## **UC** Irvine

Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health

## Title

Masthead September 2015

## Permalink

https://escholarship.org/uc/item/2002c2gn

### Journal

Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health, 16(5)

### ISSN

1936-900X

## Author

Lam, Vincent

## **Publication Date**

2015

### **Copyright Information**

Copyright 2015 by the author(s). This work is made available under the terms of a Creative Commons Attribution License, available at <u>https://creativecommons.org/licenses/by/4.0/</u>

# Western Journal of Emergency Medicine:

Integrating Emergency Care with Population Health

Indexed in **MEDLINE** 

Mark I. Langdorf, MD, MHPE, Editor-in-Chief

University of California, Irvine School of Medicine

Sean O. Henderson, MD, Senior Associate Editor Keck School of Medicine, University of Southern California

**Shahram Lotfipour, MD, MPH, Managing Associate Editor** University of California, Irvine School of Medicine

Rick A. McPheeters, DO, Associate Editor Kern Medical Center

Edward Michelson, MD, Associate Editor Case Western University

#### **Section Editors**

AAEM/RSA Michael Gottlieb, MD Cook County Hospital

Andrew W. Phillips, MD, MEd Stanford/Kaiser Emergency Medicine

Behavioral Emergencies Michael P. Wilson, MD, PhD University of California, San Diego

Leslie Zun, MD, MBA Chicago Medical School

Clinical Practice Michael Abraham, MD University of Maryland

Eric Snoey, MD Alameda County Medical Center

David Thompson, MD University of California, San Francisco

Kenneth S. Whitlow, DO Kaweah Delta Medical Center

**Critical Care** Joseph Shiber, MD University of Florida - College of Medicine

Todd Slesinger, MD North Shore University Hospital

Christopher "Kit" Tainter, MD University of California, San Diego

Disaster Medicine Christopher Kang, MD Madigan Army Medical Center

Gentry Wilkerson, MD University of Maryland

Education Douglas Ander, MD Emory University

Jeffrey Druck, MD University of Colorado

Michael Epter, DO Maricopa Medical Center **ED Administration** Gary Johnson, MD Upstate Medical University

James Langabeer II, MBA, EMT, PhD University of Texas Medical School

**Emergency Cardiac Care** Michael Kurz, MD University of Alabama at Birmingham

Amal Mattu, MD University of Maryland

Emergency Medical Services Christopher Kahn, MD, MPH University of California, San Diego

Derek Cooney, MD State University of New York Upstate Medical University, New York

Joshua B. Gaither, MD Arizona State University, Tuscon

Shira A. Schlesinger, MD, MPH University of California, Irvine

Geriatrics Teresita M. Hogan, MD University of Chicago

Kathleen Walsh, DO, MS University of Wisconsin

**Infectious Disease** Robert Derlet, MD *University of California, Davis* 

Sukhjit S. Takhar, MD Harvard Medical School

**Injury Prevention** Bharath Chakravarthy, MD, MPH University of California, Irvine

Wirachin Hoonpongsimanont, MD University of California, Irvine International Medicine Chris Mills, MD, MPH Santa Clara Valley Medical Center

Rolando Valenzuela, MD University of Southern California

Legal Medicine Greg P. Moore, MD, JD Madigan Army Medical Center

Methodology and Biostatistics Craig Anderson, MPH, PhD University of California, Irvine

Elizabeth Burner, MD, MPH University of Southern California

Christian McClung, MD University of Southern California

Musculoskeletal Juan F. Acosta DO, MS Pacific Northwest University

**Neurosciences** Edward P. Sloan, MD, MPH University of Illinois at Chicago

William D. Whetstone, MD University of California, San Francisco

Pediatric Emergency Medicine Judith Klein, MD University of California, San Francisco

Paul Walsh, MD, MSc University of California, Davis

Muhammad Waseem, MD Lincoln Medical & Mental Health Center

Public Health Jeremy Hess, MD, MPH Emory University

Chadd Kraus, DO Lehigh Valley Health Network

Trevor Mills, MD, MPH Northern California VA Health Care **Resident/Student/Fellow Forum** John Ashurst, DO *Lehigh Valley Health Network* 

Cecylia Kelley, DO Inspira Health Network

**Technology in Emergency Medicine** Sanjay Arora, MD University of Southern California

Robert L. Rogers, MD University of Kentuky

**Trauma** William Paolo, MD SUNY Upstate

David Peak, MD Massachusetts General Hospital/Havard Medical School

**Toxicology** Jeffrey R. Suchard, MD *University of California, Irvine* 

Brandon Wills, DO, MS Virginia Commonwealth University

**Ultrasound** Gavin Budhram, MD *Tufts University* 

Laleh Gharahbaghian, MD Stanford University

Shane Summers, MD Brooke Army Medical Center

J. Matthew Fields, MD Thomas Jefferson University

Official Journal of the California Chapter of the American College of Emergency Physicians, the America College of Osteopathic Emergency Physicians, and the California Chapter of the American Academy of Emergency Medicine









Available in MEDLINE, PubMed, PubMed Central, CINAHL, SCOPUS, Google Scholar, eScholarship, Melvyl, DOAJ, EBSCO, EMBASE, Medscape, HINARI, and MDLinx Emergency Med. Members of OASPA.

Editorial and Publishing Office: WestJEM/Depatment of Emergency Medicine, UC Irvine Health, 333 The City Blvd, West, Rt 128-01, Orange, CA 92868, USA Office: 1-714-456-6389; Email: Editor@westjem.org

Niels K. Rathlev, MD, Associate Editor Tufts University Medical School and Baystate Medical Center

> Joel M. Schofer, MD, MBA, Associate Editor Naval Medical Center Portsmouth

Thomas Terndrup, MD, Associate Editor Ohio State University

# Western Journal of Emergency Medicine:

Integrating Emergency Care with Population Health

Indexed in **MEDLINE** 

## **Editorial Board**

Erik D. Barton, MD, MBA University of California, Irvine

Peter A. Bell, DO, MBA Ohio University, Heritage College of Osteopathic Medicine

Barry E. Brenner, MD, MPH Case Western Reserve University

David F.M. Brown, MD Massachusetts General Hospital/ Harvard Medical School

Robert W. Derlet, MD University of California, Davis

Daniel J. Dire, MD University of Texas Health Sciences Center San Antonio

Steven Gabaeff, MD Clinical Forensic Medicine

Brent King, MD, MMM University of Texas, Houston

Edward Michelson, MD Case Western University

Linda S. Murphy, MLIS University of California, Irvine School of Medicine Librarian

Jonathan Olshaker, MD Boston University

Edward Panacek, MD, MPH University of South Alabama Niels K. Rathlev, MD Tufts University Medical School and Baystate Medical Center

Robert M. Rodriguez, MD University of California, San Francisco

Scott Rudkin, MD, MBA University of California, Irvine

Peter Sokolove, MD University of California, San Francisco

Samuel J. Stratton, MD, MPH Orange County, CA, EMS Agency

Robert Suter, DO, MHA UT Southwestern Medical Center

Thomas Terndrup, MD Ohio State University

Scott Zeller, MD Alameda County Medical Center

Leslie Zun, MD, MBA Chicago Medical School

## **Advisory Board**

Peter A. Bell, DO, MBA American College of Osteopathic Emergency Physicians Ohio University, Heritage College of Osteopathic Medicine

John B. Christensen, MD California Chapter Division of AAEM

Amal Khalil, MBA *UC Irvine Health SOM* 

Mark I. Langdorf, MD, MHPE UC Irvine Health SOM

Elena Lopez-Gusman California ACEP American College of Emergency Physicians

Shahram Lotfipour, MD, MPH UC Irvine Health SOM

William Mallon, MD California ACEP American College of Emergency Physicians University of Southern California Keck School of Medicine

Trevor Mills, MD, MPH California Chapter Division of AAEM LSU Medical Center

Aimee Moulin, MD California ACEP American College of Emergency Physicians University of California, Davis

### **Editorial Staff**

Nadeem Albadawi, BS Associate Publishing Director

Chelsey Bithell, BS Associate Editorial Director

June Casey, BA Copy Editor

Emily DeVillers CAL AAEM WestJEM Liaison

Vincent Lam, BS Publishing Director Ryan Nguyen, BS Website Manager

Patrick Penalosa, BS Editorial Director

Diane Shin, BS Associate Publishing Director

Alex Trinh, BS Website Manager

#### **International Editorial Board**

Arif A. Cevik, MD Eskişehir Osmangazi University Medical Center, Eskişehir, Turkey

Francesco D. Corte, MD Azienda Ospedaliera Universitaria "Maggiore della Carità", Novara, Italy

Vijay Gautam, MBBS University of London, United Kingdom

Wirachin Hoonpongsimanont, MD University of California, Irvine Amin A. Kazzi, MD The American University of Beirut, Lebanon

Steven H. Lim, MD Changi General Hospital, Singapore

Kobi Peleg, PhD, MPH Tel-Aviv University, Israel

Rapeepron Rojsaengroeng, MD Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

Official Journal of the California Chapter of the American College of Emergency Physicians, the America College of Osteopathic Emergency Physicians, and the California Chapter of the American Academy of Emergency Medicine









Available in MEDLINE, PubMed, PubMed Central, CINAHL, SCOPUS, Google Scholar, eScholarship, Melvyl, DOAJ, EBSCO, EMBASE, Medscape, HINARI, and MDLinx Emergency Med. Members of OASPA.

Editorial and Publishing Office: WestJEM/Depatment of Emergency Medicine, UC Irvine Health, 333 The City Blvd, West, Rt 128-01, Orange, CA 92866, USA

Robert Suter, DO, MHA American College of Osteopathic Emergency Physicians UT Southwestern Medical Center

Jan Wachtler American College of Osteopathic Emergency Physicians

# Western Journal of Emergency Medicine:

Integrating Emergency Care with Population Health

Indexed in **MEDLINE** 

This open access publication would not be possible without the generous and continual financial support of our society sponsors, department and chapter subscribers.

#### **Professional Society Sponsors**

AMERICAN COLLEGE OF OSTEOPATHIC EMERGENCY PHYSICIANS

CALIFORNIA CHAPTER DIVISION OF American Academy of Emergency Medicine

### Academic Department of Emergency Medicine Subscriber

Advocate Christ Medical Center Oak Lawn, IL

Allegheny Health Network Pittsburgh, PA

American University of Beirut Beirut, Lebanon

Baylor College of Medicine Houston,  $T\boldsymbol{X}$ 

BAYSTATE MEDICAL CENTER/ TUFTS UNIVERSITY SPRINGFIELD, MA

BOSTON MEDICAL CENTER BOSTON, MA

BRIGHAM AND WOMEN'S HOSPITAL DEPARTMENT OF EMERGENCY MEDICINE BOSTON, MA

BROWN UNIVERSITY PROVIDENCE, RI

CARL R. DARNALL ARMY MEDICAL CENTER FORT HOOD, TX

EASTERN VIRGINIA MEDICAL SCHOOL NORFOLK, VA

Emory University Atlanta, GA

FLORIDA HOSPITAL MEDICAL CENTER Orlando, FL

GOOD SAMARITAN HOSPITAL MEDICAL CENTER WEST ISLIP, NY

HENRY FORD MEDICAL CENTER DETROIT, MI HIGHLAND HOSPITAL Oakland, CA

INTEGRIS HEALTH Oklahoma City, OK

Kaweah Delta Health Care District Visalia, CA

Kennedy University Hospitals Turnersville, NJ

KERN MEDICAL CENTER Bakersfield, CA

Lakeland HealthCare St. Joseph, Michigan

Lehigh Valley Hospital and Health Network Allentown, PA

Madigan Army Medical Center Zacoma, WA

Maimonides Medical Center Brooklyn, NY

MARICOPA MEDICAL CENTER PHOENIX, AZ

Massachusetts General Hospital Boston, MA

Mayo Clinic College of Medicine

Rochester, MN Mt. Sinai Medical Center

MIAMI BEACH, FL

North Shore University Hospital Manhasset, NY

Ohio State University Medical Center Columbus, OH Oklahoma University Norman, OK

PRESENCE RESURRECTION MEDICAL CENTER CHICAGO, IL

REGIONS HOSPITAL/ HEALTH PARTNERS INSTITUTE FOR EDUCATION AND RESEARCH ST. PAUL,  $M\!N$ 

ROBERT WOOD JOHNSON HOSPITAL NEW BRUNSWICK, NJ

Southern Illinois University Carbondale, IL

Stanford University Palo Alto, CA

SUNY DOWNSTATE MEDICAL CENTER NEW YORK CITY, NY

SUNY UPSTATE MEDICAL CENTER SYRACUSE, NY

Temple University Philadelphia, PA

UNIVERSITY HOSPITALS CASE MEDICAL CENTER CLEVELAND, OH

University of Arizona Tucson, AZ

UNIVERSITY OF CALIFORNIA DAVIS MEDICAL CENTER DAVIS, CA

UNIVERSITY OF CALIFORNIA IRVINE ORANGE, CA

University of California San Diego La Jolla, CA UNIVERSITY OF CALIFORNIA SAN FRANCISCO SAN FRANCISCO, CA

UNIVERSITY OF CALIFORNIA SAN FRANCISCO FRESNO FRESNO, CA

UNIVERSITY OF COLORADO & DENVER Health Denver, CO

UNIVERSITY OF FLORIDA JACKSONVILLE, FL

UNIVERSITY OF ILLINOIS AT CHICAGO CHICAGO, IL

UNIVERSITY OF IOWA IOWA CITY, IA

UNIVERSITY OF LOUISVILLE LOUISVILLE, KY

UNIVERSITY OF MARYLAND COLLEGE PARK, MD

University of Missouri Columbia, MO

UNIVERSITY OF NEVADA LAS VEGAS, NV

UNIVERSITY OF SOUTHERN CALIFORNIA/ KECK SCHOOL OF MEDICINE LOS ANGELES, CA

UNIVERSITY OF TEXAS HOUSTON, TX

UNIVERSITY OF UTAH SALT LAKE CITY, UT

#### **State Chapter Subscriber**

ARIZONA CHAPTER DIVISION OF THE American Academy of Emergency Medicine Florida Chapter Division of the

American Academy of Emergency Medicine Great Lakes Chapter Division of the

American Academy of Emergency Medicine

### **International Society Partners**

Sociedad Argentina de Emergencias Sociedad Chileno Medicina Urgencia VIRGINIA CHAPTER DIVISION OF THE American Academy of Emergency Medicine

AMERICAN ACADEMY OF EMERGENCY MEDICINE

UNIFORMED SERVICES CHAPTER DIVISION OF THE

AMERICAN ACADEMY OF EMERGENCY MEDICINE

TENNESSEE CHAPTER DIVISION OF THE

THAI ASSOCIATION FOR EMERGENCY MEDICINE EMERGENCY MEDICINE ASSOCIATION OF TURKEY

To become a WestJEM departmental sponsor, waive article processing fee, receive print and copies for all faculty and electronic for faculty/residents, and free CME and faculty/fellow position advertisement space, please go to <u>http://westjem.com/subscribe</u> or contact:

Emily DeVillers WestJEM Staff Liaison Phone: 1-800-884-2236 Email: sales@westjem.org CALIFORNIA ACEP