PROGRAM

Forty Second Annual Meeting of the Surgical Infection Society

Westlake Village, CA
April 11-14, 2023
CONTINUING MEDICAL EDUCATION CREDIT INFORMATION

Accreditation
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of 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 12.5 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 12.5 meet the requirements for Self-Assessment.

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
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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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.

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*Please see the insert to this program for the complete disclosure list.
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**Tuesday, April 11, 2023**

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<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>12:00-06:00</td>
<td>Registration</td>
<td>Newport</td>
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<tr>
<td>12:00-04:00</td>
<td>Committee Meetings</td>
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<tr>
<td>12:00-01:00</td>
<td>By-Laws and Special Projects</td>
<td>Sherwood</td>
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<td>12:00-01:00</td>
<td>Informatics</td>
<td>Ventura</td>
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<td>04:00-05:00</td>
<td>Scientific Studies</td>
<td>Sherwood</td>
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<td>04:15-05:00</td>
<td>Global Health</td>
<td>Ventura</td>
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<td>02:00-04:00</td>
<td>Council Meeting</td>
<td>Phone 2/23</td>
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<tr>
<td>07:00-09:00</td>
<td>President’s Dinner <em>(By invitation)</em></td>
<td>Ballroom A&amp;E</td>
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**Wednesday, April 12, 2023**

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<tr>
<th>Time</th>
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<th>Location</th>
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<tr>
<td>06:15-07:15</td>
<td>Welcome Breakfast</td>
<td>Ballroom A&amp;E</td>
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<tr>
<td>Speaker:</td>
<td>Vanessa P. Ho, MD and Manuel Lorenzo, MD</td>
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<tr>
<td>07:15-07:30</td>
<td>Welcome to the Meeting</td>
<td>Ballroom BCD</td>
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<td>Speakers:</td>
<td>David P. Blake, MD, MPH, FACS, DMCC and Daithi S. Heffernan, MD, AFRCSI</td>
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<tr>
<td>07:30-12:30</td>
<td>Surgical Infection Update Symposium I - FSIS</td>
<td>Ballroom BCD</td>
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<td>Moderator:</td>
<td>Lillian Kao, MD</td>
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<th>Time</th>
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<tr>
<td>07:30-08:30</td>
<td>“Is Resistance Futile? Review and Updates on Bacterial Resistance” - Philip S. Barie, MD</td>
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<td>08:30-09:15</td>
<td>DEBATE – “Vancomycin is suitable for routine antibiotic prophylaxis” - Joseph D. Forrester, MD</td>
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<td>Pro:</td>
<td>Patrick McGonagill, MD- Rebuttal - Addison K. May, MD</td>
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<td>Con:</td>
<td>Kristin P. Colling, MD – Rebuttal - John E. Mazuski, MD, PhD</td>
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<td>09:30-11:15</td>
<td>Duration of Antibiotic Therapy</td>
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<td>Moderator:</td>
<td>April Mendoza, MD</td>
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<tr>
<td>09:30-10:00</td>
<td>“Is Less More? Evidence for Shorter Duration Antibiotic Therapy for Surgical Infections Beyond STOP-IT” - Robert G. Sawyer, MD</td>
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<td>10:00-10:30</td>
<td>“Did We STOP-IT? Variation in Current Antibiotic Duration Prescribing Amongst Surgeons” - Patrick Delaplain, MD</td>
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<td>10:30-11:00</td>
<td>“Mission Impossible? Changing Surgeon Antibiotic Prescribing Practices” - April Mendoza, MD</td>
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<td>11:00-11:15</td>
<td>Q&amp;A</td>
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<td>11:30-12:30</td>
<td>Year in Review - Rondi Gelbard, MD</td>
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12:30-01:30  Lunch - La Jolla Pharmaceutical Company  Ballroom A&E

(Industry-sponsored; not part of scientific program)

01:30-05:00  Plenary Session I – Top 10 Papers (10min/10min discuss)  Ballroom BCD

The Art and Science of Surgical Infections

All Papers in this session are Susman Award Eligible
Moderators: David P. Blake, MD, MPH, FACS, DMCC and Jeffrey S. Upperman, MD

O1. Fibrinolysis Resistance Following Injury is a Risk Factor for Subsequent Intensive Care Unit Pneumonia. Ivan Rodriguez presenting. (Resident Award) University of Colorado School of Medicine. Discussant: Nicholas Namias, MD

O2. Postoperative antibiotic practices and surgical site infections in twenty low- and middle-income country hospitals. Alex Zhuang presenting. Boston University Chobanian and Avedisian School of Medicine. Discussant: Gregory J. Beilman, MD

O3. Area Deprivation Index (ADI) Predicts Increased 90-day Mortality in Critically Ill Patients with Sepsis. Whitney Kellett presenting. (Resident Award, Sawyer Award) The Ohio State Wexner Medical Center. Discussant: Ori D. Rotstein, MD


O5. A Self-Sustaining Antibiotic Prophylaxis Program to Reduce Surgical Site Infections. Eli Mlaver presenting. (Resident Award, Sawyer Award, New Member Award) Emory University. Discussant: William G. Cheadle, MD

03:15-03:30 BREAK-Visit the Exhibits

O6. ER to OR Pathway for Patients with Acute Appendicitis and Acute Cholecystitis: Outpatient Emergency General Surgery. Husayn Ladhani presenting. (Resident Award, New Member Award) DenverHealth Medical Center. Discussant: Jeffrey A. Claridge, MD

O7. Disparities in Complicated and Uncomplicated Diverticulitis Management. Andrew Tran presenting. MetroHealth Medical Center. Discussant: Philip S. Barie, MD

O8. Does Oral Health a Day Keep the Infection Away? Chelsea Guy-Frank presenting. (Resident Award) UTHealth Houston, McGovern Medical School. Discussant: Donald E. Fry, MD

O9. The hyperinflammatory state: increasing proclivity to develop necrotizing enterocolitis. Katherine Snyder presenting. (Resident Award) Oklahoma University Health Sciences Center. Discussant: Jeffrey S. Upperman, MD

O10. Reported Practice Patterns Vary for the Management of Suspected Incisional Surgical Site Infection. Patrick Delaplain presenting. Boston Children's Hospital. Discussant: John E. Mazuski, MD, PhD

05:00-07:00 Committee Meetings

05:00-06:00 Membership  Manuel Lorenzo, MD, MBA

06:00-07:00 Fellowship  Lillian S. Kao, MD

06:00-07:00 Therapeutics & Guidelines  Jared M. Huston, MD

SIS 2023
Thursday, April 13, 2023

06:30-07:30  Breakfast - Fellowship Award Recipient Presentations  Ballroom A&E

Moderators: Philip S. Barie, MD, MBA and Laura Kreiner, MD

SIS Foundation Junior Faculty Basic Research Fellowship-2019
Joseph S. Fernandez-Moure MD MS  
Duke University Medical Center

SIS Foundation Junior Faculty Clinical Research Fellowship-2019
Margaret Lauerman, MD  
R-Adams Cowley Shock Trauma Center

SIS Foundation Junior Faculty Basic Research Fellowship-2021
Joseph D. Forrester, MD  
Stanford University

SIS Foundation Junior Faculty Clinical Research Fellowship-2022
Adil Akkouch, MS, PhD  
Western Michigan University Homer Stryker

SIS Foundation Junior Faculty Basic Research Fellowship-2022
Irving Zamora, MD  
Vanderbilt Children’s Hospital

07:30-09:00  Scientific Session II  (Papers 11-16) (8min/7min discuss)  Ballroom BCD

Moderators: Laura Brown, MD, PhD and Amanda Yang, MD

O11. Provider Perceptions of Antibiotic Initiation Strategies for Hospital Acquired Pneumonia. Aubrey Swilling presenting. (Resident Award) University of Kansas Medical Center. Discussant: Addison K. May, MD

O12. Impact of a Multiplex PCR Assay for Rapid Diagnosis of Pneumonia on Antibiotic Use in Trauma ICU Patients. Danielle Detelich presenting. Wake Forest Baptist Health. Discussant: April Mendoza, MD


O15. Characterizing the crosstalk between programmed cell death pathways in cytokine storm with an agent-based model. Solomon Feuerwerker presenting. (Resident Award) University of Vermont. Discussant: Matthew R. Rosengart, MD

09:15-10:00 Military and Austere Environment Session  
Speaker: David Tribble, M.D., Dr.P.H.

09:15-09:30 Evaluation of Antibiotic Stewardship Programs in India Through a Pilot Needs Assessment Model. Abhinay Tumati presenting. (Resident Award, Sawyer Award, New Member Award) Weill Cornell Medicine. Discussant: David Tribble, M.D., Dr.P.H.

09:30-10:00 “After the Battlefield – Infectious Complications among Wounded Warriors” - David Tribble, M.D., Dr.P.H

10:00-10:15 BREAK-Visit the Exhibits

10:15-11:45 Scientific Session III (Papers 17-22) (8min/7min discuss)  
Moderators: William G. Cheadle, MD and Lauren Moffatt, PhD


O20. Still Using the P-value, Stop It! A Bayesian Analysis of the STOP-IT Trial. James Klugh presenting. (Resident Award) McGovern Medical School. Discussant: Heather L. Evans, MD

O21. Oxidative injury leads to lipid radical accumulation in a human necrotizing enterocolitis enteroid model. Alena Golubkova presenting. (Resident Award) University of Oklahoma Health Sciences Center. Discussant: Irving Zamora, MD

O22. Sirt3 Deletion Promotes Inflammation and Mortality in Polymicrobial Sepsis. Hanna Labiner presenting. The Ohio State University Wexner Medical Center. Discussant: Todd W. Costantini, MD

12:00-01:15 Luncheon Symposium II – Crely, Inc.  
(Industry-sponsored; not part of scientific program)

01:30-03:00 Scientific Session IV (Papers 23-28) (8min/7min discuss)  
Moderators: Allison Berndtson, MD and Catherine J. Hunter, MD

O23. Impact of disability on postoperative infectious complications. Wardah Rafaqat presenting. Massachusetts General Hospital. Discussant: Michaela A. West, MD, PhD


O26. Narrowing the Gap: Preclinical Trauma/Sepsis model with Increased Clinical Relevance. Jennifer Munley presenting. (Resident Award) University of Florida. Discussant: Jessica Weaver, MD, PhD


03:00-03:15 BREAK-Visit the Exhibits

03:15-04:15 Surgical Infection Society Presidential Address
Ballroom BCD
“HIStory: From Petri dish to Preparation for Complex Impact”
Jeffrey S. Upperman, MD, FAAP, FACS
Professor and Chair, Department of Pediatric Surgery
Vanderbilt Children's Hospital

04:15-05:00 Annual Business Meeting (Members only)
Ballroom BCD
Free Night

Friday, April 14, 2023

06:30-07:30 Breakfast – Case Reports
Ballroom A&E
Moderators: Daithi S. Heffernan, MD, AFRCSI, Kemal Rasa, MD and Vanita Ahuja, MD


CR4. Management of Surgical Site Infection after Percutaneous Tracheostomy. Declan Feery presenting. UNLV School of Medicine.


07:30-09:00 Scientific Session V (Papers 29-34) (8min/7min discuss)
Ballroom BCD
Moderators: Jared M. Huston, MD and Jennifer L. Rickard, MD


SIS 2023
O30. Open or closed? Management of skin incisions after emergent general surgery laparotomies. Brett Tracy presenting. The Ohio State University Wexner Medical Center. Discussant: Therese M. Duane, MD

O31. ROCK Inhibition attenuates pro-apoptotic factors associated with Necrotizing Enterocolitis. Tyler Leiva presenting. (Resident Award) University of Oklahoma. Discussant: Kevin P. Mollen, MD

O32. The Impact of Surgical Infections on Readmission After Trauma in Geriatric Patients. Manuel Castillo-Angeles presenting. (Resident Award, Sawyer Award) Brigham and Women's Hospital. Discussant: Vanessa P. Ho, MD

O33. Surgical Site Infections after Cholecystectomy in the Acute Care Surgery Era. Abigail Raiter presenting. University of Minnesota Medical School. Discussant: Amanda Yang, MD

O34. Social determinants of health associated with urgent versus elective cholecystectomy. Sara Myers presenting. (Resident Award) Boston University School of Medicine. Discussant: Leo Andrew Benedict, MD

09:15-10:00  William A. Altemeier Memorial Lecturer Ballroom BCD
“Be Infectious. Leadership in an era of Plagues, Politics, and Public Health.”
Scott Giberson, RPh, MPH, D.Sc.

10:00-10:15  Break-Visit the Exhibits

10:15-12:15  Scientific Session VI (Papers 35-40) (8min/7min discuss) Ballroom BCD
Moderators: Leo Andrew Benedict, MD and Amani D. Politano, MD

O35. Short versus Long Antibiotic Duration for Necrotizing Soft Tissue Infection: A Systematic Review and Meta-Analysis. Nicole Lyons presenting. (Resident Award) University of Miami Miller School of Medicine. Discussant: Patricia Martinez Quinones, MD


O40. Meta-analysis of hemodynamic goal directed fluid therapy during surgery on the prevention of surgical-site infection. Hasti Jalalzadeh presenting. Amsterdam UMC. Discussant: Allison Berndtson, MD

12:30-01:30  Lunch - On Your Own Ballroom A&E

01:30-02:15  Pro/Con Debate Ballroom BCD
Moderators: Matthew R. Rosengart, MD and Fredric M. Pieracci, MD

SIS 2023
02:15-02:30 Occurrence of Clostridium Difficile Enterocolitis in Burn Victims Relative to Total Body Surface Area of Injury. Caroline Corley presenting. Medical University of South Carolina. Discussant: Laura N. Haines, MD

02:30-02:40 “Single Cell and Proteomic” – Isaiah R. Turnbull, MD, PhD

02:40-02:50 “Modeling in Burn and Sepsis and Cytokines” – Gary C. An, MD

02:50-03:00 “Best Work Forward Wound Care” – Jeffrey W. Shupp, MD

03:00-03:10 “Biomarkers and Sepsis” – Marc G. Jeschke, MD, PhD

03:10-03:15 Q&A

03:15-03:30 Break -Visit the Exhibits

03:30-04:30 Mini Oral Session I

Moderators: Patricia Martinez Quinones, MD and Amy A. McDonald, MD

MO1. Trajectories in survivors and non-survivors differ in adult and older adult burn patients. Marc Jeschke presenting. Hamilton Health Sciences Centre.


MO4. VBI-S for the Treatment of Hypotension in Septic Shock. Manasa Gadraju presenting. (Resident Award, Sawyer Award, New Member Award) UMKC School of Medicine.


MO6. Time to Abdominal Percutaneous Drain Placement is Not Associated with Complication. Jacob O’Dell presenting. (Resident Award) University of Kansas Medical Center.

MO7. The Pathobiome and Immunologic Function Following Blunt Splenic Injury: The Bad and the Good! Samuel Coster presenting. (Resident Award, Sawyer Award, New Member Award) Western Michigan University Homer Stryker M.D School of Medicine.


03:30-04:30 Mini Oral Session II

Moderators: Christopher A. Guidry, MD and Kristin P. Colling, MD

Ventura


MO14. Blood Product Components and Nosocomial Infection Risk in Trauma Patients: A Retrospective Study Using the NTDB. Jacob O’Dell presenting. KU Medical Center.


MO17. Investigating the Rates of Pneumonia after Bronchoalveolar Lavage in Inhalation Injuries. Derek Riffert presenting. (Sawyer Award) Vanderbilt University Medical Center.


04:30-05:30 Mini Oral Session III

Moderators: Joseph D. Forrester, MD and Julie Valenzuela, MD

Sherwood

MO21. Characterization of Early and Late Deaths for Surgical Patients with Sepsis. Anahita Jalilvand presenting. (Resident Award) The Ohio State University.


MO23. Trends in Gender Disparities in Outcomes Among Adult Burn Victims. Savannah Skidmore presenting. Medical University of South Carolina.

MO24. Does Negative Pressure Wound Therapy Impact the Outcome of NSTI patients Infected with Anaerobic Bacteria? Hussain Afzal presenting. (Resident Award, Sawyer Award) Washington University in Saint Louis.


SIS 2023


MO29. Anemia Recovery After Lung Contusion, Hemorrhagic Shock and Chronic Stress is Sex-Specific. Gwendolyn Gillies presenting. (Sawyer Award, New Member Award) University of Florida.


04:30-05:30 Mini Oral Session IV Ventura
Moderators: Mark Hoofnagle, MD, PhD and Manuel Lorenzo, MD

MO31. Modified Frailty Index 5 (mFI-5) Score as a Predictive Tool for Post-traumatic Empyema in Geriatric Trauma Patients. Ricardo Fonseca presenting. Washington University in St. Louis.


MO33. Changes in Serum Bicarbonate Level as a Predictor of Mortality in Surgical Intensive Care Patients. Andrew Tran presenting. (Resident Award) MetroHealth Medical Center.

MO34. Use of Antibiotics in Reconstruction with Sternal Rigid Plate Fixation. Alexandra Blake presenting. (New Member Award) Dominion Plastic Surgery.


06:30-08:30 Awards Banquet Ballroom A&E
08:30 Adjournment