

24<sup>th</sup> Annual

USC National Trauma,  
Emergency Surgery and  
Surgical Critical Care  
Symposium



Thursday and Friday

July 13-14, 2017

Langham Huntington

Pasadena, California

*Presented by:*

*The Division of Acute Care Surgery*

*USC Office of Continuing Medical Education*

*Institute of Continuing Education for Nurses, Department of Nursing*

*Los Angeles County+USC Medical Center*

Keck School of  
Medicine of **USC**

# COURSE DESCRIPTION

The annual USC National Trauma, Emergency Surgery and Surgical Critical Care Symposium is hosted by the Division of Acute Care Surgery at the Los Angeles County+University of Southern California Medical Center, one of the largest trauma centers in the United States. The symposium features cutting edge lectures, high caliber plenary sessions, interactive and provocative panel discussions, and inspiring keynote addresses by leaders in the field of acute care surgery, trauma and surgical critical care. A balance between evidence-based principles and innovative thought-provoking discussion will be maintained during lively expert debates and video sessions. Each session focuses on understanding the latest medical controversies and the implementation of practical procedural skills.

# TARGET AUDIENCE

This course is intended for physicians, nurses, physician assistants, nurse practitioners, emergency medical technicians, paramedics and other medical personnel working in the field of acute care surgery and trauma care, as well as all allied health professionals who care for adults and seek to enhance their understanding of trauma care and treatment options to optimize management of their patients.

# PROGRAM

## OPTIONAL ASSET COURSE: Wednesday, July 12, 2017

Pre-Course: 8:00 am-4:30 pm

American College of Surgeons' ASSET Course (Advanced Surgical Skills for Exposure in Trauma) LAC+USC Medical Center. Course Director: Lydia Lam, MD

Separate registration required. Contact Angela Martinez at [amartinez@surgery.usc.edu](mailto:amartinez@surgery.usc.edu)

## Thursday, July 13, 2017

6:15 am Registration and Breakfast  
7:30 am Welcome  
*Demetrios Demetriades, MD, PhD*

7:35 am Opening Remarks  
*Robit Varma, MD, MPH*

**Session 1: Prehospital and  
Emergency Room Hot Issues**  
**Moderator: Marianne Gausche-Hill, MD**

7:45 am The Role of Midlevel Providers in  
Prehospital Care  
*Marc Eckstein, MD*

8:00 am Prehospital Resuscitation: Pelvic  
Binders, Blood Transfusions,  
TXA: Ready for Routine Use?  
*Brant Putnam, MD*

8:15 am Compressible and Non-  
Compressible Bleeding:  
Prehospital Management!  
*Stacey Shackelford, MD*

8:30 am Prehospital Needle  
Thoracostomy: Use, Abuse and  
Pitfalls  
*Martin Schreiber, MD*

8:45 am Discussion

**Session 2: In the ICU: Difficult Decisions!**  
**Moderator: Perren Cobb, MD**

9:00 am ECMO in Trauma  
*David Shavelle, MD*

9:15 am Pulmonary Embolism:  
Unfractionated Heparin,  
LMWH, Thrombolysis or  
Mechanical Intervention?  
*Damon Clark, MD*

9:30 am Surviving Sepsis Guidelines:  
Saving Lives or Perpetuating a  
Fallacy?  
*Meghan Lewis, MD*

9:45 am Ventilator-Associated Events,  
Ventilator-Associated Compli-  
cations, Possible VAP, Probable  
VAP and More Confusion!  
*Paul Holtom, MD*

10:00 am Open vs. Percutaneous and Early  
vs. Late Tracheostomy in the ICU  
*Michael Sise, MD*

10:15 am Immunonutrition for the  
Critically Ill Surgical Patient:  
Useful, Harmful or Does It  
Matter?  
*Daniel Margulies, MD*

10:30 am Discussion

10:45 am Break

### Session 3: Keynote Lecture

Moderator: Demetrios Demetriades, MD, PhD

11:15 am Challenging Dogma in Trauma! A Personal Odyssey  
*Kenneth Mattox, MD*

### Session 4: Rapid Session: Capsule Commentaries Non-Trauma Abdominal Surgical Emergencies: Challenging Dogma

Moderator: Daniel Margulies, MD

11:45 am Optimal Timing for Cholecystectomy in Acute Cholecystitis  
*Kazuhide Matsushima, MD*

11:52 am Appendicitis: Straight to the Operating Room or Treat with Antibiotics?  
*Morgan Schellenberg, MD*

11:59 am Non-Operative Management of Complicated Appendicitis: Is Interval Appendectomy the Standard of Care?  
*James Bardes, MD*

12:06 pm Acute Care Imaging: What to Order and Why?  
*Lee Myers, MD*

12:13 pm Emergency Colectomy for Complicated Diverticulitis: Primary Anastomosis or Hartmann's?  
*Sang Lee, MD*

12:20 pm Discussion

12:35 pm Lunch

### Session 5: Luncheon Session

Moderator: Thomas Berne, MD

12:45 pm 10 Best Papers in Acute Care Surgery 2015-2017  
*Martin Schreiber, MD*

### Session 6: Trauma Surgical Education

Moderator: Kenneth Mattox, MD

1:45 pm Trauma Surgical Education in 2017  
*Maura Sullivan, PhD*

2:00 pm Cadaver Simulation for Trauma Training  
*Elizabeth Benjamin, MD, PhD*

2:15 pm Discussion

### Session 7: REBOA Debate

Moderator: Kenji Inaba, MD

2:30 pm Widespread Use is the Wave of the Future!  
*Carlos Brown, MD*

2:45 pm Another Useless Device!  
*David Spain, MD*

3:00 pm Resolution: Let's Agree!

3:15 pm Break

### Session 8: One Hour with Dimitri: Believe it or Not!

Moderator: Demetrios Demetriades, MD, PhD

3:45 pm Panel  
*Mark Kaplan, MD*  
*David Spain, MD*  
*Brant Putnam, MD*  
*Michael Sise, MD*  
*Peter Rhee, MD*

4:45 pm Adjourn

### Friday, July 14, 2017

6:45 am Registration and Breakfast

### Session 9: Surgical Infections and Enteric Fistulas

Moderator: Mark Kaplan, MD

7:30 am Severe Soft Tissue Infections: Advances in Local Care  
*Elizabeth Benjamin, MD, PhD*

7:45 am Preventing Surgical Site Infections  
*Aaron Strumwasser, MD*

8:00 am Enteric Fistulas: Optimizing Management  
*Mark Kaplan, MD*

8:15 am Discussion

### Session 10: Trauma Anesthesia and Critical Care

Moderator: Joshua Tobin, MD

8:25 am VTE Prophylaxis in Trauma- When Do I Start It?  
*H. Gill Cryer, MD, PhD*

### ACKNOWLEDGEMENT

*The Division of Acute Care Surgery, Institute of Continuing Education for Nurses, Department of Nursing and Los Angeles County+USC Medical Center is grateful to KCI for an educational grant in support of the symposium.*

8:40 am Transfusion Therapy Including  
Viscoelastic Testing  
*Shihab Sugeir, MD*

8:55 am Airway Management for the  
Trauma Patient  
*Rodney McKeever, MD*

9:10 am Beta Blockers in the Critically  
Ill Patient: The Evidence!  
*Subarna Biswas, MD*

9:25 am Physiologic Monitoring During  
Active Resuscitation  
*Joshua Tobin, MD*

9:40 am Discussion

### Session 11: Keynote Lecture

Moderator: Demetrios Demetriades, MD, PhD

9:55 am Leadership and Operational  
Decision Making-Fundamentals  
from Spaceflight  
*Leroy Chiao, PhD*  
*NASA Astronaut and*  
*ISS Commander*

10:30 am Break

### Session 12: The Coroner's Corner

Moderator:

Lakshmanan Sathyavagiswaran, MD

11:00 am Stand-In for Murder  
*Craig Harvey, BS, F-ABMDI*

11:20 am The Michael Jackson Case  
*Lakshmanan Sathyavagiswaran, MD*

11:40 am Discussion

### Session 13: Military Session: Putting Lessons Learned on the Battlefield to Work on Our Streets

Moderator: Travis M. Polk, MD

11:55 am TCCC: Tactical Combat  
Casualty Care-Prehospital  
Update  
*Rodd Benfield, MD*

12:10 pm NASEM Report on Integrating  
Military and Civilian Trauma  
Centers  
*Stacey Shackelford, MD*

12:25 pm Implementing STOP THE  
BLEED  
*Travis M. Polk, MD*

12:40 pm Discussion

12:50 pm Lunch

### Session 14: Luncheon Session

Moderator: Elizabeth Benjamin, MD, PhD

1:00 pm Updates on Local and Systemic  
Hemostatic Agents  
*Peter Rhee, MD*

### Session 15: Critical Care: Organ Donation

Moderator: Lydia Lam, MD

2:00 pm The Human Aspects of Organ  
Donation and Transplantation-  
Facts, Figures, and Faces  
*Kenneth Moritsugu, MD, MPH,*  
*FACPM, RADM, USPHS (Ret)*

2:30 pm Pediatric Organ Donation  
*Jeffrey Upperman, MD*

2:45 pm Bedside Family Care  
*Maybeth Cala Francone, RN*

3:00 pm Discussion

3:15 pm Break

### Session 16: Rheoparady: The Best Fellow

Moderator: Peter Rhee, MD

3:45 pm Rheoparady!  
Panel:  
*Caroline Park, MD-LAC+USC*  
*Rich Vasak, MD-Harbor-UCLA*  
*TBD, Cedars-Sinai Medical Center*

4:35 pm Raffle/Adjourn  
*Lydia Lam, MD*  
*Elizabeth Benjamin, MD, PhD*

## **KEYNOTE SPEAKERS**

### **Leroy Chiao, PhD:** *Former NASA Astronaut, International Space Commander*



Leroy Chiao is a former NASA astronaut and International Space Station commander. A veteran of four space missions, Dr. Chiao most recently served as Commander and NASA Science Officer of Expedition 10 aboard the International Space Station. He has logged over 229 days in space - over 36 hours of which were spent in Extra-Vehicular Activity (EVA, or spacewalks). In 2009, he served on the White House appointed Review of U.S. Human Spaceflight Plans Committee, and currently serves on the NASA Advisory Council.

A native English speaker, Dr. Chiao also speaks Mandarin Chinese and Russian. He has flown space missions and worked closely with Russian, Japanese and European Astronauts and their affiliated space agencies. A Space Station Commander and Space Shuttle Mission Specialist, Dr. Chiao was also a certified Co-Pilot of the Russian Soyuz spacecraft. He is an expert in all facets of U.S. and Russian EVA hardware and operations and is EVA certified in U.S. and Russian spacesuits, tools, and training programs.

### **Kenneth L. Mattox, MD:** *Distinguished Service Professor, Michael E. DeBakey Department of Surgery at Baylor College of Medicine and Chief of Staff/Chief of Surgery at the Ben Taub General Hospital, Houston, Texas*



Kenneth L. Mattox, MD, is one of the most recognized surgeons in America and the world. His name has become synonymous with trauma education, research and innovation. He is Distinguished Service Professor of the Michael E. DeBakey Department of Surgery at Baylor College of Medicine and Chief of Staff/Chief of Surgery at the Ben Taub General Hospital, Houston, Texas. He has made original and significant contributions in trauma and authored over 600 articles and more than 1000 abstracts. His textbook, *Trauma*, is an international best seller. He is co-editor of the *Sabiston Textbook of Surgery*, now in its 19 edition and recognized throughout the world. Additionally, he has co-authored *Top Knife*, a best seller, which has been translated into eight foreign languages. Dr Mattox served in leadership positions in numerous professional organizations, including the American College of Surgeons and the AAST. He has been a visiting professor or keynote speaker in more than 60 countries and has been honored with more honorary fellowships and national society memberships than any other trauma surgeon in the world.

### **Kenneth P. Moritsugu, MD, MPH, FACPM:** *Rear Admiral, USPHS (Retired)*



Dr. Moritsugu obtained his MD from the George Washington University in Washington DC. He subsequently got his Master of Public Health in Health Administration and Planning from the University of California, Berkeley, in 1975. He is board certified in Preventative Medicine.

Rear Admiral Kenneth Moritsugu served in many diverse assignments in uniform, including Acting Surgeon General of the United States.

Admiral Moritsugu has received numerous honors and awards, including the Surgeon General's Medallion with two gold stars, twelve honorary degrees, and Distinguished Service Medals from the USPHS, the Federal Bureau of Prisons, and the Uniformed Services University of the Health Sciences.

He currently serves on the Board of Directors for the Washington Regional Transplant Community. He has spoken extensively both internationally and domestically on this subject. Most recently, he was a keynote speaker at the White House Summit on Organ Donation, in June 2016

Dr. Kenneth P. Moritsugu lost his wife, Donna Lee Jones Moritsugu, in an automobile accident in 1992, and his daughter Vikki Lianne in a separate automobile accident in 1996. Both were organ and tissue donors. He has been intimately involved with organ and tissue donation and transplantation ever since.



## **FACULTY**

### **SYMPOSIUM DIRECTORS**

**Keck School of Medicine of USC**  
**Los Angeles, California**

**Demetrios Demetriades, MD, PhD, FACS**

Professor of Surgery  
Director, Division of Acute Care Surgery

**Kenji Inaba, MD, MSc, FACS, FRCS**

Associate Professor of Surgery  
Medical Director, Surgical ICU  
Division of Acute Care Surgery and  
Surgical Critical Care

**Lydia Lam, MD, FACS**

Assistant Professor of Clinical Surgery  
Division of Acute Care Surgery and  
Surgical Critical Care

**Elizabeth Benjamin, MD, PhD**

Assistant Professor of Clinical Surgery  
Division of Acute Care Surgery and  
Surgical Critical Care

### **SPECIAL INVITED GUESTS**

**Rohit Varma, MD, MPH**

Dean, Keck School of Medicine of USC  
May S. and John Hooval Dean's Chair in Medicine  
Grace and Emery Beardsley Chair  
in Ophthalmology  
Chair, USC Care Board of Directors  
Los Angeles, CA

### **GUEST FACULTY**

**Carlos V.R. Brown, MD, FACS**

Associate Professor and  
Vice-Chairman of Surgery  
Chief of Trauma  
University Medical Center Brackenridge  
Austin, TX

**H. Gill Cryer, MD, PhD**

Professor and Chief  
Division of Trauma and Acute Care Surgery  
David Geffen School of Medicine at UCLA  
Los Angeles, CA

**Marianne Gausche-Hill, MD,  
FACEP, FAAP**

Medical Director, Los Angeles County  
EMS Agency  
Professor of Clinical Medicine and Pediatrics  
David Geffen School of Medicine at UCLA  
Los Angeles, CA

**Craig Harvey, BS, F-ABMDI**

Coroner-Operations Consultant  
LA County

**Mark Kaplan, MD, FACS**

Professor of Surgery and  
Director of Acute Care Surgery  
Albert Einstein Medical Center  
Philadelphia, PA

**Daniel Margulies, MD, FACS**

Chief, Acute Care Surgery  
Professor of Surgery  
Cedars Sinai Medical Center  
Los Angeles, CA

**Brant A. Putnam, MD**

Professor of Surgery  
David Geffen School of Medicine at UCLA  
Chief, Division of Trauma/Acute Care  
Surgery/Surgical Critical Care  
Harbor-UCLA Medical Center  
Los Angeles, CA

**Peter Rhee, MD, MPH, FACS**

Professor of Surgery  
Director of Trauma,  
Critical Care and Emergency Surgery  
University of Arizona  
Tucson, AZ

**Lakshmanan Sathyavagiswaran, MD**

Former Chief Coroner of LA County  
Los Angeles, CA

**Martin Schreiber, MD**

Professor and Chief  
Division of Trauma, Critical Care and  
Acute Care Surgery  
Oregon Health and Science University  
Portland, OR

**Stacey Shackelford, MD, FACS**

Colonel, Medical Corps, United States Air Force

**Michael Sise, MD, FACS**

Director of Trauma  
Scripps Mercy Hospital  
Clinical Professor  
UC San Diego  
San Diego, CA

**David Spain, MD, FACS**

Professor of Surgery  
Stanford University School of Medicine  
Chief of Trauma/Critical Care Surgery  
Stanford University Medical Center  
Stanford, CA

## **FACULTY**

### **KECK SCHOOL OF MEDICINE OF USC and LAC+USC MEDICAL CENTER**

**Rodd Benfield, MD, FACS**

Captain, Medical Corps, U.S. Navy

**Thomas Berne, MD, FACS**

Professor Emeritus of Surgery

**Subarna Biswas, MD**

Assistant Professor of Clinical Surgery  
Division of Acute Care Surgery and  
Surgical Critical Care

**Damon Clark, MD**

Assistant Professor of Clinical Surgery  
Division of Acute Care Surgery and Surgical  
Critical Care

**Marc Eckstein, MD, MPH, FACEP**

Professor of Emergency Medicine  
Director of Pre-Hospital Care, LAC+USC  
Medical Director, LA Fire Department

**Maybeth Cala Francone, RN, BSN**

Clinical Instructor  
LAC+USC Network  
College of Nursing and Allied Health

**Paul Holtom, MD**

Hospital Epidemiologist  
LAC+USC Medical Center  
Adjunct Clinical Professor of Medicine  
and Orthopaedics

**Sang Lee, MD**

Chief of Colon Rectal Surgery  
Professor of Clinical Surgery  
Division of Colorectal Surgery

**Meghan Lewis, MD**

Assistant Professor of Clinical Surgery

**Kazuhide Matsushima, MD**

Assistant Professor of Clinical Surgery  
Division of Acute Care Surgery and Surgical  
Critical Care

**Rodney McKeever, MD, DABA, FCCP**

Clinical Assistant Professor of Anesthesiology  
Assistant Director of Clinical Operations,  
Operation Room Coordinator  
Department of Anesthesiology  
LAC+USC Medical Center

**Lee Myers, MD**

Assistant Professor of Clinical Radiology

**Travis M. Polk, MD, FACS**

Commander, Medical Corps, U.S. Navy  
Assistant Professor of Clinical Surgery  
Navy Trauma Training Center

**David Shavelle, MD**

Associate Professor of Clinical Medicine  
Division of Cardiovascular Medicine  
Director, Cardiac Catheterization Laboratories  
LAC+USC Medical Center  
Director, Cardiovascular Fellowship Program

**Aaron Strumwasser, MD**

Assistant Professor of Clinical Surgery  
Division of Acute Care Surgery and Surgical  
Critical Care

**Shihab Sugeir, MD**

Assistant Professor of Anesthesiology  
Department of Anesthesiology

**Maura E. Sullivan, PhD, MSN**

Associate Professor of Clinical Surgery  
Associate Dean for Education Simulation,  
Keck School of Medicine  
Executive Director of the Surgical Stimulation  
and Education Center, USC

**Joshua M. Tobin, MD**

Associate Professor of Anesthesiology  
Director, Trauma Anesthesiology  
Department of Anesthesiology

**Jeffrey Upperman, MD, FACS, FAAP**

Associate Professor of Surgery  
Director, Trauma Program  
Children Hospital Los Angeles

## **FELLOWS**

**James Bardes, MD**

Trauma Fellow

**Caroline Park, MD**

Trauma Fellow

**Morgan Schellenberg, MD**

Trauma Fellow

**Rich Vasak, MD**

Surgical Critical Care Fellow  
Harbor-UCLA

## **COURSE OBJECTIVES**

At the conclusion of the program the participant should be able to:

- Outline optimal care in the prehospital setting.
- Integrate new technology and devices for monitoring and treatment in trauma and critical care.
- Outline methods to improve mass casualty and disaster planning at your home institution.
- Plan an evidence-based approach to current controversies in trauma and critical care patient management.
- Devise methods to improve organ donation programs at your home institution.
- Integrate new temporizing and definitive management options for complex surgical disease.

## **COURSE INFORMATION**

### **Course Proceedings**

Provided to all registrants on a flash drive at on site check-in.

### **Meeting Location**

Langham Huntington Hotel, 1401 S. Oak Knoll Drive, Pasadena, California 91106

### **Parking**

Valet parking is discounted \$29 overnight/\$14 daily.

### **Hotel**

To book a room at the Langham Huntington, call (626) 568-3900 and ask for group reservations. Mention USC Trauma Symposium or the Keck School of Medicine of USC to receive the special rate under the room block. Room rate is \$229 Deluxe King or \$199 Classic King. Please make reservations before June 9, 2017.

### **Cancellation Policy**

Registration cancellations must be received by the USC Office of CME by fax or email by July 7, 2017, 4:00 pm PST for a refund of tuition to be issued. A \$50 cancellation fee will be applied. USC will not refund any travel costs incurred.

In the event of course cancellation by conference organizers, all registration fees will be fully refunded. USC will not refund any travel costs incurred.

### **Currency**

All registration payments must be in U.S. currency.

### **Accreditation Statement**

The Keck School of Medicine of the University of Southern California is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

### **Credit Designation**

The Keck School of Medicine of the University of Southern California designates this live activity for a maximum of 16 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Provider approved by the California Board of Registered Nursing, Provider Number CEP00105 for 16 contact hours. These courses have been approved for 13.5 hours of continuing education by California EMS CE Provider #19-0012. Objectives available upon request.



## **REGISTRATION FORM**

### **24<sup>th</sup> Annual USC National Trauma, Emergency Surgery and Surgical Critical Care Symposium on July 13-14, 2017**

NAME \_\_\_\_\_

DEGREE \_\_\_\_\_ MEDICAL LICENSE# \_\_\_\_\_

TELEPHONE \_\_\_\_\_ FAX \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_

ZIP CODE \_\_\_\_\_ SPECIALTY \_\_\_\_\_

EMAIL ADDRESS\* \_\_\_\_\_

INSTITUTIONAL AFFILIATION \_\_\_\_\_

SPECIAL DIETARY OR PHYSICAL NEEDS \_\_\_\_\_

\* Correspondence and confirmations are sent by email.

### **TUITION**

**Early registration fees apply until July 7, 2017, noon PST.**

Physician ☐ \$500 July 13-14 ☐ \$300 One Day Attendance

Allied Health Professional ☐ \$375 July 13-14 ☐ \$200 One Day Attendance

Fellow/Resident/Student ☐ \$300 July 13-14 ☐ \$175 One Day Attendance

Optional Printed Syllabus ☐ \$35 Must be pre-ordered and paid by June 30, 2017.

*Note: Complimentary flash drive of the syllabus distributed onsite.*

**Late registration fees apply after July 7, 2017 at noon PST.**

Physician ☐ \$550

Allied Health Professional ☐ \$425

Fellow/Resident/Student ☐ \$350

### **METHOD OF PAYMENT**

☐ Check (Payable to USC) ☐ Credit Card (Visa or Mastercard only)

**No cash accepted.**

Visa/Mastercard # \_\_\_\_\_

Expiration Date \_\_\_\_\_ Three digit security code on back of card \_\_\_\_\_

Authorized Signature \_\_\_\_\_ Amount \$ \_\_\_\_\_

### **REGISTRATION**

Mail completed registration form and check payment to:

Office of CME, 1540 Alcazar Street, CHP 223, Los Angeles, California, 90033.

Online: [www.usc.edu/cme](http://www.usc.edu/cme). Go to Quick Links, click on Conference Calendar

Phone: (323) 442-2555 or toll-free: 1(800) USC-1119 | Fax: 1(888) 665-8650

Email: [usccme@usc.edu](mailto:usccme@usc.edu) | Website: [www.usc.edu/cme](http://www.usc.edu/cme)

On site payment: Huntington Ballroom at the Langham Huntington

July 13, 2017: 6:15 am | July 14, 2017: 6:45 am

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# Keck School of Medicine of USC

Office of Continuing Medical Education

1540 Alcazar Street, CHP 223

Los Angeles, CA 90033



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University  
of Southern  
California

## **24<sup>th</sup> Annual**

## **USC National Trauma, Emergency Surgery and Surgical Critical Care Symposium**

July 13-14, 2017

Langham Huntington: 1401 S. Oak Knoll Avenue  
Pasadena, California 91106