27th Annual USC National Trauma, Critical Care and Acute Care Surgery Symposium



June 17-18, 2021

Langham Huntington in Pasadena Hybrid-Limited Live Attendance & Virtual Registration Eligible for American Board of Surgery (ABS)-MOC self-assessment credit maximum of 16 AMA PRA Category 1 Credits™

Presented by: The Division of Acute Care Surgery USC Office of Continuing Medical Education Institute of Continuing Education for Nurses, Department of Nursing LAC+USC Medical Center

Keck School of Medicine of USC

COURSE DESCRIPTION

The annual USC National Trauma, Critical Care and Acute Care Surgery Symposium is presented by the Division of Acute Care Surgery at the Los Angeles County+University of Southern California (LAC+USC) 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. 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, prehospital providers 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

Thursday, June 17, 2021

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

Opening Remarks Jorge Orozco CEO, LAC+USC Medical Center

Session 1: Prehospital and Emergency Department

Moderator: Carl R. Chudnofsky, MD

- 7:30 am Challenges in the Triage and Care of the Trauma Patient in the COVID-19 Pandemic Jan Schoenberger, MD
- 7:45 am Doctors in the Ambulances: Do They Make a Difference? *Nichole Bosson, MD*
- 8:00 am C-Collars: Contra-Indications and Pitfalls Brant A. Putnam, MD
- 8:15 am Prehospital Management of Non-Compressible Bleeding Damon H. Clark, MD
- 8:30 am REBOA: More Than Just a Tool for Trauma? *Megan Brenner, MD*
- 8:45 am Discussion

Session 2: Military Session Moderator: CDR Paul Wisniewski, DO

- 8:55 am Military-Civilian Partnerships: Pursuing Zero Preventable Deaths! COL Stacey A. Shackelford, MD
- 9:10 am Advances in Resuscitative Care COL (ret.) Matthew Martin, MD
- 9:25 am Body Armor: Missile and Blast Injuries CDR Brian Knipp, MD
- 9:40 am Discussion
- 9:50 am Break

Session 3: Distinguished Professor and Keynote Speaker Moderator: Demetrics Demetriades, MD, PhD

10:20 am Keynote Lecture: Reflections of an Academic Surgeon, Educator and Researcher *Kenneth L. Mattox, MD*

Session 4: Challenging Problems in Acute Care Surgery! Moderator: Kazuhide Matsushima, MD

- 11:05 am Small Bowel Obstruction in the Virgin Abdomen *Kyle Mock, MD*
- 11:15 am Abdominal Compartment Syndrome: Diagnostic and Therapeutic Pitfalls *Eugenia Lee, MD*
- 11:25 am Toxic Megacolon: Diagnostic and Therapeutic Challenges *Glenn T. Ault, MD, MSEd*
- 11:35 am Necrotizing Soft Tissue Infections Elizabeth R. Benjamin, MD, PhD
- 11:45 am Discussion
- 11:55 am Lunch Pick-Up

Session 5: Luncheon Session Introduction: Demetrios Demetriades, MD, PhD

12:05 pm Bias, Compassion, and Professionalism in Trauma Care *Michael Sise, MD*

Session 6: Organ Donation Moderator: Lydia Lam, MD

- 12:55 pm Organ Donation and the Donor Family Experience *Melea Balwan, MA*
- 1:05 pm Organ Donation During COVID: the RN Perspective *Leo Laoang, RN*
- 1:20 pm Ethical Dilemmas: Registered Donor but Family Does Not Agree! *Lydia Lam, MD*
- 1:35 pm Discussion

Session 7: Challenging Dogma in Trauma Moderator: Kenji Inaba, MD, MSc

- 1:45 pm Gunshot Wounds to Abdominal Solid Organs: Selective Nonoperative Management is the New Standard of Care *Morgan A. Schellenberg, MD, MPH*
- 1:55 pm Prehospital Spinal Board: Science or Dogma? *Emily Dubina, MD*
- 2:05 pm Blunt Trauma Duodenal Hematomas: Observe, Operate, Unroof? *Eric J. Ley, MD*
- 2:15 pm Is ICP Monitoring in Head Trauma the Standard of Care? *Peter Rhee, MD, MPH*
- 2:25 pm Discussion
- 2:30 pm Break

Session 8: Challenging Problems in Trauma Moderator: Meghan Lewis, MD

- 3:00 pm Systemic and Local Hemostatic Agents: Prehospital, ED and Operating Room Jay J. Doucet, MD
- 3:10 pm Minimizing Radiation Burden in Trauma and Alternative Options *Lee A. Myers, MD*
- 3:20 pm Intrahospital Transport of the Critical Patient Joshua Hewko, BSN, CCRN
- 3:30 pm Discussion

Session 9: Capsule Commentaries: Trauma Care Moderator: Aaron Strumwasser, MD, MS

- 3:40 pm Reducing Surgical Site Infection *Timothy S. Park, MD*
- 3:48 pm Human Bites: Antibiotics, Suturing and Other Controversies *Cristina Novak, MD*
- 3:56 pm Thoracostomy Tube Insertion: Tips, Pitfalls and Catastrophies *Brent Emigh, MD*
- 4:04 pm Thoracic Aorta Stenting for Trauma: Revisiting Device-Related Complications *Gregory Magee, MD*
- 4:12 pm ECMO in Trauma: Pushing the Envelope Bradley Allen, MD
- 4:20 pm Discussion Session 10: One Hour with Dimitri: Believe It or Not!
- Moderator: Demetrios Demetriades, MD, PhD
- 4:30 pm Panel Daniel R. Margulies, MD Jay J. Doucet, MD Brant A. Putnam, MD Megan Brenner, MD, MS COL (ret.) Matthew Martin, MD 5:20 pm Adjourn

Friday, June 18, 2021

7:00 am Registration and Breakfast

Session 11: In the ICU Moderator: Meghan Lewis, MD

- 7:30 am Rescue Ventilation in the ICU Subarna Biswas, MD, MS
- 7:40 am Challenges of Taking Care of the COVID-19 Patient: Lessons Learned in a Large Trauma Center *Christine Mercado, RN*
- 7:50 am Ambulation of the Mechanically Ventilated Patient J. Perren Cobb, MD
- 8:00 am Anesthesia for the Severe Trauma Patient: Tips and Pitfalls *Rodney McKeever, MD*
- 8:10 am COVID-19: Critical Care Challenges Meghan Lewis, MD
- 8:20 am Discussion

ACKNOWLEDGEMENT

The Division of Acute Care Surgery, Institute of Continuing Education for Nurses, Department of Nursing and LAC+USC Medical Center is grateful to **3M+KCI** for an educational grant to support this symposium.

Session 12: Community and International Programs Moderator: Damon H. Clark, MD

- 8:30 am Surgical Equity in the US: Where Are We Now? Rochelle A. Dicker, MD
- 8:40 am Trauma Care and Violence Prevention in the Immigrant Community *Christopher Foran, MD*
- 8:50 am Trauma Care in Low Socioeconomic Countries Joseph A. Herrold, MD, MPH
- 9:00 am Discussion

Session 13: Keynote Speaker

Introduction: Demetrios Demetriades, MD, PhD

- 9:10 am Keynote Lecture: Space Medicine-Preparing for Space Flight Launch and Landing Medical Emergencies *Philip C. Stepaniak, MD*
- 9:45 am Break
- Session 14: Coroner's Corner Moderator: Thomas Noguchi, MD
- 10:15 am The Role of CT Scan in Coroner's Trauma Cases Odey Ukpo, MD
- 10:30 am Unusual Coroner's Cases Odey Ukpo, MD
- 10:45 am Discussion

Session 15: Video Sessions: How To... Moderator: Elizabeth R. Benjamin, MD, PhD

- 10:52 am Leg and Buttock Fasciotomy Lindsey C. Karavites, MD, MPH
- 11:00 am Cricothyroidotomy: Tips, Pitfalls, Catastrophies and Controversies Joelle E. Getrajdman, MD
- 11:08 am Axillary Vessels Emily Switzer, MD
- 11:16 am Duodenal Exposure Benjamin Franklin, MD
- 11:24 am USC-Navy Trauma Training Center Collaboration CDR Paul Wisniewski, DO
- 11:32 am Discussion
- 11:42 am Lunch Pick-Up
- Session 16: Luncheon Session Moderator: Elizabeth R. Benjamin, MD, PhD
- 12:10 pm Preparing for Trauma Center Verification: What to Do and Not Do! Daniel R. Margulies, MD

Session 17: Challenging and Controversial Issues

Moderator: H. Gill Cryer, MD, PhD

- 12:40 pm VTE Prophylaxis in Severe Trauma: Timing and Modality *Areg Grigorian, MD*
- 12:50 pm Double Hit: The Burn Patient with Associated Trauma *Leigh Spera, MD*
- 1:00 pm Rib Plating 2021: The Evidence Kazuhide Matsushima, MD
- 1:10 pm The Mangled Extremity: What to Do, Who Should Do It, and When? *H. Gill Cryer, MD, PhD*
- 1:20 pm Discussion

Session 18: Debate: Routine Use of Pelvic Binders Moderator: Kenji Inaba, MD, MSc

- 1:30 pm Pro: Routine Prehospital and Emergency Room Application for All Suspected Fractures COL (ret.) Matthew Martin, MD
- 1:45 pm Con: We Are Repeating the MAST Suit Mistakes! Dennis Y. Kim, MD
- 2:00 pm Resolution: Let's Agree!
- 2:08 pm Break

Session 19: Abdominal Catastrophies Moderator: Lydia Lam, MD

- 2:30 pm The Septic Abdomen: Negative Pressure Therapy, Instillation Therapy or Laparotomy on Demand? *Mark Kaplan, MD*
- 2:45 pm Enteroatmospheric Fistulas: The Local Control Nightmare! *Angela Kwan, PT, DPT*
- 3:00 pm Definitive Closure of the Difficult Open Abdomen: Tips and Pitfalls *Mark Kaplan, MD*
- 3:15 pm Discussion

Session 20: Rheeopardy Moderator: Peter Rhee, MD, MPH

- 3:20 pm Panel of Fellows Areg Grigorian, MD LAC+USC Surgical Critical Care Ryan McPherson, DO Harbor-UCLA Surgical Critical Care Felix Yong, MD Cedars-Sinai Surgical Critical Care
- 3:55 pm Closing Remarks + Raffle *Lydia Lam, MD*
- 4:00 pm Adjournment

COURSE OBJECTIVES

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

•Outline optimal care in the prehospital and hospital settings.

•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.

•Integrate new temporizing and definitive management options for complex surgical disease.

•Prepare a plan for epidemics or pandemics in a hospital setting.

KEYNOTE SPEAKERS

Kenneth L. Mattox, MD

Distinguished Service Professor, Michael E. DeBakey Department of Surgery Baylor College of Medicine and Chief of Staff/Chief of Surgery at the Ben Taub General Hospital



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 in Houston, Texas. He has made original and significant contributions in trauma and authored over 600 articles and more than 1,000 abstracts. His textbook, *Trauma*, is an international best seller. He is co-editor of the *Sabiston Textbook of Surgery*, now in its 19th edition and recognized throughout the world. Additionally, he has coauthored *Top Knife*, a best seller, which has been translated into ten foreign languages. For the past 30 years, he has been the Program Director of the Las Vegas Trauma, Critical Care, and Acute Care Surgery Conference, the largest and most prestigious trauma conference in the world.

Dr. Mattox served in leadership positions in numerous professional organizations, including the American College of Surgeons and the AAST. His leadership role in education has been recognized by his election as a member of the Academy of Master Surgeon Educators of the American College of Surgeons. He has been a visiting professor or keynote speaker in more than 60 countries and has been honored with numerous honorary fellowships and national society memberships.

Philip C. Stepaniak, MD NASA/Johnson Space Center Operational Flight Surgeon International Space Station



Dr. Philip C. Stepaniak is a NASA/Johnson Space Center Operational Flight Surgeon for the International Space Station and the Commercial Crew Program and the lead to the NASA JSC Contingency Medical Group for NASA spacecraft accidents.

He has served as the NASA/JSC Medical Operations Branch lead for the Space Shuttle Program in which he trained and supported astronauts for 29 Space Shuttle missions as their crew flight surgeon. He also served as a Major and flight surgeon with the United States Air Force Reserves Medical Corps.

He is a co-editor of the published NASA texts - "Biomedical Results of the Space Shuttle Program" and "Loss of Signal" - Aeromedical Lessons Learned from the STS-107 Columbia Space Shuttle Mishap.

Dr. Stepaniak has received numerous NASA service awards including being a recipient of the Rotary National Space Foundation Award, the 2007 W. Randolph Lovelace Award from the Society of NASA Flight Surgeon and the NASA Exceptional Service Medal.

FACULTY

SYMPOSIUM DIRECTORS Keck School of Medicine of USC Los Angeles, California

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Professor and Vice Chair of Surgery Division of Acute Care Surgery and Surgical Critical Care

Lydia Lam, MD, FACS

Associate Professor of Clinical Surgery Director of Surgical Critical Care Fellowship Program Division of Acute Care Surgery

Kazuhide Matsushima, MD, FACS

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

SPECIAL INVITED GUEST

Jorge Orozco CEO, LAC+USC Medical Center Los Angeles, CA

GUEST FACULTY

Elizabeth R. Benjamin, MD, PhD, FACS

Associate Professor of Surgery Trauma Medical Director, Grady Memorial Hospital Emory University Atlanta, GA

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FACULTY

GUEST FACULTY

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FACULTY Keck School of Medicine of USC and LAC+USC Medical Center

BURN FELLOW Leigh Spera, MD

SURGICAL CRITICAL CARE FELLOWS

Emily Dubina, MD Brent Emigh, MD Benjamin Franklin, MD Areg Grigorian, MD Cristina Novak, MD

TRAUMA FELLOWS

Joelle E. Getrajdman, MD Lindsey C. Karavites, MD, MPH Timothy S. Park, MD Emily Switzer, MD

VISITING FELLOWS

Felix Yong, MD Cedars-Sinai Medical Center Ryan McPherson, DO Harbor-UCLA

OPTIONAL ADVANCED CADAVER COURSE OFFERED

REBOA/BEST course offered Wednesday, June 16, 2021 from 8:30 am to 1:00 pm at LAC+USC Medical

Center. Limited space, register early. Separate registration and fee from the symposium. Please contact Angela Martinez at **angela.martinez@med.usc.edu** to register. A full hands-on experience! ACS-COT course with certificate of completion covering indications, contraindications, procedure and cadaver experience.

Tuition: \$1,800 includes breakfast, lunch and all lab fees.

Instructor: Kazuhide Matsushima, MD

COURSE INFORMATION

Course Proceedings

Emailed to all registrants before and after the conference.

Meeting Location

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

Parking

Valet parking is discounted \$25 overnight/\$12 daily.

<u>Hotel</u>

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 \$269 Superior Room accommodations. **Please reserve before June 4, 2021 to secure rate.**

The USC Office of CME strongly encourages registrants to book overnight accommodations at the Langham Huntington Hotel. By staying at the conference headquarters hotel, you help the USC Trauma Symposium meet its contractual obligations with the hotel and maintain your current conference benefits, as well as keep future hotel guest room rates and registration fees reasonable.

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*TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The following may apply *AMA PRA Category 1 Credit(s)*[™] for license renewal: Registered Nurses may report up to 16 credit hour(s) toward the CME requirements for license renewal by their state Board of Registered Nurses (BRN). CME may be noted on the license renewal application in lieu of a BRN provider number. Physician's Assistants: The National Commission on Certification of Physicians' Assistants states that *AMA PRA Category 1 Credits*[™] accredited courses are acceptable CME requirements for recertification.

Self-Assessment CME Credit, Part 2 of the American Board of Surgery (ABS) Maintenance of Certification (MOC) Program: This activity has also been designated as Self-Assessment CME credit, applicable to Part 2 of the ABS MOC Program.

For additional information on the ABS MOC program and its requirements, visit the ABS website: www.absurgery.org.

Prehospital CE will be offered by LAC+USC Prehospital #19-0012. 9 hours for June 17, 7 hours for June 18.

REGISTRATION FORM

27th Annual USC National Trauma, Critical Care and Acute Care Surgery Symposium: June 17-18, 2021, Langham Huntington in Pasadena

Hybrid: Limited Live Attendance & Virtual Registration*

COVID-19 Guidelines and Cancellation Policy

*COVID-19 guidelines issued by the Centers for Disease Control, Los Angeles County and the University of Southern California will be strictly observed. If live attendance is discouraged as conference date approaches, registrants will have the option of participating virtually or requesting a full refund. Proof of vaccination or negative test results 48 hours prior to live attendance will be required.

Registration cancellations must be emailed to the USC Office of CME by June 14, 2021, noon PDT for a refund of tuition to be issued.

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

LIVE REGISTRATION: LIMITED AVAILABILITY

Physician	🗅 \$500, June 17-18	🛾 \$300, June 17	🗅 \$300, June 18
NP/PA/RN/AH	🗅 \$375, June 17-18	🗅 \$200, June 17	🗅 \$200, June 18
Fellow/Resident/Student	□ \$300, June 17-18	🗅 \$175, June 17	🗅 \$175, June 18

VIRTUAL REGISTRATION

Physician	🗅 \$175, June 17-18
NP/PA/RN/AH	🗅 \$150, June 17-18
Fellow/Resident/Student	🖵 \$135, June 17-18

Access to recording available for 30 days after the conference.

OPTIONAL SESSION: "REBOA Training BEST COURSE"

Wednesday, June 16, 2021 at LAC+USC Medical Center. Limited Space.

Separate registration and cover fee. Contact **angelamartinez@med.usc.edu** to register. CME eligible for Physician only.

Physician: \$1800

METHOD OF PAYMENT

 \Box Check (Payable to USC) No cash accepted.

Credit Card (American Express, Mastercard or Visa only)

Credit Card Number_____

Expiration Date ______ Security Code______

Authorized Signature ______ Amount \$ _____

REGISTRATION

* Correspondence and confirmations are sent by email.

Keck School of Medicine of USC

Office of Continuing Medical Education 1540 Alcazar Street, CHP 223 Los Angeles, CA 90033



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Symposium

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

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