The Art and Science of Surgical Infections (Papers 11-15)
Moderators: Michaela West, MD, PhD and Sabrina Sanchez, MD, MPH
All Papers in this session are Susman Award Eligible

O11.  Addressing COVID-19 In the Surgical ICU: Incidence Of Antibodies In Healthcare Personnel At A Quaternary Care Center.  Alexi Bloom MD (Resident Award), Henry Ford Hospital.  Discussant: Jeffrey M. Tessier, MD

O12.  Bacterial Co-Infection is Associated with Thrombotic Complications and Immunothrombotic Cellular Clusters in COVID-19.  Ander Dorken Gallastegi MD (Resident Award), Massachusetts General Hospital.  Discussant: Elizabeth Fox, MD
O13. Gender Disparities in the Operative Management of Complicated Diverticulitis  
Laura Godat MD, University of California, San Diego. Discussant: Laura Kreiner, MD

O14. Comorbidities Matter as Distressed Communities Index Fails to Predict Mortality in Necrotizing Soft Tissue Infection.  
Michael Villarreal MD (Resident Award), The Ohio State University Wexner Medical Center.  
Discussant: Lillian S. Kao, MD

O15. Does Race Impact Mortality from Infections in the Surgical Intensive Care Unit?  
Elizabeth D. Krebs MD (Resident Award), University of Virginia. Discussant: Sabrina Sanchez, MD, MPH

12:15-1:15  Luncheon Symposium II  
Cottonwood Ballroom  
A Broad-Coverage Antibiotic Combination for Adult Patients With cUTI, cIAI, or HABP/VABP  
Rajkumar Dasgupta, MD--Sponsored with a grant from Merck & Co., Inc.

1:30-2:45  Plenary Session IV  
Grand Ballroom  
The Art and Science of Surgical Infections (Papers 16-20)  
Moderators: April Mendoza, MD, MPH and Nicholas Namias, MD, MBA  
All Papers in this session are Susman Award Eligible

O16. The Impact of Elder-friendly Care on Infection and Delirium following Acute Care Surgery  
Melissa Shears MD, University of Alberta. Discussant: Amani D. Politano, MD

O17. Mechanism Of Bacteroides Fragilis Modulating Lymphocytes In A Clinically Applicable 3D Intestinal Organoid Sepsis Model.  
Isabella Heffernan, Brown University / Rhode Island Hospital.  
Discussant: John C. Alverdy, MD

Rishi Rattan, MD, University of Miami Miller School of Medicine. Discussant: John P. Davis, MD

O19. Is Staphylococcal TSST-1 Pathophysiology Mediated by a CD40-Dependent Mechanism in Keratinocytes?  
Mary Oliver, Medstar Health Research Institute. Discussant: Catherine J. Hunter, MD

O20. Evaluating The Relationship Between Shock, Physiologic Normalcy, And Surgical Site Infection In Trauma Laparotomy.  
Shah-Jahan Dodwad, MD (Resident Award), LBJ General Hospital Discussant: Jong Lee, MD

3:00-4:30  GLOBAL SYMPOSIUM  
Grand Ballroom  
Moderator: Jennifer L. Rickard, MD

3:00-3:10  Introduction Jennifer L. Rickard, MD

3:10-3:30  Antimicrobial resistance in South Asia. Dr. Nobhojit Roy, MD, PhD

3:30-3:40  Q&A

3:40-4:15  Panel Discussion: Challenges of Global Work in the Pandemic Survey Of National Surgical Site Infection Surveillance Programs In Low- Or Middle-Income Countries. Joseph D. Forrester, MD  
Pfizer Grant- Mayur Narayan, MD  
“Global Health During a Pandemic: Challenges and Opportunities” Allison Berndtson, MD
4:15-4:30  Q&A

4:30-5:30  Supreme Court  Grand Ballroom
Moderator: Daithi Heffernan, MD. Panelists: Philip S. Barie, MD, Donald E. Fry, MD, Robert G. Sawyer, MD, Lillian S. Kao, MD
All Papers in this session are Susman Award Eligible


From Triage to the Operating Room: The Impact of Delay in Intervention on the Outcome of Appendicitis Nicholas Namias, MD, MBA, University of Miami Miller School of Medicine.

Duration of Antibiotics in Necrotizing Soft Tissue Infections: Shorter is Safe W T Hillman Terzian MD (Resident Award), Wake Forest School of Medicine.

7:00-10:00  Awards Banquet  Cottonwood Ballroom
10:00  ADJOURNMENT