

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.



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*Disclosure Insert available at the Registration Desk.

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SURGICAL INFECTION SOCIETY FORTIETH ANNUAL MEETING

Denver, Colorado, August 1-3, 2021

Sunday, August 1, 2021

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

Monday, August 2, 2021

8:00-9:00	Breakfast Symposium “Rescue Medications for the Treatment of Vasodilatory Shock” Jonathan H. Chow, MD <i>Sponsored with a grant from La Jolla Pharmaceutical Company</i>	Cottonwood Ballroom
9:00-9:15	Welcome to the Meeting Gregory Beilman, MD and Heather Evans, MD MS	Grand Ballroom
9:15-10:15	Surgical Infection Society Presidential Address “It’s All About Balance” Jeffrey A. Claridge, MD MetroHealth Medical Center	Grand Ballroom
10:30-12:15	Plenary Session I The Art and Science of Surgical Infections (Papers 1-5) <i>Moderators: Gregory Beilman, MD and Jeffrey Claridge, MD</i> <i>All Papers in this session are Susman Award Eligible</i>	Grand Ballroom

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

Eva Urrechaga MD (Resident Award), University of Miami. Discussant: Therese M. Duane, MD

12:15-1:15 Luncheon Symposium I: Cottonwood Ballroom
Science of Biofilms --Topher Hunter
Sponsored with a grant from Next Science, LLC

1:30-2:30 Multi-Centered Trials Initiative Grand Ballroom
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 Grand Ballroom
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" Grand Ballroom
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

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**

7:00-10:00 **President’s Dinner and 40th Anniversary Celebration: All Welcome**

**Aspen
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**

9:25-9:35 Does Nutritional Status Play A Major Role In The Risk Of Postoperative Infection?
April Mendoza, MD, MPH

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-Antibicrobial 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*

O18. Violation of Postoperative Antibiotic Guidelines in Acute Appendicitis: A Multicenter, Quality Improvement Study. *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

Impact of Antimicrobial Prophylaxis Duration On Surgical Site Infection SSI In Patients Undergoing ENT/OMF Surgery. *Jack Wolf, Hartford HealthCare.*

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