

June 9, 2021 8 AM – 12:30 PM Free Virtual Event

KEY TOPICS

- ✓ STEMI Systems of Care
- ✓ Updates in STEMI Management
- ✓ The Future in STEMI Management

Online Registration link:

ca-stemi-summit-2021.eventbrite.com

Attendees Earn 3.25 Hours of CE/CME Credits

Presented in Collaboration with American Heart Association





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Schedule of Events

Time	Title	Speaker/Moderator
8:00 AM - 8:15 AM	Welcome	Dave Duncan, MD
8:15 AM - 9:15 AM	Systems of Care	
	Prehospital STEMI Systems	James Duren, BS
	Achieving EMS and Hospital Bidirectional Data Exchange	Michelle Moss, NRP, FP-C, CSTR
	Cardiac Rehabilitation in STEMI	Kevin Bobrowsky, MD
	Panel Discussion	Moderator: David Lee, MD
9:15 AM - 9:25 AM	Break	
9:25 AM - 10:25 AM	Updates in STEMI Management	
	What's new in the Cath Lab	William French, MD
	Management of Cardiogenic Shock	George Vetrovec, MD
	Impact of COVID-19 on STEMI Management	Ziad Ali, MD
	Panel Discussion	Moderator: David Lee, MD
10:25AM - 10:35 AM	Break	
10:35 AM - 11:35 AM	The Future in STEMI Management	
	Sex Differences in Acute MI	Jennifer Tremmel, MD
	Extracorporeal Life Support (ECLS) Programs	Dave Shavelle, MD
	Driving System Change Through Quality Improvement	Clayton Kazan, MD
	Panel Discussion	Moderator: Nichole Bosson, MD, MPH
11:35 AM - 11:50AM	'State of the State' for STEMI	Dave Duncan, MD
11:50 AM - 12:15 PM	EMSA Q&A	EMSA

Cathy Graham RN, MSN, MBA

STEMI Program Manager, Kaiser Permanente Vallejo

Planning Committee Member

Ms. Cathy Graham is currently the STEMI Manager at Kaiser Permanente in Vallejo, CA. She started in the cath lab at University Health Network — Toronto General — Toronto, Ontario Canada as a staff and in charge RN. She then immigrated to Arizona as a staff RN in the cath lab — eventually become the manager. Then, Ms. Graham moved to Vallejo, CA to started and manage the cath lab at Kaiser. With her leadership, Kaiser Vallejo became a STEMI center in 2012 and it was the first non-surgical site to be licensed as an elective PCI site in the state. Additionally, Ms. Graham has presented at Euro PCR, CCS, & SCIA.



Clayton Kazan, MD

Medical Director, Los Angeles County Fire Department

Faculty Speaker

Dr. Clayton Kazan is a native Angeleno and earned his BS in Biology from UCLA in 1996. While at UCLA, he worked as an EMT for UCLA EMS for three years and moonlighted as an EMT instructor and a dispatcher. He then went on to medical school at the Chicago Medical School where he earned both his MD and MS in clinical pathology in 2001. While in Chicago, he worked as a volunteer Firefighter/EMT for three years and taught EMT and Paramedic classes during his vacations. He then thawed out during an internship at the University of Hawaii before returning to UCLA for his residency in emergency medicine.

From 2005-2018, Dr. Kazan worked as an emergency physician primarily at St. Francis Medical Center, a busy ER and Trauma Center in South Los Angeles. He served as the Chairman and Medical Director of the Emergency Department at St. Francis for 4 years, and he helped open their STEMI Center and Primary Stroke Center. In 2018, Dr. Kazan moved his hospital practice from St. Francis Medical Center to Providence Little Company of Mary Medical Center, Torrance.

Ever the workaholic, Dr. Kazan has also served on the Clinical Faculty in Emergency Medicine at Harbor-UCLA and spent two years as the assistant medical director of the UCLA Paramedic Program, then four years as the Medical Director of the Los Angeles County Paramedic Training Institute (PTI). In April 2015, he got the opportunity to truly embrace his inner EMS geek by taking his dream job as the full-time Medical Director of the Los Angeles County Fire Department.

Dr. Kazan is a board-certified specialist in both Emergency Medicine and EMS, and he is a fellow of both the American College of Emergency Physicians (ACEP) and the National Association of EMS Physicians (NAEMSP). Dr. Kazan's passions include teaching, quality improvement, and process development.



Dave Duncan, MD

Emergency Medical Services Authority Director Dr. David R. Duncan Jr., 58, of Penryn, has been appointed director of the Emergency Medical Services Authority. Duncan has been medical director and executive medical officer at Air Medical Group Holdings and REACH Air Medical Services since 2008. He served as medical director at the California Department of Forestry and Fire Protection from 2010 to 2019. Duncan has served as a staff emergency physician at the Veterans Administration Hospital, Mather since 2016. He was a staff emergency physician at Sierra Nevada Memorial Hospital from 1995 to 2015, at Mercy San Juan Hospital from 1996 to 1999 and at the University of California, Davis Medical Center from 1994 to 1996. He is a member of the Society of Academic Emergency Medicine, American College of Emergency Physicians and American Medical Association. He earned a Doctor of Medicine degree from the University of California, San Diego School of Medicine and completed emergency medicine training at the University of California, Davis Medical Center



David Lee, MD

Professor of Medicine and Director, Cardiac Catheterization and Intervention Laboratories, Stanford University

Planning Committee Member Panel Discussion Moderator

Dr. David Lee is Professor of Medicine and Director, Cardiac Catheterization, and Intervention Laboratories at Stanford University. Having more than 30 years of diverse experiences, especially in Cardiovascular Disease and Internal Medicine, Dr. Lee is the principal investigator to several clinical research trials and has authored several publications. Dr. Lee is also a current member to the California State STEMI and Stroke Technical Advisory Committee and the Past President for the American Heart Association Western States Affiliate.



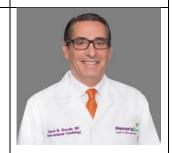
David Shavelle MD, FACC, FSCAI

Director, Department of Cardiology Long Beach Medical Center Memorial Care Heart and Vascular Institute (MHVI)

Faculty Speaker

Dr. David Shavelle is a board-certified in interventional cardiologist and serves as the Medical Director, Adult Cardiology and Interventional Lab and Co-Director, Adult ECMO Program at the MemorialCare Heart & Vascular Institute at Long Beach Medical Center.

Dr. Shavelle completed college at UC Irvine with a degree in Mechanical Engineering before attending UCLA Medical School. He then completed Internal Medicine Residency at Harbor UCLA Medical Center in Torrance. He then worked as a hospitalist at Kaiser Permanente in Harbor City for one year prior to entering General Cardiology Fellowship at the University of Washington, in Seattle WA. He returned to Los Angeles to complete a oneyear fellowship in Interventional Cardiology at Harbor UCLA/Good Samaritan Hospital. He subsequently joined a large private practice Cardiology group at Good Samaritan Hospital, at the same time working at Harbor UCLA in the Division of Cardiology with a faculty appointment at the David Geffen School of Medicine at UCLA. He then spent the last 11 years at the Keck School of Medicine at USC. Among prior leadership positions, he was Director of the Interventional Cardiology Fellowship, Director of the General Cardiology Fellowship, Director of Interventional Cardiology and Service Line Director for Cardiology at Los Angeles County USC Medical Center. For 11 years, he was Director of the Cardiac Catheterization Laboratory at Los Angeles County USC Medical Center and Director of the STEMI Receiving Center Program where USC was consistently ranked among the highest performing hospitals throughout Los Angeles County, receiving commendation from the County Board of Los Angeles in 2017. Dr. Shavelle has received multiple teaching awards including the Golden Apple Award from Keck School of Medicine in 2010 and 2019 and the Faculty teaching award from the Division of Cardiology at Harbor UCLA Medical Center in 2005.



Farid Nasr, MD

Specialty Care Systems, Emergency Medical Services Authority

Planning Committee Member

Dr. Farid Nasr completed and obtained his Medical Diploma in Iran and practiced as a General Physician and Medical Director for a university campus for six years. He then moved to Germany for Post Doctorate Laboratory Research; He established a protocol for a study in Diabetes Type II patients at the Heinrich Heine University, German Diabetes Research Institute, in Düsseldorf, Germany. After moving to California, Dr. Nasr certified his medical diploma by passing the United States Medical Licensing Examinations (USMLEs) and continued his clinical research and publications at the University of California Davis. For more than a decade, Dr. Nasr has worked for the State of California and provides exemplary operational leadership for various healthcare-related programs.



George Vetrovec MD, MACC, MSCAI

Emeritus Professor of Medicine, Pauley Heart Center at Virginia Commonwealth University

Faculty Speaker

Dr. George W. Vetrovec, MACC and MSCAI is an Emeritus Professor of Medicine at VCU Pauley Heart Center at VCU in Richmond, Virginia. His experience covers four decades of interventional cardiology and his research has focused on optimal management of ischemic heart disease particularly involving high risk PCI, most often with reduced Left Ventricular function. He has extensive experience in new cardiovascular device innovation and evaluation. During his career, He has served on the Boards of the AHA, ACC and SCAI, including SCAI President. Dr. Vetrovec remains actively in interventional cardiology, as a consultant, teacher as well as serving on multiple editorial boards and is the Editorial Lead for the Angiography and Interventional Section of ACC.org.



James Duren, BS

Director, San Francisco County EMS Agency

Faculty Speaker

Planning Committee Member

Mr. Jim Duren has over 35 years of experience in EMS. In King County, he served as a paramedic, firefighter, safety officer, infection control officer, training officer, Medical Services Officer, and Chief of EMS. As the Professional Standards Manager for King County EMS, Mr. Duren oversaw training, education, regulatory and compliance certification and recertification for all prehospital care providers in the county, the EMS online CE program director, for Basic Life Support (BLS) QA and cardiac case review. Currently the EMS Director for the City and County of San Francisco Mr Duren is a certified instructor for American Heart Association, BLS, Advanced Cardiac Life Support, and Pediatric Advanced Life Support, and an expert in cardiac resuscitation and high-performance CPR. He speaks at regional and national conferences and works on State and regional system of care projects for JDUREN Consulting.



Jeffrey Saver MD, FAHA, FAAN, FANA

Professor and SA Vice Chair for Clinical Research Carol and James Collins Chair Department of Neurology Director, UCLA Comprehensive Stroke and Vascular Neurology Program David Geffen School of Medicine at UCLA

Planning Committee Member

Dr. Jeffrey Saver is SA Vice-Chair and Professor of Neurology at UCLA, and Director of the UCLA Comprehensive Stroke and Vascular Neurology Program. He trained at Harvard Medical School, the Harvard-Longwood Neurology Training Program (neurology), the University of Iowa (neurobehavior), and Brown (vascular neurology). Author of over 650 research articles, 2 books, and 40 book chapters, Dr. Saver's research interests are in acute stroke treatment, stroke prevention, neuroimaging, clinical trial design, and neurocognitive consequences of stroke. He served as PI of the NIH-NINDS FAST-MAG trial, Global Co-PI of the SWIFT PRIME trial, and Chair of the American Heart Association Stroke Council. He is currently Associate Editor at JAMA, the Journal of the American Medical Association, and Editorial Board Member at the journal Circulation. Dr. Saver has been identified as being among the World's Highest Impact (Top 0.01%) Scientists (per the Stanford METRICS group) and is a recipient of the Feinberg Award from the American Stroke Association, the Distinguished Scientist Award from the American Heart Association, and the Lifetime Research Award from the World Stroke Organization.



Jennifer Tremmel, MD

Associate Professor of Medicine Interventional Cardiologist, Stanford University

Faculty Speaker

Faculty Speaker

Dr. Jennifer A Tremmel is an Associate Professor of Medicine (Cardiovascular) at Stanford, where she works as an interventional cardiologist. She completed her undergraduate and medical degrees at the University of Iowa and did her residency in Internal Medicine at Dartmouth. Prior to coming to Stanford for fellowship, she completed a Maters in Epidemiology at the Harvard School of Public Health. At Stanford, she did fellowships in general cardiology, preventive cardiology, and interventional cardiology.

Shortly after fellowship, Dr. Tremmel started the Women's Heart Health Program at Stanford and now serves as its Susan P. and Riley P. Bechtel endowed Medical Director. She conducts research on sex differences in cardiovascular disease, with much of her work focusing on patients with angina in the absence of obstructive CAD. This includes studying endothelial dysfunction, microvascular dysfunction, and myocardial bridging in patients with stable angina, and myocardial infarction with nonobstructive coronary arteries (MINOCA) and spontaneous coronary artery dissection (SCAD) in patients with acute angina. She also was an early adopter of the transradial approach and is a national expert on the topic. More recently, she started the CTO program at Stanford and has contributed to the field by demonstrating that the radial approach and same-day discharge are readily achievable in complex PCI.



Kevin Bobrowsky MD, FACC

Cardiac Rehabilitation Program Director Kaiser Permanente – Vallejo

Faculty Speaker

Dr. Kevin Bobrowsky, MD is a cardiology specialist in Vallejo, CA. Dr. Bobrowsky completed a residency at Deaconess Hospital. He currently practices at Kaiser Permanente Vallejo Medical Center as the Cardiac Rehabilitation Program Director. In this role, he performs non-invasive cardiology including cardiac CT, nuclear perfusion imaging interpretation, transesophageal echo, stress echo, general outpatient consultation including preventive care and inpatient care including care of STEMI and non-STEMI. Prior invasive duties included diagnostic cardiac catheterization and permanent pacemaker implantation. Prior department work has included peer review and serving as the department technical lead. Dr. Bobrowsky is board certified in Cardiovascular Disease.



Lorraine Chmielewski, RN

Specialty Care Coordinator, San Diego County EMS Agency

Planning Committee Member

Ms. Lorraine Chmielewski has been working as a Quality Assurance Specialist with the County of San Diego, Emergency Medical Services since February of 2018. She is the current STEMI and Stroke coordinator for the County as well as an active EMS Duty Officer. Prior to this role, she worked as a Quality Assurance Specialist with the County of San Diego, Public Health Preparedness and Response Branch where she coordinated volunteer management, exercise planning and training, and medical operations center activities.

Ms. Chmielewski was born and raised in Massachusetts and graduated from Providence College with a bachelor's degree in Health Policy and Management with a certification in Business Administration. She also received her Bachelor of Science degree in Nursing from Massachusetts General Institute of Health Professions. Ms. Chmielewski has been a registered nurse for the past 10 years working in the specialty areas of emergency care, oncology, and surgery. Ms. Chmielewski has been residing in San Diego County since 2013.



Michelle Moss RP, FP-C, CSTR

Trauma/STEMI Systems Coordinator, Sierra-Sacramento Valley EMS Agency

Faculty Speaker

Ms. Michelle Moss is the Specialty Systems Coordinator for S-SV EMS Agency and a retired flight paramedic for REACH Air Medical. She is also the Principal Consultant for The Clinical Solution, a consulting firm, providing clinical education and training services to emerging medical device manufacturers. She has worked for over 25 years as a critical-care clinician, in both the emergency department and pre-hospital environment and as a clinical manager for AMR and Vidacare, a successful start-up that transformed the standard of care in the emergency vascular access industry. She has an extensive background in clinical quality management and has contributed content to EMS publications for Brady and educational programs such as EMPACT.



Nichole Bosson MD, MPH, FAEMS

Assistant Medical Director, Los Angeles County EMS Agency

Planning Committee Member Panel Discussion Moderator

Dr. Nichole Bosson is the Assistant Medical Director at the Los Angeles County EMS Agency. She is an Assistant Clinical Professor at David Geffen School of Medicine at UCLA and faculty and EMS fellowship director in the Department of Emergency Medicine at Harbor-UCLA. She is board certified in EMS Medicine and is actively involved in EMS research, education, and policy development. Her research is focused on regional systems of care for time-critical emergencies including stroke, STEMI, out-of-hospital cardiac arrest and trauma.



Rea Anne Arcangel BSN, MBA

Regional Director Healthcare
QI Business Development,
American Heart Association

Planning Committee Member

Ms. Rea Anne Arcangel started with the American Heart Association/ American Stroke Association (AHA/ ASA) in 2006. She directs systemwide quality improvement initiatives and leads a successful team in statewide and multistate projects with National Health Systems and State Government. A seasoned leader with in-depth industry and organizational expertise, she is passionate about leveraging systematic quality improvement, analytics, and health information technology, including the intersection of public health and population health. Through her collaborative approach she has worked to improve patient outcomes in high risk and diverse communities nationwide.



Rose Colangelo RN, MSN

Director of Emergency Services, Sutter Health

Planning Committee Member

Ms. Rose Colangelo, RN, MSN, CEN is a Director of Emergency Services at Sutter Roseville Medical Center. Ms. Colangelo, a registered nurse since 2004 graduated with her master's in nursing from Point Loma Nazarene in 2015. She is a member of the ACNL Safety, Engagement, and Quality Committee and co-chair of the California Hospital Association EMS/Trauma Committee.



Tom McGinnis, EMT-P

System Division Chief, EMS Authority

Planning Committee Member

Mr. Tom McGinnis the Division Chief for the EMS Systems Division. He has nearly 30 years of experience as an ALS provider and trainer. Mr. McGinnis joined EMSA four years ago, transitioning from an impressive EMS career in the private sector then working with a local EMS agency. During his career, Mr. McGinnis has worked in a variety of programs and roles, including management, data, quality improvement, and communications. During his tenure at EMSA, he has developed a thorough knowledge of our programs and responsibilities and an unmatched enthusiasm for improving EMS statewide.



William French, MD

Professor of Medicine and Director, Cardiac Catheterization Laboratory, Harbor-University of California, Los Angeles Medical Center

Faculty Speaker

Dr. William J. French is Professor of Medicine and Director of the Cardiac Catheterization Laboratory and the Anticoagulation Clinic at Harbor-UCLA Medical Center. He is experienced both as a clinician and as a teacher in the management of various cardiac diseases. Dr. French's research interests span several areas including invasive procedures and treatments, platelet function testing, and antiplatelet and anticoagulation therapies. He has participated in various Phase II and Phase III clinical trials in these areas. Dr. French is also involved in developing new processes of care to improve the management of hospitalized patients with acute coronary syndromes and acute myocardial infarction. For the past 12 years, Dr. French has been on the Advisory Board of the National Registry of Myocardial Infarction (NRMI I, II, III and IV), the largest and most influential clinical cardiovascular database in the USA. He is a well-known speaker on issues related to the clinical management of patients with angina pectoris, acute myocardial infarction, and interventional procedures, as well as in his specialized areas of research as they relate to patient care. Dr. French has authored and co-authored over 180 articles on cardiovascular diseases in journals such as the American Heart Journal, the New England Journal of Medicine, Circulation, and Annals of Emergency Medicine.



Ziad Ali MB ChB (Hons), MRCS, MRCP, DPhil

Associate Professor of Medicine, Columbia University Medical Center

Faculty Speaker

Dr. Ziad Ali is the Director of the DeMatteis Cardiovascular Institute, Director of Investigational Interventional Cardiology and Director of Cardionephrology at St Francis Hospital & Heart Center in New York. He is also Director of the Angiographic Core Laboratory at Cardiovascular Research Foundation and Associate Professor of Medicine at Columbia University Medical Center. His clinical research interests focus on the use of intravascular imaging and physiology technologies such as optical coherence tomography, intravascular ultrasound, and flow wire assessment to optimize coronary interventions, for which he has served as Global principal investigator on several trials. Dr Ali is also a recognized innovator, playing an integral role in the development of the Resting Full-Cycle Ratio (RFR) and Shockwave intravascular lithotripsy. Clinically Dr Ali developed pioneering techniques to perform vascular interventions without contrast administration, including IVUS-guided zero-contrast PCI and OCT using saline flush media, protecting patients with advanced kidney disease from acute kidney injury and the need for dialysis.



Acknowledgments

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Esam (Sergy) El Morshedy: Brochure Production Veronika Skroskaya: Brochure Graphic Design

Program Purpose

The purpose of EMSA's first annual STEMI and Stroke Summit is to provide a forum to disseminate knowledge and best practices for STEMI and Stroke management, with the goal to reduce morbidity and mortality for patients experiencing STEMI and Stroke in California.

Target Audience

Medical personnel and administrative staff involved in the management of STEMI and Stroke patients across the full continuum of care.

Learning Objectives

The Summit will provide an education forum on current trends for optimal care, newest technology, and best practice on both aspects of clinical and system management of care for both ST-Elevated Myocardial Infarction (STEMI) and Stroke patients. Lecture and discussion topics for the Summit will include emerging technologies in care, system optimization, updates in management, and the future in STEMI and Stroke Management.

Disclosure Policy

All persons who develop and/or control educational content in CE activities provided by the American Heart Association will disclose to the audience all financial relationships with any commercial supporters of this activity as well as with other commercial interests whose lines of business are related to the CE-certified content of this activity. In addition, presenters will disclose unlabeled/unapproved uses of drugs or devices discussed in their presentations. Such disclosures will be made in writing in course presentation materials.

California Stroke & STEMI Summit (Day 2); 06/09/2021; (Internet Live Activity)

Joint Accreditation Statements





In support of improving patient care, this activity has been planned and implemented by the American Heart Association. The American Heart Association is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

AMA Credit Designation Statement - Physicians

The American Heart Association designates this live activity for a maximum of 3.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AAPA Credit Acceptance Statement – Physician Assistants

AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 3.25 hours of Category I credit for completing this program.

AANP Credit Acceptance Statement – Nurse Practitioners

American Academy of Nurse Practitioners (AANP) accepts *AMA PRA Category 1 Credit*TM from organizations accredited by the ACCME.

**AMA Credit must be claimed within 6 months of attendance. Credit will no longer be available to claim after December 9, 2021.

ANCC Credit Designation Statement - Nurses

The maximum number of hours awarded for this CE activity is 3.25 contact hours.

**ANCC Credit must be claimed within 6 months of attendance. CE credit will no longer be available to claim after December 9, 2021.

Continuing Education Accreditation – Emergency Medical Services

This continuing education activity is approved by the American Heart Association, an organization accredited by the Commission on Accreditation of Pre-Hospital Continuing Education (CAPCE), for 3.25 Advanced CEHs, activity number 21-AMHA-F1-0030.

By claiming CAPCE credit, the claimant acknowledges the following: I understand that the American Heart Association as a requirement of CAPCE accreditation will submit a record of my course completions to the CAPCE AMS. I further understand that my course completion records may be accessed by or shared with such regulators as state EMS offices, training officers, and NREMT on a password-protected, need-to-know basis. In addition, I understand that I may review my record of CAPCE-accredited course completions by contacting CAPCE.

**CAPCE credit must be claimed within 6 months of attendance. CE credit will no longer be available to claim for this activity after December 9, 2021.