



Volume XVII, Number 2, March 2016

Open Access at www.westjem.com

ISSN 1936-900X

Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health Indexed in MEDLINE

HEALTHCARE UTILIZATION

- 97 **Reduction in Radiation Exposure through a Stress Test Algorithm in an Emergency Department Observation Unit**
ME Pena, MR Jakob, GI Cohen, CB Irvin, N Solano, AR Bowerman, SM Szpunar, MK Dixon

HEALTH POLICY ANALYSIS

- 104 **Acute Stroke: Current Evidence-based Recommendations for Prehospital Care**
NK Guber, KA Sporer, KZ Guluma, JP Serra, JA Barger, JF Brown, GH Gilbert, KL Koenig, EM Rudnick, AA Salvucci

HEALTH OUTCOMES

- 129 **Factors Associated with First-Pass Success in Pediatric Intubation in the Emergency Department**
T Goto, K Gibo, Y Hagiwara, M Okubo, DFM Brown, CA Brown, K Hasegawa

VITAL SIGNS

- 135 **Moving Beyond Screening: How Emergency Departments Can Help Extinguish the HIV/AIDS Epidemic**
M Menchine, M Zhou, S Lotfipour, B Chakravarthy
- 139 **Growing Trend of Alternative Tobacco Use Among the Nation's Youth: A New Generation of Addicts**
JR Marshall, S Lotfipour, B Chakravarthy

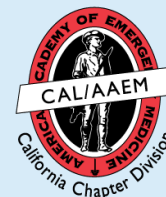
EDUCATION

- 143 **Impact of a Dedicated Emergency Medicine Teaching Resident Rotation at a Large Urban Academic Center**
J Ahn, A Golden, A Bryant, C Babcock
- 149 **Can Simulation Measure Differences in Task-Switching Ability Between Junior and Senior Emergency Medicine Residents?**
D Smith, DG Miller, J Cukor

Contents continued on page iii



UC Irvine Health



Western Journal of Emergency Medicine:

Integrating Emergency Care with Population Health

JOURNAL FOCUS

Emergency medicine is a specialty which closely reflects societal challenges and consequences of public policy decisions. The emergency department specifically deals with social injustice, health and economic disparities, violence, substance abuse, and disaster preparedness and response. This journal focuses on how emergency care affects the health of the community and population, and conversely, how these societal challenges affect the composition of the patient population who seek care in the emergency department. The development of better systems to provide emergency care, including technology solutions, is critical to enhancing population health.

Table of Contents

continued

BEHAVIORAL HEALTH

- 153** **Impact of Mental Health and Substance Use Disorders on Emergency Department Visit Outcomes for HIV Patients**
BY Choi, DM DiNitto, CN Marti, NG Choi
- 165** **Managing Agitation Associated with Schizophrenia and Bipolar Disorder in the Emergency Setting**
SL Zeller, L Citrome
- 173** **Care of Psychiatric Patients: The Challenge to Emergency Physicians**
L Zun

DIAGNOSTIC ACUMEN

- 177** **Electronic Vapor Cigarette Battery Explosion Causing Shotgun-like Superficial Wounds and Contusion**
S Shastry, MI Langdorf
- 181** **Salicylate Toxicity from Genital Exposure to a Methylsalicylate-Containing Rubefacient**
TM Thompson, T Toerne, TB Erickson
- 184** **Traumatic Arthrotomy with Pneumarthrosis on Plain Radiograph of the Knee**
TD Roberts
- 186** **Young Woman with a Fever and Chest Pain**
KH Dwyer, JS Rempell
- 188** **Bullosis Diabeticorum**
MJ Michael, JM Mefford, S Lahham, CE Chandwani
- 189** **Turbid Peritoneal Fluid**
SL Burlison, HE Wang

TECHNOLOGY IN EMERGENCY MEDICINE

- 191** **There's an App for That? Highlighting the Difficulty in Finding Clinically Relevant Smartphone Applications**
W Wiechmann, D Kwan, A Bokarius, SL Toohey
- 195** **Point-of-Care Ultrasound to Evaluate a Teenager with Presyncope**
MT Long, S Lam

Policies for peer review, author instructions, conflicts of interest and human and animal subjects protections can be found online at www.westjem.com.

Table of Contents

continued

- 196 Retrospective Review of Ocular Point-of-Care Ultrasound for Detection of Retinal Detachment**
B Jacobsen, S Lahham, S Lahham, A Patel, S Spann, JC Fox
- 201 Mistakes and Pitfalls Associated with Two-Point Compression Ultrasound for Deep Vein Thrombosis**
T Zitek, J Baydoun, S Yopez, W Forred, DE Slattery
- 209 Computerized Diagnostic Assistant for the Automatic Detection of Pneumothorax on Ultrasound: A Pilot Study**
SM Summers, EJ Chin, BJ Long, RD Grisell, JG Knight, KW Grathwohl, JL Ritter, JD Morgan, J Salinas, LH Blackbourne
- 216 Ultrasound-Guided Cannulation: Time to Bring Subclavian Central Lines Back**
T Rezayat, JR Stowell, JL Kendall, E Turner, JC Fox, I Barjaktarevic

CRITICAL CARE

- 222 Effect of Intraosseous Tibial vs. Intravenous Vasopressin in a Hypovolemic Cardiac Arrest Model**
J Fulkerson, R Lowe, T Anderson, H Moore, W Craig, D Johnson

ED ADMINISTRATION

- 229 Physician Quality Reporting System Program Updates and the Impact on Emergency Medicine Practice**
JL Wiler, M Granovsky, SV Cantrill, R Newell, AK Venkatesh, JD Schuur

Policies for peer review, author instructions, conflicts of interest and human and animal subjects protections can be found online at www.westjem.com.