PROGRAM

Thirty-Ninth Annual Meeting of the Surgical Infection Society

Coronado, CA
June 5-8, 2019
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 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 24.50 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 18.75 credits meet the requirements for Self-Assessment.

Disclosure Information
In compliance 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 has disclosed all relevant financial relationships with any commercial interest. All reported conflicts are managed by a designated official to ensure a bias-free presentation. Please see the insert to this program for the complete disclosure list.
Commercial Support Acknowledgement
The Surgical Infection Society wishes to recognize and thank the following companies for their ongoing commercial support:

Platinum:
Merck

Commercial Promotion Acknowledgement
The Surgical Infection Society wishes to recognize and thank the following companies for their ongoing meeting support:

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**SURGICAL INFECTION SOCIETY THIRTY-NINTH ANNUAL MEETING**  
**Coronado, California, June 5-8, 2019**

### Wednesday, June 5, 2019

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<th>Time</th>
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<tr>
<td>12:00-18:00</td>
<td>Registration</td>
<td>Commodore Foyer</td>
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<tr>
<td>12:30</td>
<td>Council Lunch</td>
<td>Constellation A</td>
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<tr>
<td>12:30-13:30</td>
<td>Executive Council Meeting</td>
<td>Constellation A</td>
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<tr>
<td>13:30-16:30</td>
<td>Council Meeting</td>
<td>Constellation A</td>
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<td>Nominating Committee met by Phone 2/19</td>
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<tr>
<td>18:00</td>
<td>Buses Depart for President’s Dinner</td>
<td>Hotel Lobby</td>
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<tr>
<td>18:30-21:00</td>
<td>President’s Dinner (<em>By invitation</em>)</td>
<td>Herb &amp; Wood</td>
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### Thursday, June 6, 2019

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<tr>
<th>Time</th>
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<th>Location</th>
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<tbody>
<tr>
<td>06:30-07:15</td>
<td>Breakfast  Scientific Studies MCT Info Session</td>
<td>Commodore E</td>
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<tr>
<td>06:30-07:15</td>
<td>Awards Committee Meeting</td>
<td>Constellation B</td>
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<tr>
<td>07:15-07:30</td>
<td>Welcome - President May, Recorder Evans</td>
<td>Commodore ABCD</td>
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<tr>
<td>07:30-12:15</td>
<td>OPENING SYMPOSIUM</td>
<td>Commodore ABCD</td>
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<tr>
<td>07:30-07:35</td>
<td>Introduction to the Symposium (Evans)</td>
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<td>07:35-09:15</td>
<td>Patient Generated Health Data and Surgical Site Infection</td>
<td>Commodore ABCD</td>
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<td>07:35-07:45</td>
<td>The current state of mHealth apps for SSI detection: a CDC-sponsored Health Technology Assessment (<em>Sheri Chernetisky Tejedor, MD</em>)</td>
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<td>Artificial intelligence data methods for surgical site infection detection and monitoring (<em>Aven Samareh</em>)</td>
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<td>Patient generated health data: how will imaging change the definition of SSI? (<em>Rob Sawyer, MD</em>)</td>
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<td>09:15-10:45</td>
<td>Global Health</td>
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<td>09:15-09:45</td>
<td>&quot;Surgical Infections and Global Health: from neglect to emerging frontier&quot;</td>
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<td>Invited Speaker: Emmanuel A. Ameh, MBBS, FWACS, FACS. National Hospital Nigeria</td>
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09:45-10:15  **Pro-Con Debate**  *Task sharing in surgery improves capacity and does not compromise surgical care.* Speakers: Jennifer Rickard, MD, University of Minnesota and Julie Valenzuela, MD, Vanderbilt University

10:15-10:45  “Raising the Bar for Global Health" - Thomas Weiser, MD, MPH, Stanford University

11:00-12:15  **Year in Review**
*Moderator: Daniel Dante Yeh, MD*

11:00-11:20  **Clinical review - Rishi Rattan**

11:20-11:40  **Translational review - April Mendoza**

11:40-12:00  **Basic Science review - Elliott Williams**

12:00-12:10  Discussion

12:15-13:30  **LUNCHEON SYMPOSIUM**
*Commodore E*
*(This session made possible by a Grant from Merck; not part of scientific program)*

**Update on Pneumonia:**
*Kamal Itani: The Scope of the Problem*
*Fred Pieracci: Treatment of Pneumonia*
*Lillian Kao: Case Presentation*

13:30-17:00  **Top Papers**  *(10 min presentation/10 minute discuss)*

**The Art and Science of Surgical Infections** *(Papers 1-10)*
*Moderators: Addison K. May, MD and Greg Beilman, MD*

**O1.** Preoperative Dietary Rehab Reduces the Risk of Lethal Gut Derived Sepsis. Robert Keskey (Resident Award) presenting. University of Chicago. *Discussant: William Cheadle, MD*

**O3.** Spatially nested pathobionts in cecal crypts as a potential source of sepsis. Olga Zaborina presenting. University of Chicago. *Discussant: Michaela West, MD, PhD*

**O4.** An Adaptive Surgical Infection Prevention Program in Ethiopia Improves Quality and Reduces Postoperative Infections. Jared Forrester (Resident Award) presenting. Stanford University. *Discussant: Greg Beilman, MD*

**O5.** Following Feline Sarcoma Related (FER) Kinase in Immune Cells during Klebsiella Pneumonia (PNA). Vladislav Dolgachev presenting. University of Michigan. *Discussant: John Mazuski, MD, PhD*

**O6.** Intestinal Microbiota And Butyrate Depletion Drive Gut-Derived Infections In Necrotizing Pancreatitis. Fons van den Berg presenting. University of Amsterdam *Discussant: Ori Rotstein, MD*

**O7.** Sepsis-Induced Increases in Inflammatory Mediators Associated with Adipose Tissue Browning in Burn Patients. Carly Knuth presenting. University of Toronto. *Discussant: Nicholas Namias, MD, MBA*

**O8.** Catheter-Associated Urinary Tract Infections Among Trauma Patients: Poor Quality of Care or Marker of Effective Rescue? Husayn Ladhani (Resident Award) presenting. MetroHealth Medical Center. *Discussant: Don Fry, MD*

O10. Cost-Effective Methods of Optimizing Antibiotic Stewardship in Pediatric Non-Complicated Appendicitis. Angela Kao ( Resident Award, New Member) presenting. Carolinas Medical Center. 
**Discussant: Kamal M.F. Itani, MD**

O2. Immunomodulatory Effects of Remote Ischemic Conditioning in Hemorrhagic Shock Patients in a Randomized Controlled Trial. Chung Ho Leung presenting. St. Michael's Hospital. **Discussant: John Alverdy, MD**

17:00-18:00 **Innovation Award Competition**  
*Commodore E*  
*Moderators: Peter A. Burke, MD, Todd W. Costantini, MD, Kamal M.F. Itani, MD, John C. Alverdy, MD and Ori D. Rotstein, MD*

**Robert Sawyer, MD -** Trial planning for STOP IT Implementation Study  
**Lillian Kao, MD -** Alliance for Surgical Site Infections STudies (ASSIST)  
**Haytham Kaafarani, MD -** Using Machine-Learning Optimal Classification Trees and Optimal Prescription Trees to design novel, interactive, and personalized risk-calculators for Emergency and Non-Emergency Surgery

18:00-19:00 **Committee Meetings**  
*Commodore E*  

- **Audit**  
  Manuel Lorenzo, MD, MBA

- **Bylaws & Special Projects**  
  Lillian S. Kao, MD

- **Fellowship**  
  Lewis J. Kaplan, MD

- **Informatics**  
  Jill Cherry, MD

- **Membership**  
  Jeffrey Johnson, MD

- **Program**  
  Heather Evans, MD, MS

- **Scientific Studies**  
  Haytham Kaafarani, MD

- **Strategic Planning**  
  Charles H. Cook, MD

- **Therapeutics & Guidelines**  
  Therese M. Duane, MD

18:00-19:00 **SIS Foundation Board Meeting (By Invitation)**  
Sovereign  
19:00-21:00 **Opening Reception**  
Marina Terrace

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**Friday, June 7, 2019**

07:00-08:00 **Breakfast**  
*Commodore E*

08:00-09:15 **SESSION II** (Papers 11-14)(8min/7min discussion)  
*Commodore ABCD*  
*Moderators: Robert Sawyer, MD and Chris Guidry, MD*

O12. High Tidal Volume Ventilation is Associated with Ventilator-Associated Pneumonia in Acute Cervical Spinal Cord Injury. Gabrielle Hatton (Resident Award, New Member) presenting. UT Health. *Discussant: Laura Kreiner, MD*


09:15-9:30  **BREAK-Visit the Exhibits**  Commodore Foyer

9:30-10:45  **SESSION III** (Papers 15-18)(8min/7min discussion)  Commodore ABCD

**Moderators:**  *Jeff Claridge, MD and David Blake, MD*

O15. Comprehensive improvement of infection prevention practices in Ethiopia: Further refining the Lifebox Clean Cut program. Nichole Starr (Resident Award, New Member) presenting. University of California, San Francisco. *Discussant: Julie Valenzuela, MD*


O17. Risk of Surgical Site Infection in Exploratory Laparotomy. Erin Andrade (Resident Award) presenting. Washington University in St. Louis. *Discussant: Theodore Delmonico, MD*


10:45-11:45  **Surgical Infection Society Presidential Address**  Commodore ABCD

*“Serendipity”*

*Gregory J. Bellman, MD*

University of Minnesota

12:00-13:15  **LUNCHEON SYMPOSIUM II**  Commodore E

*Tetraphase-Don Fry/Vanessa Ho*  
(Industry-sponsored; not part of scientific program)

13:30-15:00  **SESSION IV** (Papers 19-23)(8min/7min discuss)  Commodore ABCD

**Moderators:**  *Lewis Kaplan, MD and Lillian Kao, MD*

O19. Trauma Center Ratings in Hospital Compare: Poor Performance or Biased Modeling? Brian Young (Resident Award, Sawyer Award Winner 2019) MetroHealth Medical Center. *Discussant: George Maish, MD*
O20. Primary and Secondary Empyema have distinct bacterial pathogens: implications for empiric antibiotic treatment. Sudershana Srinivasan, Presenting. University Hospitals Cleveland Medical Center. Discussant: Chaitan K. Narsule, MD


15:00-15:15  BREAK-Visit the Exhibits  Commodore Foyer

15:15-16:30  SESSION V  (Papers 24-27)(8min/7min discuss)  Commodore ABCD

Moderators: Therese Duane and Jared Huston, MD


O26. The usefulness of subjective vs objective factors in predicting postoperative complications after appendectomy. Andrew Vallejo presenting. Boston University School of Medicine. Discussant: Kevin Mollen, MD

O27. The Influence of the STOP-IT Trial on Antibiotic Prescribing in the ICU. Max Kopitnik, presenting. OhioHealth Riverside Methodist Hospital. Discussant: Patrick Jon O'Neill, PhD, MD

16:30-17:00  New Member Initiation Certificate Ceremony  Commodore ABCD
17:00-18:00  Annual Business Meeting (Members only)  Commodore ABCD
18:00-18:15  Council Meeting #2  Commodore ABCD
18:30-19:15  Surgical Infections Editorial Reception (By Invitation)  Sunset Terrace

Saturday, June 8, 2019

06:30-07:30  Breakfast Symposium AKPA
(Industry-sponsored; not part of scientific program)  Commodore E

SIS 2019
07:30-09:30  **Mini Oral SESSIONS**

07:30-08:30  **Soft Tissue and Extremity Infections Part 1 (8)**  

**Aurora**  
**Moderators:** Laura Kreiner, MD and George O. Maish III, MD

**P01.** Obesity Paradox in patients with necrotizing soft tissue infections: A Validation Study. Ricardo Fonseca presenting. Washington University in St. Louis. **Discussant: Jeff Claridge, MD**

**P02.** Methicillin Resistance Does Not Impact Disease Severity in S. aureus Necrotizing Soft Tissues Infection. Alexis L. Woods, presenting. UCLA. **Discussant: Isaiah Turnbull, MD**

**P03.** The impact of culture site on length of stay among burn patients. Sarah Rehou, presenting. Sunnybrook Health Sciences Centre. **Discussant: Lauren Moffatt, PhD**

**P04.** Hypoalbuminemia is Not a Predictor of Mortality in Patients with Necrotizing Soft Tissue Infections. Manuel Castillo-Angeles, presenting. Brigham and Women's Hospital. **Discussant: Jeff Johnson, MD**

**P05.** Prevalence and Predictors of Opioid Prescription at Discharge after Necrotizing Soft Tissue Infections (NSTIs). Manuel Castillo-Angeles, presenting. Brigham and Women's Hospital. **Discussant: Manny Lorenzo, MD**

**P06.** A Randomized, Controlled Trial on the Efficacy of Perioperative Antibiotics in Grafting After Thermal Injury. Robert Ball, presenting. MedStar Washington Hospital Center. **Discussant: Jong Lee, MD**

**P07.** Risk Factors Associated with Readmission following Surgical Management of Necrotizing Soft Tissue Infections. Hayoung Park, presenting. Harbor-UCLA Medical Center. **Discussant: Grant Bochicchio, MD**

**P08.** The susceptibility of sporadic nonpuerperal breast infections: a changing epidemiologic distribution! Morgan Lane, presenting. University of South Carolina. **Discussant: Tara Huston, MD**

08:30-09:30  **Trauma (7)**  

**Aurora**  
**Moderators:** Laura Kreiner, MD and George O. Maish III, MD

**P09.** Adding Infectious Insult to Traumatic Injury in End-of-Life Discussions. Elizabeth Tindal, presenting. Brown University/Rhode Island Hospital. **Discussant: Laura Kreiner, MD**

**P10.** Temporary Abdominal Closure is Associated with Increased Risk for Fungal Intraabdominal Infections in Trauma Patients. Christina X Zhang, presenting. SUNY Downstate Medical Center. **Discussant: Rishi Rattan, MD**

**P11.** The effect of traumatic brain injuries on the development of pneumonia in the critically ill patient. Patrick Knight, presenting. Western Michigan University Homer Stryker M.D. School of Medicine. **Discussant: Felicia Williams, MD**

**P12.** Direct peritoneal resuscitation in trauma patients results in similar rate of intra-abdominal infectious complications. Jacob Edwards, presenting. The Brody School of Medicine at East Carolina University. **Discussant: Reza Askari, MD**

P14. Differential long term survival following decortication for empyema and non-infectious etiologies. Christopher Towe, presenting. University Hospitals Cleveland Medical Center. Discussant: Jared Huston, MD


07:30-08:30 Case Reports, Case Series (7) Lenore
Moderators: Donald E. Fry, MD and Fredric M. Pieracci, MD, MPH


P20. Intraperitoneal Extra-Intestinal Clostridium Difficile: A Rare Case. Serena Murphy, presenting. University of Vermont Medical Center.


08:30-09:30 Bugs and Drugs (9) Lenore
Moderators: Donald E. Fry, MD and Fredric M. Pieracci, MD, MPH

P23. Microbiology and outcomes of hospitalization with intra-abdominal infections in the US: A retrospective cohort study. Andrew Shorr, presenting. Washington Hospital Center. Discussant: Jeffrey Tessier, MD


P27. Is a shorter duration of antibiotic therapy associated with more resistant secondary infections? Cole Kircher, presenting, Western Michigan University Homer Stryker M.D. School of Medicine. *Discussant: Lewis Kaplan, MD*

P28. Efficacy of Eravacycline in Non-Appendiceal Complicated Intra-Abdominal Infections: An Analysis of Two Phase 3 Trials. Vanessa Grant-DiFelice, presenting. Tetraphase Pharmaceuticals *Discussant: Donald E. Fry, MD*


P30. Increased disease severity in patients with appendicitis who grow Streptococcus anginosus. Laura E. Baumann, presenting. Dartmouth-Hitchcock Medical Center. Discussant: Dante Yeh, MD

P31. Microbial Epidemiology of Acute and Perforated Appendicitis in Adults Treated with Appendectomy or Percutaneous Drain. Sinong Qian, presenting. University of Miami. *Discussant: Rob Sawyer, MD*

07:30-08:30  **Transplant, Immunology and Critical Care (8)**  Britannia

**Moderators:** Todd W. Costantini, MD and Joseph F. Golob Jr., MD


P34. Infection-related Hospital Readmissions after Heart Transplantation. Rishi Rattan, presenting. University of Miami. *Discussant: Addison May, MD*


P36. Acute inflammation induced coagulopathy (AIIC) is a/w an increase in mortality in patients with acute pancreatitis. Rohit Rasane, presenting. Washington University in Saint Louis. *Discussant: Jose J. Diaz, MD*

P37. Heart rate variability in human endotoxemia as potential marker for immune response using a practical wearable device. Mats Koeneman, presenting. Radboud University Medical Center. *Discussant: Sharven Taghavi, MD*


08:30-09:30 Soft tissue and extremity infections 2 (7) Britannia
Moderators: Todd W. Costantini, MD and Joseph F. Golob Jr., MD


P42. The Revolving Door of Hospital Admissions for Diabetic Foot Infections In The United States. Rishi Rattan, presenting. University of Miami. Discussant: Amani D. Politano, MD

P43. Is Initial Management of Morel-Lavallee Lesions Associated with Subsequent Infection? Shuyan Wei, presenting. University of Texas Health Science Center at Houston. Discussant: E. Patchen Dellinger, MD

P44. The Costs and Complications Associated with Infected Ventral Hernia Repair Mesh. Margaret Plymale, presenting. University of Kentucky. Discussant: Manuel Lorenzo, MD, MBA


P46. Surgical outcomes in Patients with Late Debridement of Long Bone Fractures of Lower Extremities in Penetrating Injury. Stuart Campbell, presenting. Jersey Shore University Medical Center. Discussant: Rondi Gelbard, MD

07:30-08:30 Acute Care Surgery (10) Cambria
Moderators: Charles H. Cook, MD and Vanessa P. Ho, MD, MPH

P47. Association between hollow viscus injury and invasive candidiasis in critically ill trauma patients. Mehreen Kisat, presenting. Brigham and Women’s Hospital. Discussant: John M. Davis, MD


P51. Oncologic colorectal surgery and concomitant inflammatory bowel disease: NSQIP analysis of C. Diff infection. Georgina Alizo, presenting. University of South Carolina. Discussant: Mike K. Liang, MD


P53. Prophylactic Drainage After Appendectomy for Perforated Appendicitis in Adults. Sinong Qian, presenting. University of Miami. Discussant: Sebastian Schubl, MD


P56. Robotic Cholecystectomy in Acute Care Surgery—More Money, Less Problems? Kirollos Malek, presenting. Loma Linda University Medical Center. Discussant: Heather L. Evans, MD, MS, FACS


08:30-09:30 Quality Improvement (8) Cambria

Moderators: Charles H. Cook, MD and Vanessa P. Ho, MD, MPH

P58. The Impact of Surgical Care Improvement Project Compliance on Surgical Site Infection in a Trauma Population. Adel Elkbuli, presenting. HCA Healthcare. Discussant: Philip S. Barie, MD


P60. Intraoperative enteral nutrition does not increase the incidence of aspiration pneumonia in adult burn patients. Julia Cartwright, presenting. University of Michigan. Discussant: Margaret Lauerman, MD


P63. Preliminary Outcomes of Perioperative Glucose Management in Elective Surgical Patients at a Community Hospital. Abdel Salous, presenting. Sinai Hospital of Baltimore. Discussant: Jose J. Diaz, MD


P65. Reducing Surgical Site Infections in C-Section Using a Novel Silver-Plated Dressing. Sue Grant, presenting. Wellspan Good Samaritan. Discussant: Howard Belzberg, MD

09:30-09:45  BREAK–Visit the Exhibits  

09:45-11:30  Scientific Session VI - Focused Paper Presentations  (Papers 28-34) Commodore ABCD  
(8min/7min discuss)  
Moderators: Alfred Ayala, PhD and Daithi S. Heffernan, MD, AFRCSI

O28. Transcriptomic profiles of patients’ peroperative samples developing colorectal anastomotic leak show distinct signature. Jasper van Praagh presenting. University of Groningen, University Medical Center Groningen. Discussant: Todd W. Costantini, MD

O29. Notch signaling is protective in CD4+ T cells against apoptosis via negative regulation of STING signaling pathway. Chenxuan Yang presenting. University of Pittsburgh. Discussant: Daithi Heffernan, MD

O30. STING-mediated intestinal barrier dysfunction contributes to lethal sepsis. Qiong-yuan Hu presenting. Jinling Hospital. Discussant: Robert Sawyer, MD

O31. Localization of staphylococcal superantigens in solid organs of rats with infected burn wounds. Gaurav Garg (Resident Award) presenting. The Burn Center, MedStar Washington Hospital Center. Discussant: Tina Palmieri, MD

O32. Synovial Fluid has Antibacterial Effects. Samy Gabriel presenting. University of Florida. Discussant: Elizabeth Fox, MD

O33. Machine learning for predicting pathogenic organisms in bacterial infection based on Gram Stain images. Kensuke Minami (Resident Award) presenting. Osaka General Medical Center. Discussant: Gary An, MD

O34. Manuka honey microneedles for enhanced wound healing and the prevention and/or treatment of MRSA surgical site infection. Galit Frydman presenting. Massachusetts Institute of Technology. Discussant: Isaiah R. Turnbull, MD, PhD

11:30-11:45  FELLOWSHIP AWARD RECIPIENT PRESENTATIONS  
Moderators: Philip S. Barie, MD, MBA and Peter Burke, MD

SIS Foundation Basic or Translational Research Training Fellowship-2018  
Elliot Williams, MD  
University of California – San Diego
SIS Foundation Clinical Research Training Fellowship-2018  
Hunter Moore, MD, PhD  
University of Colorado

SIS Foundation Junior Faculty Fellowship-2017-2019  
Isaiah Turnbull, MD  
Washington University School of Medicine

11:45-13:00 LUNCHEON SYMPOSIUM III AKPA  
Steve Opal, MD Speaking  
(Industry-sponsored; not part of scientific program)  
Commodore ABCD

13:00-14:00 William A. Altemeier Memorial Lecture  
Commodore ABCD

“Critical Care Research in the Age of Electronic Medical Records”  
Gordon R. Bernard, M.D.  
Executive Vice President for Research and  
Chief Research Officer, Vanderbilt University Medical Center

14:00-15:15 TRANSLATIONAL SYMPOSIUM  
Translational Update 2019  
Commodore ABCD

Moderators: Tina Palmieri, MD and Phil Efron, MD.

The challenges of undertaking basic science research in under-developed countries - Jared Forrester, MD  
Advancing technologies in the diagnosis of sepsis - Elizabeth Fox, MD  
Burns: From bench to bedside and back again - Tina Palmieri, MD  
Chronic critical illness as the new sepsis paradigm - Phil Efron, MD

15:15-15:30 BREAK  
Commodore Foyer

15:30-17:00 Pro-Con Debates: Ethics in Surgical Infections Research  
Commodore ABCD

Moderators: Fred Pieracci, MD

DEBATE #1: Opt-in, opt-out  
Pro: The SIS should pursue a multicenter “opt-out” system for automatic subject enrollment into time sensitive trials of surgical infections.  
Speaker: Addison May (15:30 - 15:38)  
Con: “opt-out” research programs violate patient autonomy and should not be implemented.  
Speaker: Greg Beilman (15:38 - 15:44)  
Discussion: 15:44 - 15:50

DEBATE #2: Who pays for it?  
Pro: Patients randomized to surgery vs. non-operative intervention should pay the costs of their treatment arm, whichever it may be.  
Speaker: Fred Pieracci (15:50 - 15:58)  
Con: Patients randomized to surgery vs. non-operative intervention should not have to pay the costs of their treatment arm, whichever it may be.  
Speaker: Vanessa Ho (15:58 - 16:06)
Discussion: 16:06 - 16:12

**DEBATE #3: Open Access journals**
Pro: We should embrace Open Access journals as the future of scientific publishing
Speaker: *Donald Fry* (16:12 - 16:20)
Con: Open Access journals are predatory and dilute the quality of scientific reporting
Speaker: *Phil Barie* (16:20 - 16:28)
Discussion: 16:28 - 16:34

**Debate #4: Show me the $$$**
Pro: The majority of funding should go to basic science research
Speaker: *Jared Huston* (16:34-16:42)
Con: The majority of funding should go to clinical research
Speaker: *Jeff Shupp* (16:42 – 16:50)
Discussion: (16:50 – 16:56)

17:00-18:00  **Shock Society Presidential Address**  
“Resilience-how to succeed when you fail”  
Marc G. Jeschke, MD, PhD  
Sunnybrook Research Institute  
Commodore ABCD

18:00-19:00  **Combined Reception for Both Societies**  
Bay Terrace

19:00-21:00  **Awards Banquet: Shock Members Invited**  
(Tickets May Be Purchased if Not Registered for SIS)  
Commodore E

21:00  **ADJOURNMENT**