Surgical and Trauma Outcomes Research: Current Status and Future Directions

Friday, March 15, 2013
UC Davis School of Medicine, Matsui Lecture Hall (1222)
4610 X St., Sacramento, CA 95817

Featured Speakers:

9:00-10:00am
"Trauma Care: From Practice to Policy"

Avery B. Nathens, MD, PhD
Surgeon in Chief, Professor of Surgery
University of Toronto
Canada Research Chair, Systems of Trauma Care

Dr. Nathens is a practicing trauma surgeon and epidemiologist with a focus on trauma system design. He is an active member of the American College of Surgeons Committee on Trauma and is Director of the American College of Surgeons Trauma Quality Improvement Program. He holds the Canada Research Chair in Systems of Trauma Care and has published many landmark peer-reviewed papers in the Lancet, NEJM and JAMA focusing on trauma system design and implementation. Dr. Nathens has had extensive experience evaluating quality of care, and trauma system effectiveness.

10:15-11:15am
“Making Trauma Data Actionable”

N. Clay Mann, PhD, MS
Professor of Pediatrics, Associate Adjunct Professor of Family and Preventive Medicine
University of Utah School of Medicine
Director of Research, Intermountain Injury Control Research Center

Dr. Mann currently serves as the Principal Investigator for the National EMS Information System (NEMSIS) Technical Assistance Center and serves on several national committees related to injury prevention, trauma care and emergency medical services. Dr. Mann has published over 100 peer-reviewed research articles dealing with traumatic injuries to children, trauma system evaluation, cardiac and trauma resuscitation and the role of emergency medical services in health care. Dr. Mann has served as principal investigator or co-investigator on numerous federal, state, foundation or industry grants. He has also participated in several randomized, controlled community trials dealing with cardiac resuscitation, acute coronary disease education and paramedic training.
12:00-1:00pm
"Outcome Disparities in Trauma Care: Who, Why, When?"

Edward E. Cornwell III, MD, FACS, FCCM
Surgeon-in-Chief, Howard University Hospital
Chair of the Department of Surgery
Howard University College of Medicine

Dr. Cornwell is Professor of Surgery and Chairman of Surgery at Howard University. His career interest is in the prevention and treatment of traumatic injuries, and their critical care sequelae. He has authored or co-authored over 130 articles and chapters and has given over 300 invited scientific presentations in the field. Dr. Cornwell is the former Chief Editor of the Multidisciplinary Critical Care Knowledge Assessment Program sponsored by the Society of Critical Care Medicine; served as President of the Society of Black Academic Surgeons, President of the Surgical Section of the National Medical Association, and Chairman of TraumaNet of Maryland.

He is currently deputy editor of Archives of Surgery. Dr. Cornwell has received numerous awards and citations for his efforts in education, outreach, and violence prevention. He received the 2003 Champion of Courage Award, Fox 45 TV, Baltimore, MD, as well as the 2005 Whitney M. Young, Jr. Award, presented by the Greater Baltimore Urban League, and the Speaker’s Medallion given by the Speaker of the House of Delegates of Maryland in 2006.

1:00-2:00pm
"Surgical Outcomes Research: A View From Outside Trauma"

Justin B. Dimick, MD, MPH
Associate Professor of Surgery
Chief, Division of Minimally Invasive Surgery
University of Michigan Department of Surgery

Justin B. Dimick, M.D., M.P.H. is Associate Professor of Surgery, Chief of the Division of Minimally Invasive Surgery, and Associate Chair for Faculty Development at the University of Michigan. Dr. Dimick has a busy general surgery practice primarily devoted to advanced laparoscopy. He also directs a research program at the Center for Healthcare Outcomes & Policy (CHOP). With funding from the Agency for Healthcare Research and Quality (AHRQ) and the National Institutes of Health (NIH), his research focuses on surgical quality and healthcare policy. He has more than 130 peer reviewed publications, including papers in NEJM and JAMA.

Dr. Dimick serves in leadership roles for several national organizations, including as Secretary of the Association of Academic Surgery (AAS), as a member of the Executive Committee of the Surgical Outcomes Club (SOC), and as a member of the Editorial Board for Archives of Surgery. He has served in advisory roles for numerous organizations on issues related to surgical quality and healthcare policy, including the American College of Surgeons-National Surgical Quality Improvement Program (ACS-NSQIP), the Institute of Medicine (IOM), and the Medicare Payment Advisory Commission (MedPAC).
Dr. David C. Chang has been appointed Director of Outcomes Research in the Department of Surgery at the University of California, San Diego School of Medicine. In this role, Dr. Chang develops outcomes-based research programs to help improve the nation’s healthcare systems by shaping the direction of science research, public policy and clinical practice.

Dr. Chang’s research interests include the structure, process, outcomes and quality of trauma care at the hospital level and beyond, with special emphasis on disparities in health care access. Additionally, he has developed risk-stratification indices in trauma, vascular, cardiac, transplant and pediatric surgery, as well as outcomes prediction models.

Dr. Chang has published more than 100 peer-reviewed original research articles, book chapters and monographs, and has received numerous awards, most recently the EMS Geriatrics Award from the governor of Maryland. He is a member of several advisory committees and review groups such as the Congressionally Directed Medical Research Programs (CDMRP) at the Department of Defense and the Roundtable on Emergency Trauma Research (REMeT) sponsored by the National Institutes of Health. He has served as a reviewer for several prestigious journals including Archives of Surgery and The Lancet.

Nathan Kuppermann, MD, MPH
Professor, Departments of Emergency Medicine and Pediatrics
Bo Tomas Brofeldt Endowed Chair
Department of Emergency Medicine
University of California, Davis

Nathan Kuppermann is a nationally recognized expert in pediatric emergency medicine. He is a national leader in multi-center research in pediatric emergency and trauma care. He has served as a founding investigator of two large multi-center research networks, including the Pediatric Emergency Care Applied Research Network (PECARN), the first federally funded research network in pediatric emergency care. PECARN has published more than 50 peer-reviewed research articles and garnered more than $50 million in federal grant awards. Dr. Kuppermann has made outstanding research contributions, promoting global and national collaborations among leading pediatric emergency departments to advance the care of critically ill and injured children. He has published more than 125 peer-reviewed scientific articles, and has received as PI or co-PI more than $20 million in federal grants and contracts. In PECARN, Dr. Kuppermann led a PECARN project to derive and validate a neurimaging decision rule by studying > 40,000 head-injured children, the results of which were published in the Lancet. He also co-led a similar study to derive an abdominal CT decision rule by enrolling > 12,000 children with blunt abdominal trauma, which was recently published in Annals of Emergency Medicine.

Kuppermann’s research has focused on the clinical, laboratory and radiographic evaluation of children with blunt trauma, but his research has also included the treatment of infectious emergencies in children, and pediatric diabetic ketoacidosis and the risk of cerebral injury and cerebral edema.

Kuppermann is an elected member of the Institute of Medicine (IOM) of the National Academies of Science.
“Competing for NIH Funded Research and Developing Research Collaborations”

Carol Schermer, MD, MPH
Senior Physician Diplomat
Department of Surgery
University of California, Davis

Dr. Schermer is an Associate Professor of Surgery in the Division of Trauma and Emergency Surgery at the University of California Davis Medical Center. She is a Fellow of the American College of Surgeons and is board certified in general surgery and surgical critical care. She has practiced surgical critical care, trauma, and emergency surgery for more than 15 years and has authored more than 50 original papers. She was previously a medical director for IV solutions in a pharmaceutical company and is currently in charge of research in the division of trauma and emergency surgery. She has done NIH and foundation funded research in health behavior change and industry funded work in trauma/peri-operative resuscitation. Her clinical practice is trauma and emergency surgery and surgical critical care. Her clinical research interests include observational and interventional trials to prevent adverse outcomes following trauma and surgery.

“The CTSC Emergency Medicine Research Consortium”

James Holmes, MD, MPH
Professor
Department of Emergency Medicine
University of California, Davis

Dr. Holmes is a Professor of Emergency Medicine and Director of the Emergency Medicine Research Fellowship. His research interests are in the initial evaluation and care of injured patients with particular focus on the care of pediatric trauma patients. He has additional interests in multicenter research and training junior investigators.

“Developing Research Funding Opportunities in Burn Research”

Tina L. Palmieri, MD, FACS, FCCM
Professor, Director
UC Davis Regional Burn Center
Assistant Chief of Burn Surgery,
Shriners Hospital for Children of Northern California

Dr. Palmieri is one of the leaders for Multicenter Trials Research in Burns. Dr. Palmieri’s research focus is analysis of outcomes after burn injury, including both the immediate physical and long-term psychological effects of burn injury on patient quality of life. Dr. Palmieri is Director of the burns Data Coordination Center at UC Davis. She has received funding from the Department of Defense to study the impact of limiting blood transfusions on burn survival and infection rates. In addition, she studies how the body deals with acute burn stress (the hypothalamic-pituitary-adrenal response) after burn injury, and the long-term psychosocial impact of burn injury in both children and the elderly. Dr. Palmieri is one of the leaders of the Burn Multicenter Trials Group, which brings burn centers together to share information and to perform meaningful outcomes research.

Dr. Palmieri is the incoming Chief of Staff and is currently Chair of the Intensive Care Unit Committee. In addition, Dr. Palmieri is nationally and internationally known by her participation on the American Burn Association (ABA) Board of Trustees and International Association of Fire Fighters Burn Foundation Board of Medical Advisors.