

PROGRAM

The 30th Annual Meeting of the Surgical Infection Society



**Las Vegas, Nevada
April 17th – 20th, 2010**

Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship 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.

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AMERICAN COLLEGE OF SURGEONS, DIVISION OF EDUCATION

**SURGICAL INFECTION SOCIETY
30TH ANNUAL MEETING
Las Vegas, Nevada
APRIL 17 – 20, 2010**

Saturday, April 17, 2010

11:00 - 12:00	Committees Informatics Fellowship and Awards Scientific Studies	Desert Willow Foyer Acacia Foyer Ballroom Foyer
12:00 – 13:00	Council Lunch	Mesquite 2
13:00 - 17:00	SIS Council Meeting	Mesquite 1
17:00 – 18:00	Nominating Committee	Mesquite 1
19:00 – 21:30	President’s Dinner <i>(by invitation)</i>	Mesquite 1-2

Sunday, April 18, 2010

06:30-07:45 AM SUNRISE SYMPOSIUM Ballroom 3-4

APEX

IDSA Guidelines for Antibiotic Stewardship and Bad Bugs No Drugs ESKAPE

08:00-12:00 Surgical Infections Symposium: Annual Update Ballroom 1-2
Moderator: Robert G. Sawyer, MD

8 :00 - 8:05	Welcome: Robert G. Sawyer, MD
8:05 - 8:30	ChloraPrep and SSI Prevention: Clinical Trial Results. Kamal Itani, MD
8:30 - 9:55	What is the Best Strategy in Recurrent or Persistent <i>C. difficile</i> Infection? Christine S. Cocanour, MD
9:55 - 9:20	Prevention of Hospital-Acquired Infections by Selective Digestive Decontamination. R. Lawrence Reed, MD
9:20-9:45	ECMO and Acute Lung Injury in Adults: Is there an Indication? Kristen Sihler, MD
9:45 - 10:00	Discussion

10:00 - 10:15 Break

10:15 - 10:40 What’s New in Diverticulitis? Gregory J. Beilman, MD

10:40 - 11:05 Skin and Soft Tissue Infections - The New SIS Guidelines – Addison K. May, MD
11:05 - 11:30 New Therapies in Treatment of Necrotizing Soft Tissue Infections- Matthew R. Rosengart, MD
11:30 – 11:45 Discussion

11:45 Closing Remarks

12:00-13:30 LUNCHEON SYMPOSIUM I Ballroom 3-4

A Mechanistic Approach to Reducing the Risk Factors of Surgical Site Infections.

Moderator: E. Patchen Dellinger, M.D.

Evidence-based role of the SCIP initiative to improve surgical outcomes. Robert G. Sawyer, M.D.

Reducing the Risk of SSI:

Is there a Role for Innovative Technology to Improve Patient Outcomes? Charles E. Edmiston Jr., PhD

13:30-16:00 PLENARY SESSION Ballroom 1-2
The Art and Science of Surgical Infections (Papers 1-8)

Moderators: Lena M. Napolitano, MD Henri R. Ford, MD, MHA

1. MAINTENANCE OF THE GUT EPITHELIAL BARRIER VIA VAGAL NERVE STIMULATION PROTECTS AGAINST SECONDARY PULMONARY INJURY AFTER THERMAL INJURY

Michael J. Krzyzaniak, MD, Carrie Y. Peterson, MD, William H. Loomis, BS, James G Putnam, BS, Vince Kennedy, Vishal Bansal, MD, Brian Eliceri, PhD, Andrew N. Baird PhD, Raul Coimbra MD, PhD* –
University of California at San Diego

Discussant: Basil A. Pruitt Jr., MD

2. DELAY OF ELECTIVE SURGERY FOR HIGH VOLUME PROCEDURES: THE IMPACT ON INFECTIOUS COMPLICATIONS.

Todd R. Vogel, MD, MPH, Viktor Y. Dombrovskiy MD, MPH, PhD, Stephen F. Lowry, MD, MBA* -
UMDNJ-Robert Wood Johnson Medical School

Discussant: E. Patchen Dellinger, MD

3. THE ROLE OF DENDRITIC CELLS IN ENTEROBACTER SAKAZAKII INDUCED DISRUPTION OF THE EPITHELIAL CELL BARRIER: IMPLICATIONS FOR THE PATHOGENESIS OF NEC.

Claudia N. Emami, MD, Rahul Mittal, PhD, Prasad Rao V. Nemani, PhD, Henri R. Ford, MD, MHA* -
Childrens Hospital Los Angeles, USC Department of Surgery

Discussant: William Cioffi, MD

4. URINARY TRACT INFECTIONS SIGNIFICANTLY WORSEN OUTCOMES IN TRAUMA PATIENTS; AN ANALYSIS OF 8,841 PATIENTS

Sean F. Monaghan, MD, Daithi S. Heffernan, MD*, Rajan K Thakkar, MD, Steven E. Reinert, Jason T. Machan, PhD, Shea Gregg, MD, Matthew S. Kozloff, MD, Michael D. Connolly, MD, Charles A. Adams, MD, William G Cioffi, MD* - Brown University, Rhode Island Hospital

Discussant: John C. Marshall, MD

5. TLR4 INDUCED AUTOPHAGY INCREASES BACTERIAL INTERNALIZATION BY ENTEROCYTES

Matthew D. Neal, MD, Chhinder P. Sodhi, PhD, Ward M. Richardson MD, Amin Afrazi, BS, Richard Siggers, PhD, David J. Hackam, MD, PhD* - Division of Pediatric Surgery, Department of Surgery, University of Pittsburgh Medical Center

Discussant: Henri Ford, MD

6. PROPHYLACTIC ANTIBIOTIC DAYS AS A PREDICTOR OF SENSITIVITY PATTERNS IN ACINETOBACTER PNEUMONIA

Parth B. Amin, MD, Louis J. Magnotti, MD, Peter E. Fischer, MD, Martin A. Croce, MD*, Timothy C. Fabian, MD* - Presley Trauma Center, University of Tennessee Memphis

Discussant: Lena M. Napolitano MD

7. EVIDENCE THAT LETHAL GUT- DERIVED SEPSIS DUE TO CANDIDA ALBICANS IN MICE IS DEPENDENT ON THE LOCAL CONCENTRATION OF PHOSPHATE

Kathleen S. Romanowski, MD, Alex Zaborin, PhD*, Vesta Valuckaite, MD, Trissa A. Babrowski, MD, David Fink, MD, Irina Morozova, MS, Donald C Liu, MD, PhD, Jeffery B. Matthews, MD, Olga Zaborina PhD*, John C. Alverdy, MD* - University of Chicago

Discussant: Pamela A. Lipsett, MD

8. THE PRESENCE OF SPECIFIC BACTERIAL ORGANISMS PREDICTS MORTALITY IN PATIENTS WITH INTRA-ABDOMINAL INFECTIONS

William H. Leukhardt, MD, Jeffrey W. Carter, MD, Manjunath Haridas, MD, Tazo S. Inui, MD, Mark A. Malangoni, MD*, Jeffrey A. Claridge, MD, MS*- MetroHealth Medical Center

Discussant: Roger W. Yurt, MD

16:00-16:15

FELLOWSHIP AWARDS PRESENTATIONS

Ballroom 1-2

Introduction by Craig Coopersmith, MD – Emory University, Atlanta, GA

16:15 – 17:00

ALTEMEIER LECTURE

Ballroom 1-2

Epigenetic Regulation of the Immune Cell Phenotype during Severe Sepsis

Steven L. Kunkel, PhD

Professor of Pathology

Senior Associate Dean for Research,

Endowed Professor of Pathology Research and

Co-Director, Division of Sponsored Programs

University of Michigan Medical School and Health System

Ann Arbor, Michigan

Introduction by *Lena M. Napolitano MD*
University of Michigan, Ann Arbor, Michigan

17:30 – 18:15 SURGICAL INFECTION EDITORIAL BOARD RECEPTION	Desert Willow
<i>By Invitation Only</i>	
18:15 - 19:00 SURGICAL INFECTION SOCIETY FOUNDATION MEETING	Desert Willow
18:00-20:00 WELCOME RECEPTION	Poolside
20:00-22:00 DONOR RECOGNITION DINNER	Offsite
<i>By Invitation Only</i>	

MONDAY, April 19th, 2010

06:30-07:45 AM SUNRISE SYMPOSIUM Ballroom 3-4
A High Stakes Game: Beating the Odds against MRSA in Surgical Infections

Moderators: Lena Napolitano, MD
Faculty: Philip S. Barie, MD, MBA---Donald Fry, MD

08:00-10:30 AM PARALLEL SESSION I Acacia 1
Fundamental Mechanisms of Surgical Infection (Papers 9 – 16)

Moderators: Stephen F. Lowry, MD, MBA William G. Cheadle, MD

9. VAGAL NERVE STIMULATION MODULES INTESTINAL TIGHT JUNCTION PROTEIN EXPRESSION THROUGH THE ACTIVATION OF ENTERIC GLIA CELLS

Todd W. Costantini, MD, Carrie Y. Peterson, MD, James G. Putnam, BS, William H. Loomis, BS, Seok Yong Ryu, MD, PhD, Vishal Bansal, MD, Raul Coimbra, MD, PhD* - University of California, San Diego School of Medicine

Discussant: John C. Alverdy, MD

10. INTESTINAL PHOSPHATE DEPLETION DEVELOPS DURING HUMAN CRITICAL ILLNESS AND ACTIVATES THE VIRULENCE OF KEY COLONIZING PATHOGENS ASSOCIATED WITH GUT-DERIVED SEPSIS.

Alexander V. Zaborin, PhD*, Kathleen Romanowski, MD, Irina Morozova, MS, Cindy Bethel, MT, (ASCP), Trissa Babrowski, MD, Andrea Olivias, MD, David Fink, MD, Karen Frank, MD, PhD, Donald Liu MD, PhD, Olga Zaborina, PhD, John C. Alverdy, MD - University of Chicago

Discussant: Jared Huston, MD

11. TIR DOMAIN VARIANTS OF MAL/TIRAP RESULT IN ALTERED TLR4 SIGNALING

Kaysie L. Banton, MD, Karen A. McCulloch, BS, Karen R. Wasiluk, PhD* - University of Minnesota

Discussant: Edwin A. Deitch, MD

12. LATE POST-TRAUMATIC IMMUNE DYSFUNCTION: THE ROLE OF TLR2 AND TLR4 SIGNALING.

Sophie S Darwiche, MD, Xiangcai Ruan, MD, Melanie Scott, MD, PhD, Rosemary Hoffman, PhD, Hans-Christoph Pape, MD, Timothy R. Billiar, MD* - UPMC

Discussant: Saman Arbabi, MD

13. MKP-1 PROMOTES TOLERANCE TO TLR LIGANDS IN ENTEROCYTES.

Jin Wang, MS, Anatoly V. Grishin, PhD, Henri R. Ford, MD, MHA* - Childrens Hospital Los Angeles

Discussant: Marc Jeschke, MD

14. PLATELET CD154 MEDIATES REMOTE TISSUE INJURY FOLLOWING MESENTERIC ISCHEMIA AND REPERFUSION.

Peter H. Lapchak, MSc, PhD*, Poonam Rani, MSc, Lakshmi Kannan, PhD, Jurandir J. Dalle Lucca, MD, George C. Tsokos, MD - Beth Israel Deaconess Medical Center and Harvard Medical School

Discussant: Stephen F. Lowry, MD, MBA

15. BETA BLOCKADE PREVENTS HEMATOPOIETIC PROGENITOR CELL SUPPRESSION FOLLOWING HEMORRHAGIC SHOCK

Ihab O. Elhassan, MD*, Edward J. Hannoush, MD*, Walter D. Alzate, BSc, MSc*, Ziad C. Sifri, MD*, David H. Livingston, MD*, Alicia M. Mohr, MD* - UMDNJ

Discussant: Alfred Ayala, PhD

16. P-GLYCOPROTEIN IS REQUIRED FOR BREAST MILK-INDUCED PROTECTION FROM NECROTIZING ENTEROCOLITIS IN A NEONATAL MOUSE MODEL

Shannon L. Castle, MD, Jin Wang, MS, Monica Williams, BS, Anatoly V. Grishin, PhD, Jeffrey S. Upperman, MD*, Henri R. Ford, MD, MHA* - Childrens Hospital Los Angeles, Keck School of Medicine, USC

Discussant: Evan P. Nadler, MD

08:00-10:30

PARALLEL SESSION II

Ballroom 1-2

Clinical Investigations in Surgical Infection (Papers 17-24)

Moderators:

Philip S. Barie, MD, MBA

John C. Marshall, MD

17. A CONCISE INSTRUMENT FOR SEPSIS SCREENING IN GENERAL SURGERY PATIENTS

Laura J. Moore, MD*, Stephen L. Jones, MD, Krista L. Turner, MD, Samuel R. Todd, MD, Shirley Kung, RN, Frank Stokes RN, ACNP, Craig W. Johnson, PhD, Gloria L. Beriones, RN, Frederick A. Moore, MD - The Methodist Hospital, Houston

Discussant: Samir Fakhry, MD

18. ROUTE OF FEEDING DIFFERENTIALLY INFLUENCES MONOCYTE GENE EXPRESSION

Beth-Ann Shanker, MD, Chun Choi, MD, Susette M. Coyle, RN, MSN, Marie A. Macor, RN, John L. Noshier, MD, Steve E. Calvano, PhD, Stephen F. Lowry, MD* - UMDNJ-Robert Wood Johnson Medical School

Discussant: Martin A. Croce, MD

19. PREDICTIVE VALUE OF IL-8 FOR SEPSIS AND SEVERE INFECTIONS AFTER BURN INJURY - A CLINICAL INVESTIGATION.

Robert Kraft, MD, David N. Herndon, MD*, Juquan Song, MD*, Gabriela A. Kulp, MS, Marc G. Jeschke, MD, PhD - University of Texas Medical Branch

Discussant: Henri R. Ford, MD, MDA

20. INTERVAL APPENDECTOMY AFTER NON-OPERATIVE MANAGEMENT OF ACUTE APPENDICITIS AT A CANCER CENTER.

Tiffany T. Fancher, MD, Frederic M. Pieracci, MD, MPH, Soumitra Eachempati, MD*, Laila Rashidi, MS, Garrett M Nash, MD, MPH - St. Mary's Hospital

Discussant: Matthew Rosengart, MD MPH

21. MASSIVE TRANSFUSION DOES NOT CAUSE INFECTIONS IN THE CRITICALLY ILL. William D. Dutton, MD, Chadi T. Abouassaly, MD, Bryan A. Cotton, MD, MPH, Addison K. May, MD*, Oliver L. Gunter, MD - Vanderbilt University Medical Center

Discussant: Philip S. Barie MD MBA

22. CHRONOLOGICAL STUDY OF BACTERIAL FLORA IN CONTAMINATED WOUNDS. Shirin Towfigh, MD*, Tatyana Clarke, MD, Ankur Gupta, MD, Diane M. Citron, MS - Cedars-Sinai Medical Center

Discussant: Kamal M. F. Itani, MD

23. CEFAZOLIN DOSING FOR SURGICAL PROPHYLAXIS IN MORBIDLY OBESE PATIENTS

Vanessa P. Ho, MD, David P. Nicolau, PharmD, Gregory F. Dakin, MD, Alfons Pomp, MD, Barrie S. Rich, MD, Christopher W. Towe, MD, Philip S. Barie, MD, MBA* - Weill Cornell Medical College

Discussant: J. Wesley Alexander, MD

24. URETERAL STENT PLACEMENT IS A SIGNIFICANT RISK FACTOR FOR THE DEVELOPMENT OF BK VIREMIA AFTER RENAL TRANSPLANTATION .

Leon Kushnir, MD, Karinn Chambers, MD, Michael H. Gallichio, MD, David J. Conti, MD* - Albany Medical Center

Discussant: Robert L. Sawyer, MD

10:30 – 11:00

BREAK - VISIT EXHIBITS

Ballroom Foyer

11:00 -12:00

PRESIDENTIAL ADDRESS

Ballroom 1-2

“Answering the Call to Action: Response to the January 12, 2010 Haiti Earthquake”

Henri Ford, MD, MHA

Vice President and Chief of Surgery

Children’s Hospital of Los Angeles

Professor and Vice-Chair for Clinical Affairs, Department of Surgery

Vice-Dean for Medical Education

Keck School of Medicine of the University of Southern California

Introduction by *Lena M. Napolitano MD*

University of Michigan, Ann Arbor, Michigan

12:00-13:30 LUNCHEON SYMPOSIUM II

Ballroom 3-4

Abdominal Wall Reconstruction: A Paradigm Shift in Managing Infection Risk

*Moderators:**James A. Lederer PhD**Timothy R. Billiar MD***25. PARENTERAL NUTRITION (PN) IMPAIRS LYMPHOTOXIN RECEPTOR (LT β R) SIGNALING VIA NF- κ B.**

Jinggang Lan, PhD, Aaron F. Heneghan, PhD, Yoshifumi Sano, MD, Mark Jonker, MD, Jiro Omata, MD, Yang-Xin Fu, MD, PhD, Wentong Xu, MD, Joe Pierre, MA, Kenneth Allan Kudsk, MD* - UW-Madison

*Discussant: Paul Bankey, MD PhD***26. VARIABLE IGA PROTEASE ACTIVITY BY BACTERIAL PATHOGENS: EFFECT ON PMN INFLAMMATORY POTENTIAL.**

Lawrence N. Diebel, MD*, David M. Liberati, MS - Wayne State University

*Discussant: Ori O.D. Rotstein, MD***27. TREATMENT EFFECTS OF RECOMBINANT HUMAN SOLUBLE THROMBOMODULIN IN PATIENTS WITH SEVERE SEPSIS: PRELIMINARY HISTORICAL CONTROL STUDY**

Kazuma Yamakawa, MD, Tomoyoshi Mohri, MD, Takeyuki Kiguchi, MD, Junichi Kitayama, MD, Hiroki Matsuda, MD, Yasushi Nakamori, MD, Satoshi Fujimi, MD - Osaka General Medical Center-William Cheadle, MD*

*Discussant: Michael A. West, MD, PhD***28. ILEAL FATTY ACID BINDING PROTEIN (I-FABP) A NOVEL BIOMARKER FOR ACUTE INTESTINAL ISCHEMIA AND RESULTANT LUNG INJURY**

Rachel G. Khadaroo, MD, PhD*, Spyridon Fortis, MD, Cathy Streutker, MD, MSc, Haibo Zhang, MD, PhD - University of Alberta

*Discussant: Mark A. Wilson, MD, PhD***29. HUMAN MILK INDUCES DOSE AND TIME- DEPENDENT P-GLYCOPROTEIN EXPRESSION IN HUMAN ENTEROCYTE CELL LINES.**

Ashanti L. Franklin, BA, Yigit Guner, MD, Monica Williams, BS, Jeffrey S. Upperman, MD*, Anatoly Grishin, PhD, Henri R. Ford, MD, MHA - Childrens Hospital Los Angeles

*Discussant: Timothy Billiar, MD***30. IMMUNE-RELATED BIOMARKERS AND THE DEVELOPMENT OF NOSOCOMIAL INFECTION IN ICU PATIENTS**

Chun W. Choi, MD, Beth-Ann Shanker, MD, MS, Susette M. Coyle, RN, Marie A. Macor, RN, Steve E. Calvano, PhD, Stephen F. Lowry, MD* - UMDNJ-Robert Wood Johnson Medical School

*Discussant: James Lederer, PhD***31. PEROXYNITRITE MEDIATES VASCULAR LEAKAGE VIA PROMOTING ANGIOPOEITIN-2 IN METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS-INDUCED SEPSIS**

Perenlei Enkhbaatar, MD, PhD*, Yong Zhu, MD, PhD, Sebastian Rehberg, MD, Yusuke Yamamoto, MD, PhD, Linda Sousse, BS, Lillian D. Traber, RN, David Herndon, MD, Daniel L. Traber, PhD* - University of Texas Medical Branch

Discussant: Philip Efron, MD

32. THE INTERFERON REGULATORY FACTOR-1 REGULATES THE BALANCE BETWEEN APOPTOSIS AND AUTOPHAGY IN ENDOTOXEMIA

Lemeng Zhang, Pinhua Pan, John Evankovich, Jon Cardinal, Timothy Billiar, MD*, Allan Tsung, MD
Discussant: Jared Huston, MD

13:30 – 16:00

PARALLEL SESSION IV

Ballroom 1-2

Outcomes Studies in Surgical Infection. (Papers 33-40)

Moderators:

Jörg Schröder, MD

Soumitra R. Eachempati, MD

33. REPORT CARD ON SURGICAL CARE IMPROVEMENT PROJECT (SCIP): NIS INFECTION DATA 2001 THROUGH 2006.

John M. Davis, MD*, Yen-Hong Kuo, ScM, MS, Yen-Liang Kuo, MD, Nasim Ahmed, MD* - JSUMC
Discussant: Donald E. Fry, MD

34. RECONSIDERATION FOR CULTURING VASCULAR CATHETERS FOR SUSPECTED CR-BSI IN THE ICU

Alexander Rose, MD, Jing Zhao, PharmD, Krista Wahby, PharmD, Bryan Dotson, PharmD, Steven Tennenberg, MD* - Wayne State University School of Medicine, Department of Surgery
Discussant: Lewis Kaplan, MD

35. THE NORMALIZATION OF HYPERCORTISOLEMIA POST-BURN WITH KETOCONAZOLE DOES NOT ATTENUATE THE HYPERMETABOLIC CATABOLIC RESPONSE

Felicia N. Williams, MD, David N. Herndon, MD*, David L. Chinkes PhD, Gabriela A. Kulp, MS, Army Ferrando, PhD, Oscar E. Suman, PhD, Celeste Finnerty, PhD, Robert Kraft, MD, Ludwik K. Branski, MD, Ahmed M. Al-mousawi, MD, Mark G. Jeschke, MD, PhD* - UTMB-Galveston
Discussant: Lilian Kao, MD

36. EFFECT OF BODY MASS INDEX (BMI) ON CLINICAL RESPONSE TO TREATMENT FOR COMPLICATED INTRAABDOMINAL INFECTION (CIAI) Nicholas Namias, MD*, Darcy A. Hille, MS - University of Miami

Discussant: Vincente H. Gracias, MD

37. Withdrawn

38. FAILURE TO NORMALIZE LYMPHOCYTE REDUCTION FOLLOWING TRAUMA IS ASSOCIATED WITH INCREASED MORTALITY, INDEPENDENT OF THE LEUKOCYTOSIS PATTERN.

Daithi S. Heffernan, MD*, Sean F. Monaghan, MD, Rajan K. Thakkar, MD, Jason T. Machan, PhD, Alfred Ayala, PhD*, William G. Cioffi, MD* - Department of Surgery, Rhode Island, Brown University
Discussant: William Chien-Chen Chiu, MD

39. EMPIRIC ANTIBIOTICS PENDING BAL RESULTS IN PATIENTS WITHOUT PNEUMONIA SIGNIFICANTLY ALTERS THE FLORA BUT NOT THE RESISTANCE PROFILE IF A SUBSEQUENT PNEUMONIA DEVELOPS

Rajan K. Thakkar, MD, Sean F. Monaghan, MD, Daithi S. Heffernan, MD*, Charles A. Adams, MD*, Michael D. Connolly, MD, Shea Gregg, MD, Matthew S. Kozloff, MD, William G. Cioffi, MD* - Department of Surgery, Rhode Island Hospital, Brown University
Discussant: Philip S. Barie, MD MBA

40. LOCAL VARIATIONS IN EPIDEMIOLOGY, MICROBIOLOGY, AND OUTCOME OF NECROTIZING SOFT TISSUE INFECTIONS: A MULTI-CENTER STUDY.

Lillian S. Kao, MD, MPH, Debbie F. Lew, MPH, Samer N. Arab, MD, S. Rob Todd, MD, Matthew M. Carrick MD, Michael G. Corneille, MD, Samir S. Awad, MD*, Kevin P. Lally, MD, MS - University of Texas Health Science Center at Houston

Discussant: Jose Diaz, MD

16:00-18:00

**Poster Session (Posters 1-69)
Basic and Clinical Studies in Surgical Infection**

Acacia Foyer/Acacia 2

Moderators:

(Posters 1-10) Hobart W. Harris, MD and Jared M. Huston, MD
(Posters 11-20) Marc G. Jeschke, MD, PhD and Fredric M. Pieracci, MD
(Posters 21-31) David Greenhalgh, MD and Charles Yowler, MD
(Posters 32-42) Alicia M. Mohr, MD and Samir S. Awad, MD
(Posters 43-53) Gary C. An, MD and Heather L. Evans, MD
(Posters 54-63) Nicole A. Stassen, MD and Sam Arbabi, MD

P1. A MULTICENTER, RANDOMIZED, CONTROLLED CLINICAL TRIAL COMPARING CIPROFLOXACIN WITH MEROPENEM FOR TREATMENT OF POSTOPERATIVE INFECTIONS, FINAL REPORT OF POSTOPERATIVE INFECTION TREATMENT STUDY GROUP OF JAPAN SOCIETY FOR SURGICAL INFECTION.

Shinya Kusachi, MD, PhD*, Yoshiki Takahashi, MD, PhD, Koumei Kato, MD, PhD, Shigeto Oda, MD, PhD, Hiromitsu Takeyama, MD, PhD, Keiji Mashita MD, PhD, Shinichi Kobayashi, PhD, Yoshinobu Sumiyama MD, PhD- Japan society of Surgical Infection

P2. ANTIBIOTIC REGIMEN AND TIMING OF PROPHYLAXIS ARE IMPORTANT FACTORS FOR LIMITING SURGICAL SITE INFECTION (SSI) IN ELECTIVE ABDOMINAL COLORECTAL SURGERY (ECS)

Vanessa P. Ho, MD, Philip S. Barie, MD, MBA*, Sharon L. Stein, MD, Koiana Trencheva, MS, Jeffrey W. Milsom, MD, Sang W. Lee, MD, Toyooki Sonoda, MD - Weill Cornell Medical College

P3. MEASURING SPATIAL DIFFERENCES IN PSEUDOMONAS AERUGINOSA DISTRIBUTION AND VIRULENCE ACTIVATION RELATED TO INTESTINAL ISCHEMIA REPERFUSION INJURY

David Fink, MD, Kathleen Romanowski, MD, Trissa Babrowski, MD, Vesta Valuckaite, MD, Alex Zaborin, PhD, Valeriy Poroyko, PhD, Irina Morozova, MS, Olga Zaborina, PhD*, John Alverdy, MD* - University of Chicago

P4. THE INFLUENCE OF INOS ON THE AUTOPHAGIC RESPONSE IN SEPSIS (Resident) Evie H. Carchman, MD, Brian S. Zuckerbraun, MD* - UPMC

P5. IS THE MORBIDITY OF SECONDARY PERITONITIS A RESULT OF THE PATHOGENS EXPRESSING ENHANCED VIRULENCE?

Trissa A. Babrowski, MD, Kathleen Romanowski, MD, David Fink, MD, Donald Liu, MD, PhD, Olga Zaborina, PhD*, John Alverdy, MD* - University of Chicago

P6. PROTEIN KINASE C PLAYS A ROLE IN ENTEROBACTER SAKAZAKII INDUCED INTESTINAL EPITHELIUM PERMEABILITY.

Quin Y. Liu, MD, Rahul Mittal, PhD, Anatoly Grishin, PhD, Henri R. Ford, MD*, Nemani V. Prasadarao, PhD - Childrens Hospital Los Angeles

P7. COMPARISON OF ANTIMICROBIAL SUSCEPTIBILITY AND INCIDENCE OF EXTENDED-SPECTRUM BETA-LACTAMASE-PRODUCING ISOLATES IN MEDICAL INTENSIVE CARE UNITS VERSUS SURGICAL INTENSIVE CARE UNITS: RESULTS FROM SMART 2008-2009.

Robert Badal, BS, Samuel Bouchillon, MD*, Meredith Hackel, PhD, Aaron Johnson, BS - IHMA, Inc

P8. CEFTAROLINE ACTIVITY AGAINST CLINICAL ISOLATES OF STAPHYLOCOCCUS AUREUS, INCLUDING METHICILLIN-RESISTANT STRAINS (MRSA), FROM UNITED STATES (USA) HOSPITALS.

Helio S. Sader, MD, PhD, Donald Biek, Ian Critchley, David J. Farrell, PhD, Ronald N. Jones, MD* - JMI Laboratories

P9. PROPRANOLOL SUPPRESSES APOPTOSIS AND PRODUCTION OF INFLAMMATORY CYTOKINES IN LPS-STRESSED HUMAN MACROPHAGE-LIKE THP-1 CELLS.

Kita Katsuhiko, PhD, Felicia Williams, MD, Rong Chu, Olga Obie, Gabreila Kulp, MS, David N. Herndon MD*, Marc G. Jeschke, MD, PhD* - UTMB-Galveston

P10. DO BLOOD STREAM INFECTIONS AFFECT OUTCOME IN TRAUMA PATIENTS? Ziad C Sifri MD*, Alicia A Mohr MD*, Helen S. Horng, PharmD*, Robert Lavery, MS, David H. Livingston, MD* - UMDNJ-NJMS

P11. QUANTITATIVE WOUND CULTURES - AN IMPORTANT MONITORING FACTOR IN CLINICAL PRACTICE?

Robert Kraft, MD, Ahmed A Al-Mousawi, MD, David N. Herndon,* MD, Song Juquan,* MD, Marc G. Jeschke,* MD, PhD - University of Texas Medical Branch Galveston

P12. IMPACT OF TIMING OF TRACHEOSTOMY IN THE INCIDENCE OF PNEUMONIA FOLLOWING SEVERE HEAD INJURY.

Nasim Ahmed, MD*, Yen-Hong Kuo, ScM, MS, Yen-Liang Kuo, MD, John M. Davis, MD* - Jersey Shore University Medical Center

P13. CAN WE FIND BETTER MARKERS FOR IMMUNE AND PHYSIOLOGICAL DYSFUNCTION IN THE CRITICALLY ILL? THE CASE FOR PD-1

Sean F. Monaghan, MD, Rajan K. Thakkar, MD, Mai L. Tran, BS, Xin Huang, PhD, William G. Cioffi, MD*, Alfred Ayala, PhD*, Daithi S. Heffernan, MD*, - Rhode Island Hospital/Alpert Medical School of Brown University

P14. TEMPORARY ABDOMINAL CLOSURE IN PATIENTS WITH SEVERE INTRAABDOMINAL INFECTION: A COHORT STUDY.

Elio Sanchez, MD, Oscar Heilbron, MD, Maria F. Jimenez, MD*, Fabian Gil, MsC, Aura Rivera, MD, Nelson Nino MD, Juan Ayala, MD, Alvaro Sanchez, MD, MsC, Juan C. Puyana, MD* - Pontificia Universidad Javeriana

P15. IS THERE A RELATIONSHIP BETWEEN ELEVATED VANCOMYCIN TROUGH CONCENTRATIONS (VT) AND INCREASED EFFICACY OR TOXICITY?

Bruce H. Ackerman, PharmD, Kristen Phillips, Robert E. Guilday, MD, Mary L. Patton, MD, Linwood R. Haith Jr., MD* - Crozer-Chester Medical Center

P16. PHYSIOLOGICAL LEUKOCYTOSIS IS NOT PHYSIOLOGIC FOLLOWING NON-TRAUMA SPLENECTOMY

Kathleen S. Romanowski, MD, Elaine Kamm, APN, Alex Bailey BS, Kevin K Roggin MD, Jeffery B Matthews MD, John C. Alverdy, MD* - University of Chicago

P17. E-101 SOLUTION, A NOVEL ANTISEPTIC INTENDED FOR DIRECT APPLICATION WITHIN A SURGICAL WOUND TO PREVENT SURGICAL SITE INFECTION: BLINDED, CONTROLLED PHASE 1 SKIN IRRITATION STUDY IN HEALTHY VOLUNTEERS

Peter O'Hanley PhD, MD, MPH*, Christopher Beausoleil, CCRP, Kelly O'Hanley, MD, MPH, Steve Stephens - Exoxemis Inc

P18. THE REDUCTION OF HEPATIC ALBUMIN EXPRESSION IS ASSOCIATED WITH ER STRESS DEACTIVATED EEF2 AFTER BURN INJURY

Juquan Song, MD, Robert Kraft MD, Xiaojun Zhang, MD, David N. Herndon, MD, Darren Boehning, PhD, Marc G. Jeschke, MD, PhD* - Shriners Hospitals for Children and the University of Texas Medical Branch

P19. INVOLVEMENT OF ENDOTOXIN IN THE MORTALITY OF MICE WITH GUT-DERIVED SEPSIS DUE TO METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS

Masashi Uramatsu Senior, Resident, Tetsuya Matsumoto, Professor, Kazuhiro Tateda, Associate Professor, Shuichi Miyazaki, Associate Professor, Tetsuya Horino, Research Associate, Masaki Tanabe, Research Associate, Kazutoshi Shibuya, Professor, Junko Sato, Shinya Kusachi Professor*, Keizo Yamaguchi, Professor - The Third Department of Surgery, Toho University Ohashi Hospital

P20. ANTIMICROBIAL ACTIVITY AND SPECTRUM OF THE NOVEL CEPHALOSPORIN CEFTAROLINE TESTED AGAINST BACTERIAL ISOLATES CAUSING SKIN AND SKIN STRUCTURE INFECTIONS IN USA MEDICAL CENTERS.

David J. Farrell, PhD, Ian Critchley, Donald Biek, Ronald N. Jones MD*, Helio S Sader MD, PhD - JMI Laboratories

P21. SEASONALITY OF PATHOGENS: A 7-YEAR STUDY OF CULTURE RESULTS FROM A SURGICAL ICU.

Stefan Engstrom, Patrick R. Norris, Kenneth A. Debelak, Raymond L. Mernaugh, Sarah D. Valenti, Judith M. Jenkins, Michael B. Daly, Addison K. May, MD*, Erik M. Boczko - Vanderbilt University

P22. ANTIBIOTICS PRIOR TO PEG PLACEMENT SIGNIFICANTLY REDUCES SURGICAL SITE INFECTIONS IN CRITICALLY INJURED TRAUMA PATIENTS

Ian R. Driscoll, MD, Gerard P. De Castro, MD, Grant V. Bochicchio, MD, MPH*, Shijun Zhu, PhD, Sara M. Edeiken, Kelly Bochicchio, RN, MS, Obeid N. Ilahi, MD, Manjari Joshi, MD, Thomas M. Scalea, MD* - Walter Reed Army Medical Center

P23. THE DEVELOPMENT OF RETROGRADE BACTERIAL EPIDIDYMITIS FOLLOWING VASECTOMY Amani D. Politano, MD, Tony Mammen, MD, Raymond A. Costibile, MD, Jeffrey J. Lysiak, PhD, Terry T. Turner, PhD - UVA Department of Surgery-Robert G. Sawyer, MD*

P24. CONTEMPORARY PREDICTORS OF CONVERSION FROM LAPAROSCOPIC TO OPEN APPENDECTOMY.

Patrick L. Wagner, MD, Soumitra R. Eachempati, MD*, Lynn J. Hydo, RN, MBA, Frederic M. Pieracci, MD, MPH, Marie Bartholdi, Ben-Paul N. Umunna, Jian Shou, MD*, Philip S. Barie, MD, MBA* - New York-Presbyterian Hospital/Weill Cornell Medical Center

P25. ANTIBIOTIC USE AND SURGICAL MANAGEMENT IN 217 PATIENTS WITH MRSA SKIN AND SOFT TISSUE INFECTIONS

Peter K. Kim, MD*, Dena G. Arumugam, BA, Stanley S. Cho, MPH, Stanislav Nosik, MD, Hugh Boothe, PhD
- Jacobi Medical Center

P26. PREHOSPITAL INTUBATION FACTORS AND VENTILATOR ASSOCIATED PNEUMONIA IN TRAUMA PATIENTS

Heather L. Evans, MD*, MS, Keir J. Warner, BS, Eileen M. Bulger, MD*, Sam R. Sharar, MD, Ronald V. Maier, MD*, Joseph Cuschieri, MD* - Harborview Medical Center, University of Washington

P27. BLOOD TRANSFUSION INDUCES LATE CHANGES IN SPLEEN LEUKOCYTES.

Philip A. Efron, MD*, Dina C. Nacionales, MD, Kindra Kelly-Scumpia, PhD, Alex G. Cuenca, MD, Matthew Delano, MD, PhD, Darwin N. Ang, MD, PhD, MPH, Lyle L. Moldawer, PhD* - University of Florida

P28. MECHANISTIC COMPUTATIONAL REPRESENTATION OF PATHOGEN RESPONSE TO MICROENVIRONMENT CHANGES DURING HOST STRESS

John Seal, MD, John Alverdy, MD*, Trissa Babrowski, MD, David Fink, MD, Kathleen Romanowski, MD, Olga Zaborina, PhD*, Gary An, MD - University of Chicago

P29. EVALUATION OF THE APACHE II, SOFA, SIRS, & ISS SCORING SYSTEMS IN PREDICTING OUTCOME IN CRITICALLY ILL TRAUMA PATIENTS

Gerard P. De Castro, MD, June Hsu, MPH, Grant V. Bochicchio, MD, MPH Kelly Bochicchio, RN, MS, Thomas M. Scalea, MD* - University of Maryland School of Medicine

P30. COMBINATION THERAPY WITH CASPOFUNGIN AND VORICONAZOL IN INVASIVE ASPERGILLOSIS IN SURGICAL PATIENTS.

Christian Geltner, MD, Ingrid Stelzmueller, MD, Cornelia Lass-Floerl, MD, Hugo JR. Bonatti,* MD - Pulmonology, Natters

P31. MOTOR VEHICLE BLUNT SPINAL CORD TRAUMA AND POSTTRAUMATIC INFECTION: WHO IS AT RISK?

Douglas R. Fraser, MD, Viktor Y. Dombrovskiy, MD, PhD, MPH, Todd R. Vogel, MD, MPH* - UMDNJ-RWJUH New Brunswick, NJ

P32. MACROPHAGE GENETIC REPROGRAMMING DURING CHRONIC PERITONITIS IS AUGMENTED BY LPS PRETREATMENT

Ziad Kanan, MD, James Peyton, MS, Sarah Gardner, BS, William G. Cheadle, MD* - University of Louisville

P33. MAKING SOUND USE OF SCARCE DATA: EXAMINING THE IMPACT OF REPEAT POSITIVE CULTURES IN A DATASET OF MICROBIOLOGY FINDINGS.

Stefan Engstrom, Patrick R. Norris, Kenneth A. Debelak, Raymond L. Mernaugh, Sarah D. Valenti, Judith M. Jenkins, Michael B. Daly, Addison K. May, MD*, Erik M. Boczko - Vanderbilt University

P34. ACUTE APPENDICITIS- NOT JUST FOR THE YOUNG.

Brian G. Harbrecht, MD*, Jason W. Smith, MD, Glen A. Franklin, MD, J. David Richardson, MD - University of Louisville

P35. ALCOHOL ABUSE INCREASED POSTOPERATIVE INFECTION AND LENGTH OF HOSPITAL STAY ON ESOPHAGEAL CANCER RESECTIONS.

Yen-Hong Kuo, ScMMS, Nasim Ahmed, MD*, Yen-Liang Kuo, MD, John M. Davis, MD* - Jersey Shore University Medical Center

P36. ROLE OF RESISTANT GRAM-POSITIVE BACTERIA IN TREATMENT FAILURE FOR PERCUTANEOUS DRAINAGE OF POST-OPERATIVE COMPLICATED INTRA-ABDOMINAL INFECTION (CIAI)

Callisia N. Clarke, MD, Yun Miao, MD, PhD, Ross Ristagno, MD, Syed Ahmad, MD, Joseph Solomkin, MD*
- University of Cincinnati

P37. MUCORMYCOSIS IN A BURN ICU

Mark O. Hardin, MD, John D. Ritchie, MD, Josiah D. Freemyer, Christopher E. White, MD - U.S. Army
Institute of Surgical Research William G. Cheadle, MD*

P38. USING OF A DATA MINING FOR PREDICTION OF INFECTED PANCREATIC NECROSIS.

Andrey A. Litvin, MD, PhD* - Gomel Regional Clinical Hospital, Gomel State Medical University, Belarus

P39. IS ANGIOPOIETIN-2 ELEVATED IN TRAUMA PATIENTS WITH EXTRAPULMONARY ALI/ARDS?

Joanne Lomas-Neira, PhD, Rajan Thakkar, MD, Sean Monaghan, MD, Nicholas Carter BA, Alfred Ayala
PhD*, Daithi Heffernan, MD* - Rhode Island Hospital, Alpert School of Medicine at Brown University

P40. INTRACOLONIC VANCOMYCIN FOR SEVERE CLOSTRIDIUM DIFFICILE COLITIS

Peter K. Kim, MD*, Heesun C. Um, PharmD, Sal Ahmad, MD, Christina Coyle, MD, Sheldon Teperman, MD,
Hugh Boothe, PhD, PharmD - Jacobi Medical Center

P41. MULTIDISCIPLINARY PERFORMANCE IMPROVEMENT (PI) TASK FORCE PROJECT MARKEDLY REDUCED AND ELIMINATED RESISTANT ACINETOBACTER BAUMANII/HAEMOLYTICUS (AB).

Cynthia L. Reigart BSN, Bruce H. Ackerman, PharmD, Meghan Stair-Buchman, BSN, Diane Herder, LPN,
Pamela Adams, MT, ASCP, Christine Young, MT, ASCP, CIC, MBA, Robert E. Guilday, MD, Mary L. Patton,
MD, Linwood R. Haith, Jr., MD*, William D. Ravreby, MD - Crozer-Chester Medical Center

P42. OUTCOMES ASSOCIATED WITH PROLONG INFUSIONS OF PIPERACILLIN/TAZOBACTAM IN CRITICALLY ILL PATIENTS.

Daryl Schiller, PharmD, BCPS-ID, Fariborz Rezai, MD, Michael C. Meadows, MD, Edward H. Gray, DO,
Kristin Fless, MD, Ronald S. Chamberlain MD, MPA, Paul C Yodice MD - Saint Barnabas Medical Center-
William G. Cheadle, MD*

P43. ASSESSMENT OF THE TREATMENT OF ACINETOBACTER BAUMANNII FOLLOWING THE OUTBREAK OF A MULTI-RESISTANT CLONE AND A VARIANT CLONE IN A BURN TREATMENT CENTER.

Bruce H. Ackerman, PharmD, Pamela Adams, MT, ASCP, Christine Young, MT, ASCP, MBA, Cynthia L.
Reigart, BSN, Robert E. Guilday, MD, Mary L. Patton, MD, Linwood R. Haith, Jr., MD*, William D. Ravreby
MD - Crozer-Chester Medical Center

P44. CLOSTRIDIUM DIFFICILE INFECTION MAY REQUIRE SURGICAL MANAGEMENT IN CHILDREN

Jose M. Prince MD, Megan Sippey, BA, John D. Rutkoski, MD, Kevin P. Mollen, MD, Marian G. Michaels,
MD, MPH, Brian S. Zuckerbraun, MD*, Richard L. Simmons, MD, Barbara A. Gaines, MD - Children's
Hospital of Pittsburgh

P45. CLINICAL IMPLICATIONS OF VIRUS-ASSOCIATED NEPHROPATHY AFTER RENAL TRANSPLANTATION.

Helen P. Cathro, MD, Costi D. Sifri, MD, Douglas Keith, MD, Robert G. Sawyer, MD*, Timothy L. Pruett* MD, Kenneth Brayman, MD, PhD, Hugo JR. Bonatti, MD* - Department of Pathology, UVA

P46. COHORTING AND SUPERISOLATION IN A SINGLE INTENSIVE CARE UNIT IN AN EFFORT TO REDUCE PATIENT-TO-PATIENT TRANSMISSION

Laura H. Rosenberger, MD, Tjasa Hranjec, MD, MS, Rosemarie Metzger, MD, MPH, Brian R. Swenson,* MD, MS, Robert G. Sawyer, MD* - University of Virginia

P47. IMPACT OF TRAUMA CENTER LEVEL IN THE INCIDENCE OF PNEUMONIA FOLLOWING SEVERE HEAD INJURY.

Nasim Ahmed, MD, Yen-Hong Kuo, ScM, MS, Yen-Liang Kuo, MD, John M. Davis. MD* - Jersey Shore University

P48. PROCALCITONIN IS A USEFUL MARKER TO DIFFERENTIATE BETWEEN INFECTION AND INFLAMMATION IN TRAUMA PATIENTS UNDERGOING ORTHOPEDIC PROCEDURES

Chadi T. Abouassaly, MD, Rondi Kauffman, MD, MPH, Heather Macnew, MD, Elizabeth O'Keefe, PhD, Alison Woodworth, PhD, Addison May, MD* - Vanderbilt University Medical Center

P49. CRYPTOSPORIDIOSIS INCREASES TACROLIMUS LEVELS IN SOLID ORGAN RECIPIENTS: EXPERIENCE WITH SEVEN ADULT CASES FROM TWO CENTERS AND REVIEW OF THE LITERATURE.

Hugo JR. Bonatti, MD*, Luis F. Barroso, MD, Robert G. Sawyer, MD, Kenneth Brayman, MD, Camielle N. Kotton, MD, Costi D. Sifri, MD - University of Virginia

P50. WITHDRAWN

P51. ACINETOBACTER BAUMANNI: A COLLATERAL DAMAGE PATHOGEN. A REVIEW OF RISK FACTORS AND CURRENT TREATMENT RECOMMENDATIONS.

Kenji Kamanaka, BA, Michael C. Meadows, MD, Ronald S. Chamberlain MD, MPA - University of Medicine and Dentistry of New Jersey-William G. Cheadle, MD*

P52. SURGICAL SITE INFECTION IN LAPAROSCOPIC INGUINAL HERNIORRHAPY SURGICAL SITE INFECTION IN LAPAROSCOPIC INGUINAL HERNIORRHAPY

Maris S. Jones, MD, Charles R. St. Hill, MD, Shawn Tsuda, MD, Annabel E. Barber, MD* - University of Nevada School of Medicine

P53. A MULTIDISCIPLINARY TEAM APPROACH TO REDUCING CLBSI IN THE ICU

Lynne W. Campbell, BSN, MSN, ARNP-BC, Jeanne Zack, PhD, RN, CIC, Nancy Hansen, RN, BSN, CIC, Linda Odnaha, RN, BSN, Kevin Stuckert, MHA, BS, RRT, Tracy Hathorn, RD, LD/N, CNSD, Susan Tuttle, PharmD, Marilyn Kole, MD, Jeffrey M. Scott, DO* - Lee Memorial Health System

P54. SURGICAL INFECTION AND RISK FACTORS IN A GENERAL SURGERY SERVICE: A PROSPECTIVE STUDY.

Pablo Vazquez Aragon, Medicine, Pedro Cascales Sanchez, Medicine, Maria Teresa Villar Canovas, Medicine, Antonio Serafin Valero, Liãfâ€An Medicine, Juan Luis Rueda Martinez, Medicine, Antonio Prat Calero, Medicine, Maria Abad Martinez, Medicine - General And University Hospital-Albacete Spain

P55. SCEDIOSPORIUM BRAIN ABSCESES IN A PATIENT WITH A PATENT FOREMEN OVALE CAUSED BY SINUSITIS AND FUNGAL PNEUMONIA FOLLOWING A WORK-RELATED BOILER EXPLOSION.

Linwood R. Haith Jr. MD*, Bruce H. Ackerman, PharmD, Heidi Hornbeek, MD, Mary L. Patton, MD, Robert E. Guilday, MD - Crozer-Chester Medical Center

P56. LIPOPOLYSACCHARIDE ALTERS THE GENETIC EXPRESSION OF KEY ENZYMES IN CERAMIDE METABOLISM

Mae F. Cantos, BSc, MD, Andras Kapus, MD, PhD, Menachem Ailenberg, PhD, Ori D Rotstein, MD* - St. Michael's Hospital

P57. A CASE OF CAT BITE INFECTION AS POLYMICROBIAL INFECTION CAUSED BY PASTEURELLA MULTOCIDA AND PREVOTELLA SPECIES

Yuka Yamagishi, MD, Hiroshige Mikamo, MD, PhD* - Aichi Medical University

P58. NASAL SWAB SPECIMENS THAT ARE ROUTINELY COLLECTED TO SCREEN FOR MRSA IN INTENSIVE CARE UNITS CAN BE USED TO PREDICT THE PRESENCE OF MRSA IN CLINICAL CULTURES.

Matthew C. Byrnes, MD, Titi Adegboyega, BA, Andrew Riggle, BA, Gregory Beilman, MD*, Jeffrey Chipman, MD - University of Minnesota

P59. ABDOMINAL WALL WOUNDS SURROUNDING HIGH OUTPUT ENTEROCUTANEOUS FISTULAS CAN BE SUCCESSFULLY SKIN GRAFTED.

Matthew Byrnes, MD, Andrew Riggle, BA, Greg Beilman, MD*, Jeffrey Chipman MD - University of Minnesota

P60. CALCIFIC UREMIC ARTERIOLOPATHY-A COMBINED AGGRESSIVE CONJOINT NEPHROLOGY/BURN SURGERY MANAGEMENT

Linwood R. Haith, MD*, Erica R. Podolsky, MD, Robert E. Guilday, MD, Mary Lou Patton, MD, Surekha Neeli, MD, Nathan Okechukwu, MD - Crozer Chester Medical Center

P61. TUMESCENT ANTIBIOTIC DELIVERY FOR SSI PROPHYLAXIS

Jeffrey A. Klein MD, MPH*, Atoussa Cameron, RN, NP, JoAnn Coker, RN, NP, Loralie Langman, MD, Christine Snozek, MD - University of California, Riverside

P62. INCREASED INFECTIONS ARE ASSOCIATED WITH NON-OPERATIVE TRANSFUSIONS IN BURN PATIENTS

Joseph A. Posluszny Jr., MD, Chindo Hicks, PhD, Ravi Shankar, PhD, Richard L. Gamelli, MD* - Loyola University Medical Center, Case Western Reserve University School of Medicine

P63. SINGLE CELL METAGENOMIC ANALYSIS OF GUT BACTERIA FROM HUMAN INFANTS WITH NECROTIZING ENTEROCOLITIS

Valeriy Poroyko, PhD, John Alverdy, MD*, Donald Liu, MD, Michael Morowitz MD* - The University of Chicago

17:30-18:30

SIS ANNUAL BUSINESS MEETING

Ballroom 1-2

Lena M. Napolitano MD Presiding

19:00-20:00

RECEPTION

Ballroom Foyer

20:00-22:00

AWARDS BANQUET

Ballroom 3-4

06:30-07:45 AM SUNRISE SYMPOSIUM

Ballroom 3-4

Reducing Ventilator Associated Pneumonia - Thinking Outside the Bundle

08:00-10:00

COMBINED SESSION I

Ballroom 1-2

Mechanistic Insights into the Development of Surgical Infection. (Papers 41-47)

Moderators: John C. Alverdy, MD Nicholas Namias, MD, MBA

41. TRAFFICKING OF THE TLR4 INHIBITOR IRAK-M VIA NOD2 LIMITS TLR4 RESPONSIVENESS IN INTESTINAL EPITHELIAL CELLS

Matthew D. Neal, MD, Amin Afrazi, BS, Chhinder Sodhi, PhD, David J. Hackam, MD, PhD* - Children's Hospital of Pittsburgh of UPMC

Discussant: David Greenhalgh, MD

42. SINGLE NUCLEOTIDE POLYMORPHISM A829G IN THE TRANSACTIVATION DOMAIN OF THE HUMAN GLUCOCORTICOID RECEPTOR PRODUCES HYPERACTIVITY Kelly Tung, MD, MS, Tajia L. Green, BS, Sally T. Nguyen, BS, Debora Lim, BS, Kiho Cho, DVM, PhD, David G Greenhalgh, MD* - Shriners Hospitals for Children Northern California/University of California, Davis Medical Center

Discussant:

43. TERMINATION OF HAND HYGIENE SURVEILLANCE IS ASSOCIATED WITH INCREASED NOSOCOMIAL INFECTIONS IN THE SURGICAL INTENSIVE CARE UNIT

Dorothy W. Bird, MD, Dale Ford, RN, MPH, Carol Sulis, MD, Peter A. Burke, MD*, Suresh Agarwal, MD - Boston University Medical Center

Discussant: Sandra M. Swoboda, RN, MSN

44. ANTIBIOTIC TIME-LAG COMBINATION THERAPY WITH FOSFOMYCIN FOR PATIENTS WITH POSTOPERATIVE INTRA-ABDOMINAL ABSCESS.

Shinya Kusachi, MD, PhD*, Jiro Nagao, MD, PhD, Junko Sato, PhD, Tomoaki Saito, MD, Masashi Uramatsu, MD, Yoichi Nakamura, MD, PhD, Yoshihisa Saida, MD, PhD, Manabu Watanabe, MD, PhD, Yasushi Okamoto, MD, PhD, Koji Asai, MD, PhD, Toshiyuki Enomoto, MD, PhD, Ryohei Watanabe MD, Yoichi Arima, MD, PhD, Yuichi Yoshida, MD, PhD- Toho University Ohashi Hospital

Discussant: Patrick O'Neill, MD

45. CHANGES IN LEUKOCYTE COUNT ARE MORE IMPORTANT IN PREDICTING INFECTION THAN ABSOLUTE LEUKOCYTE COUNT IN CRITICALLY ILL TRAUMA PATIENTS

Jeffrey W. Carter, MD, William H. Leukhardt, MD, Joseph F. Golob, MD, Adam M. Fadlalla, PhD, Jeffrey A. Claridge, MD, MS* - MetroHealth Medical Center

Discussant: Michael J. Morowitz, MD PhD

46. THE INFLAMMATORY RESPONSE IN COMBAT WOUNDS IS ASSOCIATED WITH CRITICAL COLONIZATION.

Trevor S. Brown, PhD, Jason S. Hawksworth, MD, Forest R. Sheppard, MD, Douglas K. Tadaki, PhD, Eric A. Elster, MD* - Naval Medical Research Center

Discussant: Michael F. Rotondo, MD

47. DOES WITHHOLDING EARLY INTRAVENOUS FAT EMULSION FROM PARENTERAL NUTRITION REDUCE INFECTIONS DURING CRITICAL ILLNESS?

Anthony T. Gerlach, PharmD, BCPS, Claire V. Murphy, PharmD, BCPS, Sheela Thomas, MS, RD, LD, Lydia Pourzanjani, RD, LD, Stan Stawicki, MD, Steven Steinberg, MD, Melissa Whitmill, MD, Charles H. Cook MD* - The Ohio State University

Discussant:

10:00-10:15

BREAK-VISIT EXHIBITS

Ballroom Foyer

10:30 - 12:30

COMBINED SESSION II

Ballroom 1-2

Clinical Investigations into Surgical Infections. (Papers 48 -56)

Moderators: Pamela A. Lipsett, MD John E. Mazuski, MD, PhD

48. HYPOXIA-INDUCED UPREGULATION OF AUTOPHAGY IN MOUSE HEPATOCYTES IS DEPENDENT ON CASPASE-1

Qian Sun, MD, Timothy R. Billiar, MD*, Melanie J. Scott, MD, PhD - University of Pittsburgh

Discussant: Daniel L. Traber, PhD

49. MRSA CARRIER STATUS OF PATIENTS PRESENTING WITH SKIN AND SOFT TISSUE INFECTIONS.

Carlos H. Palacio, MD, Daniel M. Musher, MD, Ricardo E. Nuila, MD, Anuradha Subramanian, MD, David M. Green, MD, BS, Samir S. Awad, MD* - Baylor College of Medicine

Discussant: Sam Arbabi, MD

50. MULTIDRUG-RESISTENT PATHOGENS AND INITIAL EMPIRIC ANTIBIOTIC THERAPY FOR PNEUMONIA IN THE TRAUMA VERSUS SURGICAL INTENSIVE CARE UNIT

Robert D. Becher, MD, Jason Hoth, MD, PhD, Lucas P. Neff, MD, Jerry J. Rebo, PharmD, Robert S. Martin, MD, Preston Miller, MD* - Wake Forest University Medical Center

Discussant: William G. Cheadle, MD

51. SIGNIFICANT DIFFERENCES IN SERUM CYTOKINE LEVELS BETWEEN INFECTED ELDERLY AND YOUNGER ADULTS ADMITTED FOR CRITICAL CARE

Tjasa Hranjec, MD, MD, Brian R. Swenson, MD, MS, Lesly A. Dossett, MD, Rosemarie Metzger, MD, MPH, Laura H. Rosenberger, MD, Amani D. Politano, MD, Kimberly A. Popovsky, RN, Addison K. May, MD*, Robert G. Sawyer, MD* - University of Virginia

Discussant: Raul Coimbra, MD PhD

52. SPECTRUM OF PATHOGENS ASSOCIATED WITH INTRAABDOMINAL INFECTION AFTER PANCREAS TRANSPLANTATION WITH ENTERIC DRAINAGE.

Christian Margreiter, MD, Natalie Berger, MD, Reinhold Kafka-Ritsch, MD, Raimund Margreiter, MD, Wolfgang Steurer, MD, Johann Pratschke, MD, Walter Mark, MD, Hugo JR. Bonatti, MD* - Surgery, Innsbruck Medical University
Discussant: John M. Davis, MD

53. ORTHOPEDIC INJURIES--IT DOESN'T COME OUT IN THE WASH

Claudia E. Goettler, MD*, Lisa Schlitzkus, MD, Scott G. Sagraves, MD, Christopher C. Hasty, MD, Michael F. Rotondo, MD - East Carolina University, Brody School of Medicine

Discussant:

54. PLATELET FACTOR 4 (PF4; CXCL4) PROMOTES REMOTE LUNG INJURY FOLLOWING MESENTERIC ISCHEMIA AND REPERFUSION.

Peter H. Lapchak, MSc, PhD*, Peter Karian, Poonam Rani, MSc, Lakshmi Kannan, PhD, Jurandir J. Dalle Lucca, MD, George C. Tsokos, MD - Beth Israel Deaconess Medical Center and Harvard Medical School

Discussant: Charles H. Cook, MD

55. TWELVE-YEAR EXPERIENCE WITH SEVERE CANDIDA INFECTIONS: DECREASING MORTALITY, EVOLVING EPIDEMIOLOGY, AND EMERGENCE OF NEW ANTIFUNGALS

Carlos A. Tache Leon, MD, Tjasa Hranjec, MD, Swenson Brian, MD, Kimberly A. Popovsky, RN, Robert G. Sawyer, MD* - University of Virginia

Discussant: Annabel Barber, MD

56. BLADDER PRESSURE MEASUREMENTS ARE AN INDEPENDENT PREDICTOR OF UTI IN TRAUMA PATIENTS

Therese M. Duane, MD*, Holly Brown, BS, Luke G. Wolfe, MS, Ajai K. Malhotra, MD, Michel B. Aboutanos, MD, MPH, Rao R. Ivatury, MD - Virginia Commonwealth University

Discussant: Preston Roy Miller III, MD

12:30 MEETING ADJOURNMENT