

SIS Surgical Infection Society

44TH ANNUAL MEETING

May 13-14, 2025 | Loews Hotel | Philadelphia, PA

FULL PROGRAM



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

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The American College of Surgeons designates this live activity for a maximum of **11.25 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 **11.25 credits** meet the requirements for Self-Assessment.



DAY 1 – TUESDAY 13TH MAY

8:00am – 8:50am Mini-Oral Session I

Moderators: [Laura Kreiner](#) & TBD

Abstract MO1: “The Relationship Between Length of Stay and Increased Infection Rates in Trauma Patients with a Delay in Hospital Discharge.” Presenter: Michael Alchaer (Post-Doctoral Research Associate) – Washington University St. Louis

Abstract MO2: “Prodromal Phase of Infection Associated with Hypocoagulability, Acute Phase with Hypercoagulability based on Thromboelastography and Platelet Mapping”. Presenter: Monica Patten (Resident, Sawyer Award) – Western Michigan University

Abstract MO3: “Outcomes and Predictors of Fungal Necrotizing Soft Tissue Infections” Presenter: Courtney Collins (Resident)

Abstract MO4: “Diverticulitis in Pregnancy: A National Readmissions Database Study”. Presenter: Dayle Colpitts (Resident)

Abstract MO5: “Presence of Hypoalbuminemia Blunts the Obesity Paradox in Emergency General Surgery Outcomes.” Presenter: Patrick Kennedy – Ohio State

Abstract MO6: “Efficacy of Short vs. Long Course Antibiotics in Treatment of Hinchey 3 and 4 Diverticulitis” Presenter: Abanoub Awad

Abstract MO7: “Impact of Induction Agents on CMV Infection and Seroconversion in Pediatric Renal Transplant Recipients, an Analysis of UNOS Data from 2000-2024.” Presenter: Alejandro Navarro

Abstract MO8: “Assessing the Gap: SIS Guidelines vs. Real-World Antibiotic Use in Facial Fractures.” Presenter: Ahmad El Nouiri (Resident, Sawyer Award)

Abstract MO9: “Infection: A Major Contributor to Anemia of Critical illness” Presenter: Monica Patten (Resident, Sawyer Award) – Western Michigan University

Abstract MO10: “Predictors of Methicillin-Resistant Staphylococcus Aureus in Necrotizing Soft Tissue Infections.” Presenter: Courtney Collins (Resident) – Ohio State

8:00am – 8:50am Mini-Oral Session II

Moderators: [Christie Buonpane](#) & TBD

Abstract MO11: “Time Matters: Early Video-Assisted Thoracoscopic Surgery Reduces the Risk of Post-Operative Empyema in Patients with Thoracic Trauma” Presenter: Marco Henriquez

Abstract MO12: “Retained Hemothorax and Empyema After Trauma: Predictive Factors and Cost”. Presenter: Cassandra Samuel (Resident)

Abstract MO13: “Is Social Vulnerability Associated with Surgical Site Infections in Trauma Patients?” Presenter: Mokunfayo Fajemisin (Resident)

Abstract MO14: “Readability of Infection-Related Patient Education Materials” Presenter: Parker Towns

Abstract MO15: “Understanding the Risk of Infection after Ultra Massive Blood Product Transfusion” Presenter: Zachary Grady

Abstract MO16: “The Impact of a Novel Microbicidal Elastomeric Liquid Polymer (Preventogen) on Surgical Site Infections in Patient Undergoing Surgery” Presenter: Hachem Bey

Abstract MO17: “Reduced wound contamination of a chlorhexidine gluconate (CHG) containing surgical incise drape using an ex vivo porcine skin incisional model.” Presenter: Shazia Siddiqui

Abstract MO18: “Is mobility after trauma laparotomy associated with surgical site infections?” Presenter: William Reiger

Abstract MO19: “Utility of Serum (1,3)- β -D-glucan in Diagnosing and Treating Fungal Infections in Patients with Burn Injury” Presenter TBD

Abstract MO20: “Corticosteroids in Trauma Patients: Impact on Outcomes and Infection Risk” Presenter: Ameera Mazrany

DAY 1 – TUESDAY 13TH MAY

8:55am – 9:40am Mini-Oral Session III

Moderators: Margarita Elloso & TBD

Abstract MO21: “Investigating microbial mitigation for surgical incision sites using UV-C” Presenter: Benjamin Robertson

Abstract MO22: “Utility of Abdominal MRI in Pediatric Patients with Suspected Appendicitis Who Undergo Non Diagnostic Ultrasound in a Low Resource Setting” Presenter: Anna Willingham

Abstract MO23: “The Use Of A Novel Microbicidal Liquid Polymer (Preventogen) To Reduce Tunneled Hemodialysis Catheters Infections In Patients Receiving Hemodialysis” Presenter: Brett Hazuka

Abstract MO24: “Burn Sepsis Epidemiology and Outcomes in Adults and Older Adults: A Single-Centre Cohort Study” Presenter: Diana Julia Tedesco

Abstract MO25: “Risk of CMV Infection and Seroconversion in Kidney Transplantation in adults; an analysis of induction over time.” Presenter:????? Possibly Alejandro Navarro

Abstract MO26: “The amazing world of obligate anaerobic Gram positive cocci: a critical analysis of 598 infectious episodes in the era of MALDI-TOF MS” Presenter: Hugo Bonatti

Abstract MO27: “Intensive time travel: Clinical characteristics of early and late bronchoscopic cultures in intubated medical and surgical ICU patients” Presenter: Alyssa Douville

Abstract MO28: “Multidisciplinary Facial Fracture Antibiotic Prophylaxis Guideline Failed to Reduce Antibiotic Recommendations or Administration” Presenter: Terra Hill

Abstract MO29: “Spectrum of pathogens associated with foot infections: review of 178 episodes from a rural hospital” Presenter: Rachel Tuer

8:55am – 9:40am Mini-Oral Session IV

Moderators: Robel Beyene & TBD

Abstract MO30: “Destinations and Methodologic Quality of Surgical Infections Research in Major Surgical Journals” Presenter: Caitlin Egan

Abstract MO31: “Surgical Management and Post operative Morbidity in Abdominal Tuberculosis Patients” Presenter: Perwira Widiyanto

Abstract MO32: “Rare but devastating infection: Graft Infections of Thoracic Aortic Repair Grafts” Presenter: Henry Kwon

Abstract MO33: “Infections caused by the emerging anaerobic surgical pathogen *Fingoldia magna*: review of 212 cases” Presenter: Pooja Ajith

Abstract MO34: “Incidence of Surgical Site Infections in Indigenous Populations of the United States and Canada: A Scoping Review” Presenter: Fabrizio Darby

Abstract MO35: “Insights into the microbiology profile of patients with complicated intra-abdominal infections (cIAI) in a tertiary center in Indonesia” Presenter: Indah Jamtani

Abstract MO36: “Exploring Diagnostic Criteria for Post-operative Infectious Endocarditis in Pediatric Patients with Congenital Heart Disease” Presenter: Swetha Sriramoju

Abstract MO37: “Antibiotic Prophylaxis in Gastrointestinal Surgery: Balancing Efficacy and Resistance” Presenter: Amira Elfergani

Abstract MO38: “A series of 16 *Pasteurella* spp bite wound infections with review of 65 infectious episodes caused by *Pasteurella* spp and 28 consecutive human and animals” Presenter: Anne Sescleifer

DAY 1 – TUESDAY 13TH MAY

9:45am – 10:30am Fellowship Update Symposium State of the Art
Moderators: Dante Yeh

“Primer on Phage Therapy” Presenter: Dr. Mayur Narayn

“History of Antibiotics” Presenter: TBD

10:30 – 10:45am Break

10:45am – 12:00pm Scientific Session I: Presentations 1-5
Moderators: Marc Jeschke & Heather Evans

Abstract 01: “Impact of Donor Microbiota on the Efficacy of Fecal Microbiota Transplantation in a Mouse Model of Lethal Bacterial Infection” Presenter: Rebecca Meltzer (Resident, Sawyer Award) – University of Chicago

Discussant: Michaela West

Abstract 02: “Outcomes by race and ethnicity in two different care models for acute appendicitis”.
Presenter: Leo Andrew Benedict – University of Missouri-Kansas City

Discussant: Anne Stey

Abstract 03: “Biomarkers for Predicting Burn-Sepsis in Younger Adults and Older Adults: A Single-Centre Cohort Study. Presenter Khalaf Fadi – Hamilton Health Sciences, McMaster University

Discussant: Tina Palmieri

Abstract 04: “Initial SBO Management Pathway Drives Deep Surgical Site Infection Occurrence”
Presenter: Lewis Kaplan – Perelman School of Medicine, University of Pennsylvania

Discussant: Jarrett Santorelli

Abstract 05: “The Effect of Ketone Bodies and Lipid Nanoparticles on Lethal Infection” Presenter: Gelilla Daniel (Resident, Sawyer award) – University of Missouri, Kansas City

Discussant: Cathy Hunter

12:00 pm – 1:00pm Lunch

1:00pm – 2:00pm Equity Tableside Panel
Speakers: TBD

2:00pm – 3:00pm Presidential Address
“Creativity: How to Make the Impossible, Possible”



Marc Jeschke, MD, PhD, FACS, FCCM, FRCS(C)

Vice President, Research and Chief Scientific Officer, Hamilton Health Sciences
Senior Scientist and the Director of the Ross Tilley Burn Center at Sunnybrook Health Science Center

DAY 1 – TUESDAY 13TH MAY

3:00 pm – 3:15pm Break

3:15 PM – 4:00 PM Fellowship Update Symposium
[Year in Review](#)



**Basic Science –
Title TBD**
Speaker TBD



Clinical – Title TBD
Dr. Christopher Guidry



**“Management of
infected hernia”**
Speaker TBD

4:00pm – 5:15pm Scientific Session II: Presentations 6–10
[Moderators: Greg Beilman and Lillian Kao](#)

Abstract 06: “Impact of Whole Blood Resuscitation on Infection Risk in Trauma Patients Undergoing Surgery for Hemorrhage Control” Presenter: Justin Dvorak – Case Western Reserve University School of Medicine

Discussant: Matthew Neal

Abstract 07: “Necrotizing Enterocolitis is Associated with Elevated Iron Levels and Toxic Lipid Radicals in Neonatal Intestinal Tissue” Presenter: Grant Gershner (Resident) – The University of Oklahoma Health Sciences

Discussant: Jeff Upperman

Abstract 08: “Race impacts the incidence of complicated appendicitis with abscess in urban populations but not in rural populations”. Presenter: Saba Ilkhani (Resident) – Brigham and Women's, Mass General

Discussant: Heather Evans

Abstract 09: “Quick and Short: The Impact of Time to Surgery and Operative Duration on Infection Risk in Emergency Surgery.” Presenter: Yasmin Arda

Discussant: Robert Sawyer

Abstract 10: “Age is Not an Indication: Antibiotics for Urinary Tract Infections in Geriatric Trauma Patients” Presenter: John Austin (Resident) – University of California, San Diego

Discussant: Dr. Donald E. Fry

5:15pm – 6:15pm Business meeting

DAY 2 – WEDNESDAY 14TH MAY

8:00am – 9:00am Scientific Session III: Oral Presentations 11–15

Moderators: Allison Berndston and Elliot Williams

Abstract O11: “Against Medical Advice but Not Infection: The Readmission Ramifications of Leaving AMA after Trauma Care.” Presenter: Fabiana Sanchez – Washington University St. Louis

Discussant: TBD

Abstract O12: “The Impact of Chronic Steroids on Post-Operative Infectious Complications in Emergency versus Elective General Surgery; a Nationwide Analysis.” Presenter: Josip Plascevic

Discussant: TBD

Abstract O13: “Characterizing Cytokine Profile for Enhancement of Early Prediction of Burn-Induced Sepsis.” Presenter: Zachary Ricciutti – Hamilton Health Sciences, McMaster University

Discussant: Jeff Schupp

Abstract O14: “Pathogen-induced coagulopathy: the role of pathogen-derived virulence factors in the development of clinically significant coagulopathy.” Presenter: Jessica Cao (Resident, Sawyer award) – University of Chicago

Discussant: Kevin Mollen

Abstract O15: “Role of Antifungals in Gastrointestinal Perforations due to Penetrating Trauma: A Subgroup Analysis of the FUNGUS Multicenter Trial.” Presenter: Vahe Panossian (Resident Award) – University California San Francisco

Discussant: Patricia Martinez-Quinones

9:00am – 10:00am A Path Toward Precision Medicine for Sepsis

Moderators: Marc Jeschke, TBD



Laurie Kilpatrick



Gary An



Isaiah Turnbull

10:00 am – 10:15am Break

10:15am – 11:15am Translating Back to the Bedside

Updates of Guidelines from Therapeutics and Guidelines committee

“Commercialization and innovation in sepsis care – translating from the bench to the bedside.”

Presenter: Dr. Younger

Updates of Guidelines from Therapeutics and Guidelines committee

“Surgical Infection Society Guidelines for Use of Antimicrobial Coated Suture to Reduce the Risk of Surgical Site Infection after Abdominal Surgery.” Presenter: Joe Forrester

“Surgical Infection Society Guidelines on the Prevention and Management of Pediatric Intra-Abdominal Infection: 2025 Update.” Presenter: Jared Huston

DAY 2 – WEDNESDAY 14TH MAY

11:15am – 12:00pm Stanford and Louise Blake Lectureship

Moderators: David Blake, TBD

“Care of surgical Infections in the Austere environment.” Presenter: TBD

Abstract MO39: “Antibiotic Guidance in Open Pelvic Fractures: Beyond Gustilo Anderson.” Presenter – Andrea Gochi

12:00pm – 1:00pm Lunch

1:00pm – 2:00pm Scientific Session IV: Oral Presentations 16–20

Moderators: Brett Tracy & Jessica Weaver

Abstract O16: “Malnutrition in Emergency General Surgery Patients: Does Its Impact Differ by Procedural Risk Level?” Presenter: Manuel Castillo-Angeles (Resident)

Discussant: Lewis Kaplan

Abstract O17: “Microbiota Transplant Therapy Significantly Reduces Pathogenic Intestinal Bacteria Following Colorectal Surgery.” Presenter: Alexander Troester

Discussant: John Alverdy

Abstract O18: “Did we cause that colon surgical site infection (SSI) or was it PATOS (present at time of surgery)?” Presenter: Lillianne Stanitsas

Discussant: Kellie Cunningham

Abstract O19: “Antibiotic Stewardship in Acute Appendicitis.” Presenter: Abby Gross

Discussant: Dalya Ferguson

Abstract O20: “Emergency Cesarean Section Preoperative Antibiotic Prophylaxis: Opportunities for improvement.” Presenter: Gabriela Cortese (Non-Doctoral) – Denver Health Medical Center, University of Colorado School of Medicine

Discussant: Nichole Starr

2:00pm – 3:00pm Altemeier Address

Title TBD



Speaker TBD

3:00pm – 3:15pm Break

DAY 2 – WEDNESDAY 14TH MAY

3:15pm – 4:15pm Scientific Session V: Oral Presentations 21–25

Moderators: [Rondi Gelbard](#) and [Sabrina Sanchez](#)

Abstract O21: “The Impact of Immunosuppressive Therapy in Outcomes following Emergency General Surgery: A Nationwide Analysis.” Presenter: Manuel Castillo-Angeles

Discussant: Anton Kelly

Abstract O22: “A Comparison of Survivors and Non-Survivors of Burn-Related Sepsis.” Presenter Maria Fernanda Hutter

Discussant: Lauren Nosanov

Abstract O23: “Are Fewer Damage Control Laparotomies Associated with a Decrease in the Rate and Severity of Surgical Site Infections?” Presenter: Stephanie Martinez Ugarte

Discussant: TBD

Abstract O24: “When Meth Meets MRSA – Challenges in Treating Skin and Soft Tissue Infections.”

Presenter: TBD

Discussant: TBD

Abstract O25: “Use and reporting of statistics and statistical methods in the Surgical Infections Journal.”

Presenter: Matthew Kwasnik (Non-Doctoral Award) – Brown University

Discussant: Jeff Claridge

4:20pm – 5:20pm Mini-Oral Session V

Moderators: [April Mendoza](#) & TBD

Abstract MO42: “Microbial Profile and Antibiotic Sensitivity in Obstructive Jaundice: Insights from a Single-Center Study.” Presenter: Hana Ayu Shafira

Abstract MO43: “Instillation negative pressure wound therapy (NPWTi) for open abdomen (OA) management in complicated intra-abdominal infections (cIAI): A literature review.” Presenter: Karina Tarayona (Resident)

Abstract MO44: “A Series of Soft Tissue Infections due to the Rare Pathogen Myroides.” Presenter: Aaron George

Abstract MO45: “Ascariasis during corrective Roux-en-Y hepaticojejunostomy.” Presenter: Cristina Botero Fonnegra

Abstract MO46: “Eubacterium limosum: an elusive pathogen causing surgical infections.” Presenter: Hugo Bonatti

Abstract MO47: “A rare case of melioidosis presenting as myositis in Sri Lanka.” Presenter: Sanura Vithana (Resident, New Member)

Abstract MO48: “Possibilities of controlled laparotomy in the treatment of widespread purulent peritonitis complicated by abdominal sepsis.” Presenter: Alisher Okhunov

Abstract MO49: “Rare in the Air: Disseminated Coccidiomycosis in an Immunocompetent Patient.” Presenter: Nicole Siparsky

Abstract MO50: “Necrotizing fasciitis - a model of an extreme condition in clinical practice.” Presenter: Alisher Okhunov

DAY 2 – WEDNESDAY 14TH MAY

4:20pm – 5:20pm Mini-Oral Session VI

Moderators: Chris Guidry and Andrew Stephen

Abstract MO51: “Damage Control Packing: How Long Can It Stay?” Presenter: Jihun Cha

Abstract MO52: “Preventing Surgical Site Infections with Intradermal Antibiotics.” Presenter: Dow Stough (New Member)

Abstract MO53: “Severe Group A Streptococcal Toxic Shock Syndrome after Total Thyroidectomy.” Presenter: Sarah Lucente

Abstract MO54: “NPWT Management of Burst Abdomen in Pancreatic Juice Leak Following Distal Pancreatectomy Complicated by Tuberculosis.” Presenter: Indah Jamtani

Abstract MO55: “Necrotizing Fasciitis Associate with Small Bowel Perforation During Liposuction and Brazilian Butt Lift.” Presenter: Michael Cooper

Abstract MO56: “Treating abdominal surgical site infection using NPWT in Abdominal Tuberculosis Patient: A case report.” Presenter: Perwira Widiyanto (New Member)

Abstract MO57: “Championing Sterilization and Disinfection: The Surgeon’s Critical Role in Assuring the Delivery of Quality Instruments to the Sterile Field.” Presenter: James David

Abstract MO59: “Surgical Site Infections in Pediatric Patients with Diabetes Mellitus.” Presenter: Amira Elfergani (New Member)

Abstract MO60: “Utility of a C-Reactive Protein (CRP) Declination Curve for Detecting Misadventure after Enterocutaneous FistulaTakedown.” Presenter: Renceh Flojo

6:30pm – 8:30pm Banquet and Awards Ceremony

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