



State of California Virtual Trauma Summit

October 6, 2022
8:00 AM – 12:30 PM

REACHSM
A Global Medical Response Solution

KEY TOPICS

- ✓ The Color of The Book Doesn't Matter: The Realities of Operationalizing New Trauma Hospital Standards
- ✓ Repatriation: Turning the Impossible into The Possible
- ✓ Trauma Center Designation: Is It Too Much or Not Enough?

Elizabeth Winward, MA
State Trauma System Coordinator
Elizabeth.Winward@emsa.ca.gov

CONTINUING EDUCATION PROVIDED THROUGH REACH AIR MEDICAL SERVICES

- ✓ REACH Air Medical Services is an approved provider by the California Board of Registered Nursing, Provider Number CEP #9697 for 3.5 contact hours
- ✓ This course has been approved for 3.5 hours of continuing education by an approved California EMS CE Provider, #34960
- ✓ To receive continuing education hours, participants must attend the entire event
- ✓ At the conclusion of the Trauma Summit, a link for the evaluation/test will be provided. This will need to be completed before the continuing education certificate can be sent
- ✓ The continuing education certificates will be sent within two weeks of the class. For questions, please contact Margaret.Franklin@gmr.net



LEARNING OBJECTIVES

- ✓ Describe how the new patient standards were changed in the updated version of *Resources for Optimal Care of the Injured Patient*
- ✓ Understand how to integrate new requirements as defined by the updated version of *Resources for Optima Care of the Injured Patient*
- ✓ Identify potential barriers to Repatriation
- ✓ Learn about the purpose of Repatriation Transportation Guidelines
- ✓ Identify who may designate trauma facilities in California, according to Health & Safety Code §1798.165
- ✓ Learn about the process of determining the need for additional trauma centers from Local EMS Agencies

VIRTUAL TRAUMA SUMMIT SCHEDULE: OCTOBER 6, 2022

- 8:00 – 8:05** **INTRODUCTIONS**
Elizabeth Winward, MA
State Trauma System Coordinator, Emergency Medical Services Authority
- 8:05 – 8:10** **WELCOME**
Hernando Garzón, MD
Acting Medical Director, Emergency Medical Services Authority
- 8:10 – 8:40** **DISPARITIES IN TRAUMA CARE IN THE COVID-19 ERA – MODERATED BY ROBERT MACKERSIE, MD, FACS**
Andre Campbell, MD, FACS, FACP, FCCM, MAMSE
- 8:40 – 9:55** **THE COLOR OF THE BOOK DOESN'T MATTER: THE REALITIES OF OPERATIONALIZING NEW TRAUMA HOSPITAL STANDARDS – MODERATED BY JOHN STEELE, MD**
How does the Resources for Optimal Care of the Injured Patient 2022 Differ from the 2014 Version? – Dan Margulies, MD, FACS
A Dose of Reality & Tips for Success: The Trauma Nurse Leader Perspective – Heidi Hotz, RN
Updated Standards in a Virtual Verification World: The Trauma Medical Director Perspective – Todd Costantini, MD
Get Ready for Kids: Implementing the New Trauma Center Guidelines for Pediatric Readiness – Marianne Gausche-Hill, MD, FACEP, FAAP, FAEMS
- 9:55 – 10:00** **BREAK**
- 10:00– 11:05** **REPATRIATION: TURNING THE IMPOSSIBLE INTO THE POSSIBLE – MODERATED BY JAMES HINSDALE, MD**
Repatriation of Hospitalized Trauma Patients – Thomas Dailey, MD
Repatriation: It's not just for Inpatients – Eileen Hoover, RN, BSN, MSN
Repatriation: It Takes Two for this Complicated Tango/Tangle – Lawrence Sue, MD, FACS
Complex International Trauma Repatriation – Gregory M. Smith, MD
- 11:05 – 12:10** **TRAUMA CENTER DESIGNATION: IS IT TOO MUCH OR NOT ENOUGH? – MODERATED BY DAVID SHATZ, MD**
One More Trauma Center Can't Hurt? Let Data Drive the Decision! – Michael Jacobs, EMT-P
Incorporating Level IV Trauma Centers into an Established Trauma System – Shanna Kissel, MSN, RN
Development of Rural Trauma Systems in California – Larry Karsteadt, MS
- 12:10 – 12:25** **STATE OF THE STATE TRAUMA SYSTEM**
Hernando Garzón, MD
Acting Medical Director, Emergency Medical Services Authority
- 12:30** **END OF TRAUMA SUMMIT**

CALIFORNIA EMERGENCY MEDICAL SERVICES AUTHORITY



Hernando Garzón, MD

State Address

Acting Medical
Director

Hernando Garzón Jr., MD has practiced Emergency Medicine in California since 1992. In 2021, Dr. Garzon was appointed Acting Medical Director to the Emergency Medical Services Authority (EMSA). He has served as the Sacramento County EMS Medical Director since 2008. Dr. Garzón worked closely with EMSA and Department of Public Health to develop California SARS-CoV-2 Crisis Care Guidelines during the pandemic. Dr. Garzón's dedication to disaster response is evidenced by his 14 domestic disaster response deployments with the FEMA Urban Search and Rescue System, which include the Oklahoma City bombing, the World Trade Center during 9/11, and New Orleans during Hurricane Katrina, along with his 18 international disaster responses which include the Southeast Asia Tsunami, earthquakes in Kashmir, Haiti and Mexico, civil violence Kenya and Nigeria, famine in Somalia, and the Ebola outbreak in West Africa. Dr. Garzón has helped develop capacity building volunteer medical programs in Kenya, Zambia, Tanzania, Vietnam, Cambodia, Honduras, Colombia, and other countries. Dr. Garzón has served on national and state panels to define Crisis Medical Care guidelines and Pandemic Flu guidelines, and he has been a consultant for the U.S. Department of State on medical care for weapons of mass destruction.



Elizabeth Winward, MA

Summit Planner & MC

State Trauma System
Coordinator

Elizabeth Winward, MA has been the State Trauma System Coordinator for the Emergency Medical Services Authority (EMSA) since 2017. She coordinates the continued development and implementation of California's Trauma System in accordance with Health & Safety Code and Regulations. Elizabeth has 25 + years of experience in health program administration that includes working for the State of Utah, University of California, Davis Medical Center, and the State of California. Elizabeth's education includes a bachelor's degree from Utah State University and a master's from California State University, Sacramento. She resides in Loomis, CA with her family.

DISPARITIES IN TRAUMA CARE IN THE COVID-19 ERA



**Robert C. Mackersie,
MD, FACS**

Moderator

Professor of Surgery
Department Of
Surgery University of
California, San
Francisco

Robert C. Mackersie, MD, FACS is a certified by the American Board of General Surgery, general certificate with subspecialty in surgical critical care. His practice is in general and trauma surgery, which includes vascular and thoracic surgery. In addition, he is a regular attending on the Surgical Critical Care Service at Zuckerberg San Francisco General Hospital and Trauma Center and serves as Vice-Chief of Surgery.

Dr. Mackersie is a graduate of UC Berkeley and Michigan State University Medical School. He completed his internship, residency and chief residency training in general surgery and surgical critical care at the University of California, San Francisco, where he continued his specialty training and completed a trauma research fellowship. Dr. Mackersie joined the faculty at the University of California, San Diego University Hospital from 1985-1991. Dr. Mackersie was appointed the Trauma Medical Director in 1992 at the University of California/San Francisco General Hospital (now Zuckerberg San Francisco General) and has been instrumental in expanding the multidisciplinary activities related to the Trauma Program. Dr. Mackersie currently serves as an officer for several surgical organizations and is a Governor of the American College of Surgeons.

Dr. Mackersie has been appointed Secretary/Treasurer for the American Association for the Surgery of Trauma. He has expanded the Trauma Nurse Practitioner program and has progressed in developing the first aero-medical transport facility at San Francisco General Hospital. Dr. Mackersie has been appointed Commissioner for the State of California Emergency Medical Services Authority, which is appointed by the Governor/California Speaker of the House. He continues to direct the national program in Trauma System Planning and Evaluation for the American College of Surgeons, which includes the development of national benchmarks for trauma systems and trauma centers, and the creation of national guidelines for trauma systems development.

DISPARITIES IN TRAUMA CARE IN THE COVID-19 ERA



**Andre Campbell, MD,
FACS, FACP, FCCM,
MAMSE
Faculty**

Professor of Surgery,
UCSF School of
Medicine

Vice Chair for Diversity,
Equity, and Inclusion,
UCSF, Department of
Surgery

Founding Member
Haile T. Debas, MD,
Academy of Medical
Educators

Member, ACS
Academy of Master
Surgical Educators
(MAMSE)

Director, UCSF Surgical
Critical Care Fellowship

Emeritus Endowed
Chair of Surgical
Education, UCSF
Department of Surgery

Director Surgical
Critical Care
Fellowship, UCSF
Department of Surgery

Adjunct Professor
Uniform University of
the Health Science

Andre Campbell, MD, FACS, FACP, FCCM, MAMSE is currently Professor of Surgery at the University of California, San Francisco, School of Medicine. He is also an attending trauma surgeon at Zuckerberg San Francisco General Hospital and Trauma Center. Dr. Campbell attended Harvard University, where he received his Bachelor of Arts degree in Biology in 1980. He attended medical school at the University of California, San Francisco and received his MD degree in 1985. His formal training was at Columbia University Medical Center in New York City. Dr. Campbell is fully trained in internal medicine, general surgery, and surgical critical care. He has been on the faculty at University of California, San Francisco based at San Francisco General Hospital for the past two decades. His research and clinical interest have been the ICU care of trauma patients, acute lung injury after trauma, the abdominal compartment syndrome, and surgical education. Dr. Campbell has received numerous awards from medical school students at the School of Medicine. His educational accomplishments have been celebrated both locally at UCSF and nationally. He was recognized for his educational accomplishments as a founding member of the Haile T. Debas Academy of Medical Educators. In 2003, he was appointed Endowed Chair of Surgical Education at University of California, San Francisco for two five-year terms. He served as Clerkship Director for the third-year medical student undergraduate education program at all the UCSF hospitals over a twenty-year period. Dr. Campbell has directed the Surgical Critical Care Fellowship at the University of California, San Francisco for 22 years and has trained many fellows who now practice trauma, surgical critical care, and acute care surgery across the United States and internationally. In the past, he served as Medical Director of the Trauma Intensive Care Unit at the Zuckerberg San Francisco General Hospital for 20 years. He was selected to serve on the Verification Review Committee of the American College of Surgeons Committee on Trauma. In addition, he serves on the Board of Governors of the American College of Surgeons Executive Committee, and he is now Secretary for the organization. Dr. Campbell was appointed the Inaugural Vice-Chair for Diversity, Equity and Inclusion in the Department of Surgery at UCSF, School of Medicine. Two years ago, he was elected as a full member of the American College of Surgeons Master Surgical Educators. He was recently appointed Adjunct Professor to the Uniform University of the Health Sciences. He is also the author of numerous articles, abstracts and has lectured throughout the United States and around the world. Dr. Campbell is a master surgeon, teacher, mentor, clinical researcher, and clinical educator in the department of surgery at UCSF.

THE COLOR OF THE BOOK DOESN'T MATTER: THE REALITIES OF OPERATIONALIZING NEW TRAUMA HOSPITAL STANDARDS



John Steele, MD
Moderator

Trauma Program
Medical Director
Palomar Medical
Center

John Steele, MD completed his residency at the Medical University of Ohio with a fellowship in Trauma and Critical Care at University of California, San Diego Medical Center. He is boarded in Surgery with added qualifications in Surgical Critical Care.

Dr. Steele is an appointed member of the State Trauma Advisory Committee and has served in several capacities over the years, including Chair of the Southeast Regional Trauma Coordinating Committee.



Heidi Hotz, RN
Faculty

Trauma Program
Manager,
Department of
Surgery
Cedars-Sinai
Medical Center

Heidi Hotz, RN is an executive trauma nurse leader overseeing the Level I trauma program at Cedars-Sinai Medical Center. She has served in the elected position of President for 4 trauma professional organizations: Society of Trauma Nurses, American Trauma Society, Trauma Managers Association of California (TMAC), and the Los Angeles Association of Trauma Program Managers. She is the recipient of the STN's Trauma Leadership Award. She was awarded the Eastern Association for the Surgery of Trauma Honorary Membership; being the second nurse to receive this honor. She is a senior survey team member for the American College of Surgeons Trauma Systems and Evaluation Program. Heidi was appointed the first Chair of the ATCN National-International Committee by the STN Board of Directors. She spearheaded this educational initiative to attain ACS COT approval of this program collaborating with the ATLS Subcommittee. Heidi has been an invited expert participant for many national trauma initiatives and projects such as the ATS Leadership Forums, the screening & brief intervention for alcohol in trauma initiative, the Model Trauma System Plan work group, and patient centered care initiatives, to name only a few.

THE COLOR OF THE BOOK DOESN'T MATTER: THE REALITIES OF OPERATIONALIZING NEW TRAUMA HOSPITAL STANDARDS



**Daniel R. Margulies,
MD, FACS**

Faculty

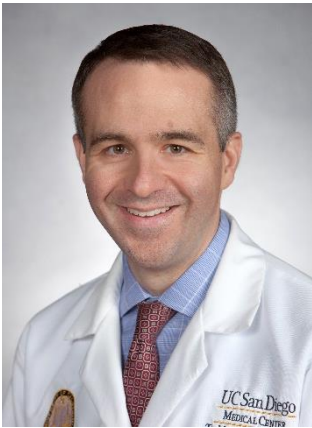
Professor of Surgery
Director, Trauma
and Acute Care
Surgery
Chief, Section of
Trauma, Emergency
Surgery & Surgical
Intensive Care
Cedars-Sinai
Medical Center

Daniel R. Margulies, MD, FACS is the Chief, Section of Trauma, Emergency Surgery and Surgical Intensive Care at Cedars-Sinai Medical Center in Los Angeles, California. He is Professor of Surgery at Cedars-Sinai Medical Center and Health Sciences Clinical Professor of Surgery at the University of California at Los Angeles David Geffen School of Medicine. He is board certified in general surgery and surgical critical care.

Dr. Margulies earned his bachelor's degree from Stanford University in mechanical engineering and earned his medical degree from the University of Hawaii John A. Burns School of Medicine, where he is from. He completed his general surgery internship and residency at the University of Hawaii School of Medicine, followed by a Clinical Fellowship in Surgical Critical Care at Cedars-Sinai Medical Center.

Dr. Margulies has been a member of the teaching faculty at Cedars-Sinai Medical Center, a Level I Trauma Center, for over 25 years. In his current role as Trauma Medical Director and Director of Acute Care Surgery he oversees trauma, emergency surgery and surgical critical care. Dr. Margulies is dedicated to professional organizations both regionally and nationally. He has been an active member of the American College of Surgeons' Committee on Trauma and recently served as Chairman of the Verification Review Committee. He is past President of the Southwestern Surgical Congress, and of the Southern California Chapter of the American College of Surgeons, past Chairman of the Southern California Committee on Trauma, and past Commissioner for the State of California Emergency Medical Services Commission after serving as a Los Angeles County commissioner to the Emergency Medical Services. He is active in many societies and serves on editorial boards including the Journal of Trauma and Acute Care Surgery and the European Journal of Trauma. In addition to his clinical and teaching interests as faculty of the general surgery residency program, and as past director of the Surgical Critical Care Fellowship at Cedars-Sinai, Dr. Margulies has a wide interest in surgical research in trauma and surgical critical care. He is widely published in peer-reviewed journals.

THE COLOR OF THE BOOK DOESN'T MATTER: THE REALITIES OF OPERATIONALIZING NEW TRAUMA HOSPITAL STANDARDS



Todd Costantini, MD Faculty

Professor, Division of Trauma, Surgical Critical Care, Burns and Acute Care Surgery, UC San Diego School of Medicine

Trauma Medical Director, UC San Diego Hillcrest Level I Trauma Center

Chair, San Diego County Trauma Medical Audit Committee

Todd Costantini, MD is a Professor in the Division of Trauma, Surgical Critical Care, Burns and Acute Care Surgery in the Department of Surgery at the UC San Diego School of Medicine. He currently serves as Trauma Medical Director at the UC San Diego- Hillcrest Level I Trauma Center and the Chair of the San Diego County Trauma Medical Audit Committee.

Dr. Costantini is a graduate of the University of Minnesota Medical School. He completed his General Surgery Residency and Trauma/Surgical Critical Care Fellowship at UC San Diego. Dr. Costantini runs an active translational research program in both clinical and basic science that has resulted in over 140 peer reviewed publications and several book chapters. He has an NIH-funded basic research laboratory that aims to understand the biology of human inflammation after injury, focusing on regulation of anti-inflammatory pathways mediating the immune response to injury. His clinical research efforts focus on pelvic fracture management and optimizing venous thromboembolism (VTE) prophylaxis for injured patients.

Dr. Costantini has held several leadership positions including Chair of the Multi-institutional Trials Committee for the AAST, State Chair for the San Diego/Imperial Committee on Trauma and is a current member of the Scientific Advisory Council for the Coalition for National Trauma Research (CNTR). Dr. Costantini is an Associate Editor of the Journal of Trauma and Acute Care Surgery.

THE COLOR OF THE BOOK DOESN'T MATTER: THE REALITIES OF OPERATIONALIZING NEW TRAUMA HOSPITAL STANDARDS



Marianne Gausche-Hill, MD, FACEP, FAAP, FAEMS
Faculty

Medical Director,
Los Angeles
County EMS
Agency

Professor of Clinical
Emergency
Medicine and
Pediatrics, David
Geffen School of
Medicine at UCLA

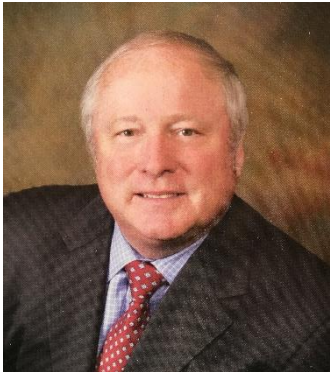
Clinical Faculty,
Harbor-UCLA
Medical Center,
Departments of
Emergency
Medicine, and
Pediatrics

Marianne Gausche-Hill, MD, FACEP, FAAP, FAEMS is the Medical Director for Los Angeles County Emergency Medical Services (EMS) Agency, Professor of Clinical Emergency Medicine and Pediatrics at the David Geffen School of Medicine at UCLA and serves as Clinical Faculty at Harbor-UCLA Medical Center in Torrance, CA. She is nationally and internationally known for her work as an EMS researcher and educator, and for her leadership in the field of EMS and pediatric emergency medicine. She is best known for her study of pre-hospital airway management for children published in JAMA 2000 and her work on the National Pediatric Readiness Project published in JAMA–Pediatrics in 2015.

Dr. Gausche-Hill has won numerous national awards for her leadership in emergency medicine, pediatric emergency medicine and EMS. She currently serves as a senior editor for the textbook, Rosen's Emergency Medicine: Concepts and Clinical Practice, and is the Immediate Past President of the American Board of Emergency Medicine Board of Directors.

Dr. Gausche-Hill is currently a member of the California State Trauma Regulations Workgroup.

REPATRIATION: TURNING THE IMPOSSIBLE INTO THE POSSIBLE



James Hinsdale, MD
Moderator

General Surgery
Specialist, Good
Samaritan Hospital

James Hinsdale, MD has been committed to improving trauma care for over 44 years. He is a graduate of the Stanford University Residency and has directed 4 trauma centers in the San Francisco Bay Area. He is Co-chair of the Bay Area Regional Trauma Coordinating Committee with Dr. Adela Garland and a member of the AAST. He believes in helping doctors achieve their best in their careers and is Past President of the California Medical Association.



Eileen Hoover, RN,
BSN, MSN
Faculty

Trauma Program
Manager, Santa
Clara Valley
Medical Center

Eileen Hoover, RN, BSN, MSN has been the Trauma Program Manager at Santa Clara Valley Medical Center since 2012. Eileen holds an RN, BSN, and MSN with an emphasis in nursing education. Eileen has held leadership positions with the Emergency Nurses Association, Emergency Nurses Care Chapter, Emergency Nurses Association, and the Trauma Managers Association of California. Eileen is currently a member of the California State Trauma Regulations Workgroup.

REPATRIATION: TURNING THE IMPOSSIBLE INTO THE POSSIBLE



Thomas M. Dailey, MD
Faculty

Pulmonary/Critical Care, Kaiser Permanente Medical Center, Santa Clara Medical Director of Quality Assurance for Northern California Kaiser Permanente Outside Utilization Review Services (OURS)

Thomas M. Dailey, MD received undergraduate degree at Pomona College in Claremont, CA, and his medical degree from the UCLA School of Medicine. He completed his Internal Medicine residency at Boston City Hospital and his Pulmonary/Critical Care Medicine Fellowship at UC San Diego before joining The Permanente Medical Group at the Santa Clara, CA facility in 1989. Dr. Dailey is board certified in Internal Medicine, Pulmonary Medicine, and Critical Care Medicine. He is an elected Fellow in the American College of Chest Physicians as well as a member of the American Thoracic Society, the California Medical Association for whom he served three terms on the Board of Trustees and the Santa Clara County Medical Association for whom he served on the Executive Council and as President of the Medical Association.

Dr. Dailey has also served on the Board of Directors for the American Lung Association of Santa Clara/San Benito Counties and as Chair of the Board of Directors of Breathe California. He is a former Associate Adjunct Clinical Professor at the Stanford University School of Medicine and served three terms as Chair of the Bay Area Air Quality Management District Hearing Board.

Dr. Dailey practices Pulmonary/Critical Care Medicine at the Kaiser Permanente Medical Center in Santa Clara, having served as Chief of the Department for 32 years. He joined the Kaiser Permanente Outside Utilization Review Services (OURS) program twelve years ago and currently serves as Medical Director of Quality Assurance for Northern California OURS.

On a personal note, Dr. Dailey is married with a daughter, a son and three precocious grandchildren. He is an avid cyclist when not on call and has completed the American Lung Association Big Ride Across America.

REPATRIATION: TURNING THE IMPOSSIBLE INTO THE POSSIBLE



**Lawrence Sue, MD,
FACS**

Faculty

Clinical Professor,
Department of
Surgery, University
of California San
Francisco Fresno,
Center for Medical
Education and
Research

Assistant Chief of
Trauma,
Community
Regional Medical
Center

Lawrence Sue, MD, FACS, is a Clinical Professor, Department of Surgery at the University of California San Francisco Fresno, UCSF Fresno Center for Medical Education and Research.

Dr. Sue received his bachelor's degree in Biology at the University of California, Los Angeles, and his medical degree at the University of Health Sciences/The Chicago Medical School, North Chicago, Illinois, where he was elected to the Alpha Omega Alpha Medical Honor Society. Dr. Sue completed his General Surgery Internship and Residency Program at UCSF Fresno and completed both his Surgical Critical Care Fellowship and Trauma Surgery Fellowship at UCSF Fresno as well.

Dr. Sue has been a core faculty member in the Department of Surgery since 2007. His clinical and didactic teaching involve medical students, residents and fellows in Surgical Critical Care and Acute Care Surgery. Dr. Sue's mentoring activities include, operating, rounding, and evaluating throughout the academic year and encouraging improvement in medical students, residents, and fellows' technical skills as well as encouraging involvement in research. Dr. Sue's focus includes general surgery, trauma, surgical critical care, medical education, trauma prevention, laparoscopy, tactical medicine, and prehospital trauma care.

Dr. Sue is a Fellow of the American College of Surgeons and serves as a member of the Eastern Association for the Surgery of Trauma, the Fresno Madera Medical Society/California Medical Society, and a member of AAST. Dr. Sue is board certified in surgery and critical care.

REPATRIATION: TURNING THE IMPOSSIBLE INTO THE POSSIBLE



**Gregory M. Smith, MD,
FACEP, FAAEM**

Faculty

Regional Medical
Director, EMS and
Ambulance Services,
Kaiser Permanente,
Northern CA

Co-Chair, Emergency
Management
Committee, Kaiser
South Sacramento
Medical Center

EMS Base Station
Medical Director,
Kaiser South
Sacramento Medical
Center Emergency
Services

Gregory M. Smith, MD, FACEP, FAAEM completed medical school at the University of Colorado and completed his residency training in Emergency Medicine at Cook County Hospital in Chicago, Illinois.

Dr. Smith served 13 years as a Naval Flight Surgeon with the US Marine Corps. Prior to moving to California, he was an EMS Medical Director and LifeFlight Medical Director in Florida.

For the past 15 years, Dr. Smith has worked at Kaiser South Sacramento. He is the Regional Medical Director of EMS and Ambulance Services.

Dr. Smith is an appointed member of the California State Trauma Advisory Committee.

TRAUMA CENTER DESIGNATION: IS IT TOO MUCH OR NOT ENOUGH?



David V. Shatz, MD
Moderator

Professor of Surgery
Trauma Surgeon,
Surgical Intensivist
University of California
Davis, Medical Center

David V. Shatz, MD is a Professor of Surgery at the University of California, Davis, where he is a trauma surgeon and surgical intensivist at the UCD Medical Center. Prior to joining the faculty at UC Davis in 2008, he was a faculty member at the University of Miami/Jackson Memorial Hospital for sixteen years.

Besides trauma and surgical critical care, Dr. Shatz is a recognized expert in the field of prehospital care and disaster response. His primary research interests lie in splenic immunology as it relates to trauma. He has been involved in trauma and EMS care both in California and nationally.

Dr. Shatz is an appointed member of the California State Trauma Advisory Committee, and the American College of Surgeons Committee on Trauma.



Michael Jacobs,
Paramedic
Faculty

Specialty Systems of
Care Coordinator,
Alameda County
Emergency Medical
Services
Health Care Services
Agency

Michael Jacobs, Paramedic has been actively working in EMS for over 35 years in the San Francisco Bay Area and is currently coordinating system improvements, education and research related to Cardiac Arrest, STEMI, Stroke, Trauma and CPR in Schools for Alameda County Emergency Medical Services.

In addition, Michael is an EMS Consultant for Coastside Fire Protection District in San Mateo County as well as a Clinical Education Consultant for Stanford Children's Hospital.

TRAUMA CENTER DESIGNATION: IS IT TOO MUCH OR NOT ENOUGH?



Shanna Kissel, MSN, RN

Faculty

Assistant Nurse Manager, Trauma Coordinator, Riverside County EMS Agency Emergency Management Department

Shanna Kissel, MSN, RN has 20 years of clinical nursing experience, specializing in Emergency Department (ED), Trauma Services, and Emergency Medical Services (EMS) leadership. Her nursing career began in the ED, which eventually led to holding the role of Trauma Performance Improvement/Injury Prevention Nurse at one of the Level II trauma centers in Southern California.

Shanna is an active member of the Trauma Managers Association of California (TMAC), having held the title of EMS Director-at-Large for 6 years. She is also an active member of EMS for Children (EMSC) program, the California Trauma Regulations Workgroup, and the Society of Trauma Nurses. Shanna received her Master of Science in Nursing Administration (MSN) in 2011 from California State University Dominguez Hills.

Shanna has been the Assistant Nurse Manager / Trauma Coordinator at the Riverside EMS Agency (REMSA) for the past nine years and, during that time, has assisted with the designation of multiple trauma centers in the region. She has also been an active participant in consultation and verification site surveys from the American College of Surgeons, as both a hospital and pre-hospital liaison. As REMSA's Assistant Nurse Manager, she leverages her educational background, leadership skills, and years of clinical experience to provide expert oversight to the system's specialty care programs, EMS education programs, CQI programs and the pre-hospital system's policy and treatment protocol manual. She is always seeking ways to improve trauma patient care from the system perspective.



Larry L. Karsteadt, MS
Faculty

Executive Director
North Coast
Emergency Medical
Services Agency

Larry Karsteadt, MS is the longest serving Local Emergency Medical Services Agency (LEMSA) Administrator in California, He has participated in EMS system coordination and oversight since its inception. Larry served as the administrative director of Sierra-Sacramento Valley EMS Agency for 6 years, the North Coast EMS Agency for close to 40 years, and occasionally as a contractor specializing in rural EMS and trauma system development.

Larry was a previously appointed member of the State Trauma Advisory Committee and serves as a current a member of the California State Trauma Regulations Workgroup.