UC Irvine

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

Title

Masthead February 2014

Permalink

https://escholarship.org/uc/item/8bn4k90s

Journal

Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health, 15(1)

ISSN

1936-900X

Author

He, Calvin

Publication Date

2014

Copyright Information

Copyright 2014 by the author(s). This work is made available under the terms of a Creative Commons Attribution-NonCommercial License, available at https://creativecommons.org/licenses/by-nc/4.0/

Western Journal of Emergency Medicine:

Integrating Emergency Care with Population Health

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

Behavioral Emergencies

Leslie Zun, MD, MBA Chicago Medical School Michael P. Wilson, MD, PhD University of California, San Diego

Clinical Practice Eric Snoev, MD Alameda County Medical Center Joel M. Schofer, MD, RDMS Naval Medical Center Portsmouth

Critical Care H. Bryant Nguyen, MD, MS Loma Linda University

Disaster Medicine Christopher Kang, MD Madigan Army Medical Center

Education Michael Enter DO Maricopa Medical Center Douglas Ander, MD Emory University

ED Administration Jeffrey Druck, MD University of Colorado Erik D. Barton, MD, MS, MBA University of Utah

Emergency Cardiac Care William Brady, MD University of Virginia Amal Mattu, MD University of Maryland

Emergency Medical Services Christopher Kahn, MD, MPH University of California, San Diego David E. Slattery, MD University of Nevada

Geriatrics Teresita M. Hogan, MD Resurrection Medical Center, Chicago

Infectious Disease Robert Derlet, MD University of California, Davis Sukhjit S. Takhar, MD Harvard Medical School

Section Editors

Technology in Emergency Medicine James Killeen, MD University of California, San Diego Sanjay Arora, MD University of Southern California

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 David Williams, 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 Christian McClung, MD University of Southern California Michael Menchine, MD, MPH University of Southern California **Rick McPheeters, DO, Associate Editor** Kern Medical Center

Trauma

David Peak, MD Massachusetts General Hospital/Havard Medical School Ali S. Raja, MD, MBA, MPH Brigham & Women's Hospital/ Harvard Medical School

Toxicology

Jeffrey R. Suchard, MD University of California, Irvine Brandon Wills, DO, MS Virginia Commonwealth University

Ultrasound

Seric Cusick, MD, RDMS University of California, Davis Laleh Gharahbaghian, MD Stanford University

Editorial Board

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

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

David Brown, MD Massachusetts General Hospital/Harvard Medical School

Robert W. Derlet, MD University of California, Davis

Steven Gabaeff, MD American Academy of EM

Debra Houry, MD, MPH Emory University

Brent King, MD, MMM University of Texas, Houston

Edward Michelson, MD Case Western University

Linda Suk-Ling Murphy, MLIS University of California, Irvine School of Medicine Librarian

CALIFORNIA ACEP

Jonathan Olshaker, MD Boston University

Edward Panacek, MD, MPH University of California, Davis Niels K. Rathley, 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 Thomas Terndrup, MD

Pennsylvania State University Scott Zeller, MD Alameda County Medical Center Leslie Zun MD MBA

Chicago Medical School

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

Arif Alper Cevik, MD Eskişehir Osmangazi University Medical Center, Eskişehir, Turkey

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

Musculo-skeletal

Neurosciences

John Sarko, MD

Judith Klein, MD

Public Health

System

Emory University

Cecylia Kelley, DO

Inspira Health Network

University of Arizona

Paul Walsh, MD, MSc

Jeremy Hess, MD, MPH

Trevor Mills, MD, MPH

Northern California VA Health Care

Resident/Student/Fellow Forum

Juan F. Acosta DO. MS

Anita W. Eisenhart, DO

Pacific Northwest University

Maricopa Integrated Health Systems

Pediatric Emergency Medicine

University of California, Davis

University of California, San Francisco

Vijay Gautam, MBBS University of London, United Kingdom

University of California, Irvine -International Editor Fellow

Amin Antoine Kazzi, MD The American University of Beirut, Lebanon

Steven Hoon Chin Lim, MD Changi General Hospital, Singapore

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

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

Editorial Staff

International Editorial Board

Calvin He, BS Publishing Manager

Kelly C. Joy, BS

Sophia Lam, BS Assistant Editorial Director

Jennifer Mogi, BA, BS Associate Editorial Director

Publisher

Department of Emergency Medicine, University of

California, Irvine

SCHOOL OF MEDICINE



Cameron Sumrell, BS

Website Manager

Editorial Director

Elyse Young, BS

Nadia Zuabi, BS

Associate Editorial Director

Assistant Editorial Director

Calvin Tan, BS

UNIVERSITY of CALIFORNIA · IRVINE er · Teach · Hea

Available in Pub Med, Pub Med Central, CINAHL, SCOPUS, Google Scholar, eScholarship, Melvyl, Directory of Open Access Journals, Medscape and MDLinx Emergency Med.

WestJEM, 101 The City Drive, Rt. 128-01, Orange, CA 92868-3201: Office (714) 456-6389; Email: Editor@westjem.org

i

Wirachin Hoonpongsimanont, MD

Meghan A. Brown, BA Editorial Assistant Marcia Blackman CAL AAEM WestJEM

Liaison June Casev, BA Copy Editor

Editorial Assistant

Western Journal of Emergency Medicine:

Integrating Emergency Care with Population Health

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

Professional Society Sponsors

AMERICAN COLLEGE OF OSTEOPATHIC EMERGENCY PHYSICIANS

CALIFORNIA CHAPTER OF THE AMERICAN ACADEMY OF EMERGENCY MEDICINE

Professional Chapter Sponsors

FLORIDA CHAPTER OF THE AMERICAN ACADEMY OF EMERGENCY MEDICINE

NEVADA CHAPTER OF THE AMERICAN ACADEMY OF EMERGENCY MEDICINE

MISSOURI CHAPTER OF THE AMERICAN ACADEMY OF EMERGENCY MEDICINE

CALIFORNIA CHAPTER OF THE American College of Emergency Physicians

TENNESSEE CHAPTER OF THE AMERICAN ACADEMY OF EMERGENCY MEDICINE

UNIFORMED SERVICES CHAPTER OF THE AMERICAN ACADEMY OF EMERGENCY MEDICINE

VIRGINIA STATE CHAPTER OF THE AMERICAN ACADEMY OF EMERGENCY MEDICINE

Academic Department Sponsors

Advocate Christ Medical CENTER OAK LAWN, IL AMERICAN UNIVERSITY OF BEIRUT BEIRUT, LEBANON BAYLOR COLLEGE OF MEDICINE HOUSTON, TX

BAYSTATE MEDICAL CENTER/ **TUFTS UNIVERSITY** Springfield, MA

BOSTON MEDICAL CENTER BOSTON, MA

BRIGHAM AND WOMEN'S HOSPITAL BOSTON, MA

CARL R. DARNALL MEDICAL CENTER FORT HOOD, TX

DENVER HEALTH DENVER, CO

EASTERN VIRGINIA MEDICAL SCHOOL

NORFOLK, VA

EMORY UNIVERSITY ATLANTA, GA

FLORIDA HOSPITAL MEDICAL CENTER ORLANDO, FL

GEORGE WASHINGTON UNIVERSITY MOUNT SINAI MEDICAL CENTER WASHINGTON, DC HENRY FORD MEDICAL CENTER DETROIT, MI INTEGRIS HEALTH OKLAHOMA, OK KAWEAH DELTA HEALTHCARE

DISTRICT VISALIA, CA

KENNEDY UNIVERSITY HOSPITALS* TURNERSVILLE, NJ KERN MEDICAL CENTER

BAKERSFIELD, CA LEHIGH VALLEY HOSPITAL AND

HEALTH NETWORK ALLENTOWN, PA

MADIGAN ARMY MEDICAL CENTER TACOMA, WA

MAIMONIDES MEDICAL CENTER* BROOKLYN, NY

MARICOPA MEDICAL CENTER PHOENIX, AZ MASSACHUSETTS GENERAL

HOSPITAL BOSTON, MA MIAMI, FL NORTH SHORE UNIVERSITY HOSPITAL MANHASSET, NY **REGIONS HOSPITAL/ HEALTH PARTNERS**

INSTITUTE FOR EDUCATION AND RESEARCH ST. PAUL, MN

RESURRECTION MEDICAL CENTER* CHICAGO, IL

ROBERT WOOD JOHNSON HOSPITAL* NEW BRUNSWICK, NJ SOUTHERN ILLINOIS UNIVERSITY

CARBONDALE, IL

STANFORD UNIVERSITY PALO ALTO, CA

TEMPLE UNIVERSITY PHILADELPHIA, PA

UNIVERSITY OF ARIZONA PHOENIX, AZ

UNIVERSITY OF CALIFORNIA DAVIS* DAVIS, CA UNIVERSITY OF CALIFORNIA IRVINE*

ORANGE, CA UNIVERSITY OF CALIFORNIA LOS ANGELES LOS ANGELES, 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 ILLINOIS AT CHICAGO CHICAGO, IL

UNIVERSITY OF MARYLAND COLLEGE PARK. MD

UNIVERSITY OF NEVADA LAS VEGAS, NV

UNIVERSITY OF SOUTHERN CALIFORNIA

LOS ANGELES, CA

UNIVERSITY OF TEXAS, HOUSTON HOUSTON, TX

UNIVERSITY OF UTAH SALT LAKE CITY, UT

UPSTATE MEDICAL CENTER SYRACUSE, NY

*denotes department & residency sponsor

International Society Partners

Sociedad Argentina de Emergencias	THAI ASSOCIATION FOR EMERGENCY MEDICINE
Sociedad Chileno Medicina Urgencia	Emergency Medicine Association of Turkey

Become a WestJEM departmental sponsor, waive article processing fees, receive print/electronic copies, and free CME advertisement space at www.calaaem.org/westjem or contact:

Marcia Blackman Cal/AAEM: WestJEM Phone: (800) 884-2236 MBlackman@aaem.org or