PREHOSPITAL and DISASTER MEDICINE

Médecine Pré-Hospitalière et Médecine de Catastrophe Medicina Prehospitalária y de Catástrofes 病院にかかる前の処置と 災害医療

Volume 14, Number 3

July-September 1999

Position Papers Uniform Reporting of Data following Major Trauma

Theoretical Discussion Glossary of New Concepts in Disaster Medicine

Special Reports Ganbaro Ya! San Jose Declaration The Physician's Role in Disaster Response Trauma Mortality in Helicopter and Ground Ambulance Medical Examinations of Participants in Disaster Medicine

Original Research Predictors of Demand for EMS Triage by EMS Providers and Patient Disposition CPR in Saudi Arabia Geriatric Trauma in Japan Mobile Clinics during Northridge Earthquake

Continuing Education Fredrick C. Cuny Memorial Series Program Supervision, Monitoring, and Control

Editorials Guidelines, Algorithms, Critical Pathways, Templates, and Evidence-based Medicine Nostradamus

The Official Journal of the World Association for Disaster and Emergency Medicine and the Nordic Society of Disaster Medicine https://doi.org/10.1017/51049023X00027412 Published online by Cambridge University Press

To the Rescue





Smaller. Lighter. Brighter. And Really Tough.

Life on the road is rough. You need a defibrillator that can handle it. Lightweight. Fast and ready. You need the M Series. Eleven pounds of power. Packaged to meet rigorous military design standards. With an FED display that is unmatched. View it from any angle. In any light. Anywhere. The M Series Defibrillator Monitor Pacemaker, New from ZOLL. Take it on the road. Call 800-348-9011 or visit www.zoll.com



© 1998 ZOLL Medical Corporation, Burlington, MA 01803

Prehospital and Disaster Medicine Official Journal of the World Association for Disaster and Emergency Medicine

Official Journal of the World Association for Disaster and Emergency Medicine and the Nordic society of Disaster Medicine

Each Issue Brings:	VFCI	I'll Subscribe!	Save	Save	
• Original research by	ILO:	Subscribe!	15%!	25%!	
international authors in the sciences of emergency,		1 year (4 Issues)			
disaster and humanitarian medicine and management	Individual Institutional	\$55 \$78	\$94 \$132	\$124 \$175	
• C	Check here if entitled to the 25% discount as member of affiliated organizations				
 Summaries and critiques of published research 	Organization				
• Analysis of emergency and disaster medicine services	🗖 Payment Enc	losed 🗖 Bill Me	🗖 Visa	□ MasterCard	
	Card#	<u></u>	<u> </u>	Exp. Date	
• Abstracts from important meetings and congresses	Signature				
	Name	<u></u>		· · · · · · · · · · · · · · · · · · ·	
 Continuing education Free access to Internet 	Title		·····		
		····			
	-		State	Zip	
version	Outside U.S. add \$16 per subscription per year. C99P				

Get Your Subscription to Prehospital and Disaster Medicine FREE!

Here's how.

Join the World Association for Disaster and Emergency Medicine for only \$120 per year and receive:

- Subscription to Prehospital and Disaster Medicine
- Preferred rates for registration at the World and Regional Congresses
- Semi-annual newsletter
- Membership directory
- Special Affiliated Society Membership advantages

🗇 Yes, I'll Jo	in! 🗖 Plea	ase Send M	lore Information
			□ MasterCard Exp. Date
Signature			
Name		<u> </u>	
Title			
Address	- <u>-</u>		
City		State	Zip
			С9





NE PAS AFFRANCHIR

NO POSTAGE NECESSARY IF MAILED

TO THE UNITED STATES



POSTAGE WILL BE PAID BY ADDRESSEE

PREHOSPITAL AND DISASTER MEDICINE E5/615 CLINICAL SCIENCE CENTER 600 HIGHLAND AVENUE MADISON WI 53791-9744 UNITED STATES OF AMERICA



WADEM E5/615 CLINICAL SCIENCE CENTER 600 HIGHLAND AVENUE MADISON WI 53791-9744 UNITED STATES OF AMERICA

Table of Contents

Editor's Corner Guidelines, Algorithms, Critical Pathways, Templates, and Evidence-based Medicine
Editorial Nostradamus
Position Paper Recommendations for Uniform Reporting of Data following Major Trauma — The Utstein Style: An Initiative
Theoretical Discussion Glossary of New Concepts in Disaster Medicine: A supplement to Gunn's Multilingual Dictionary of Disaster Medicine
Special Reports Ganbaro Ya!
San Jose Declaration
The Physician's Role in Canada's Disaster Response System
Differences in Mortality Rates Among Trauma Patients Transported by Helicopter or Ambulance in Maryland
Methodological Aspects of the Medical Examination of Special Contingents in the All-Russian Service of Disaster Medicine
Original Research Predictors of Demand for Emergency Prehospital Care: An Australian Study

Continued

July-September 1999

VOLUME 14, NUMBER 3

JULY - SEPTEMBER 1999

Triage Ability of Emergency Medical Services Providers and Patient Disposition: A Prospective Study
15 Years of Experience with Cardiopulmonary Resuscitation in the Kingdom of Saudi Arabia: A Critical Analysis
Mohamed A. Seraj, MD, MBBCh, DA, FFARCSI; Mr. Paul J. Harvey
Geriatric Trauma Patients at a Suburban Level-I Trauma Center in Japan
Care Provided by VA Mobile Clinic Staff During Northridge Earthquake Relief
Continuing Education
Fredrick C. Cuny Memorial Series Lesson 5: Program Supervision, Monitoring, and Control Fred C. Cuny
Guidelines for Authors

Editorial Office University of Wisconsin-Madison, USA Marvin L. Birnbaum, MD, PhD, Editor-in-Chief

Associate Editor Mary Elizabeth Braun

Production Editor Donna Schaan

Web Production Editor Megan Phillips

> Advertising Mary Duss

Subscriptions Mary Elizabeth Braun

Editorial Office University of Wisconsin-Madison

Publisher World Association for Disaster and Emergency Medicine Madison, Wisconsin USA Prebospital and Disaster Medicine (ISSN 1049-023X) is published quarterly in the months of January, April, July, and October by the World Association for Disaster and Emergency Medicine. Prehospital and Disaster Medicine incorporates the Journal of the World Association for Emergency and Disaster Medicine and the Journal of Prehospital Medicine.

Editorial Information: Submit manuscripts and editorial inquiries to: Marvin L. Birnbaum, PhD, MD, Editor, *Prehospital and Disaster Medicine*, Clinical Science Center, 600 N. Highland (E5/615), Madison, WI 53792, USA; Telephone/Facsimile (01) (608) 263-9641; E-mail: mlb@medicine.wisc.edu

Subscription Information: One year (four issues)–Institutions: (U.S.) \$78; Individuals: \$55; Canadian and international subscribers must add \$13 per year for postage. Claims of non-receipt or damaged issues must be filed within three months of cover date. POSTMASTER: Send address changes to *Prebospital and Disaster Medicine*, Clinical Science Center, 600 N. Highland (E5/615), Madison, WI 53792 USA.

Advertising Information: Mary Duss; Prehospital and Disaster Medicine, Clinical Science Center, 600 N. Highland (E5/615), Madison, WI 53792

Abstracts: Comprehensively abstracted by the National Library of Medicine (Medline), Cumulative Index to Nursing and Allied Health (CINAHL) and Health Star Cumulative Index. The database is available online via BRS, Data-Star, and DIALOG, and on CD-ROM through CD Plus, Compact Cambridge and Silver Platter. Abstracts and Search capability available on the Internet at: http://pdm.medicine.wisc.edu.

Copyright © 1999 by the World Association for Disaster and Emergency Medicine.

Second-class circulation postage paid at Madison, WI and at additional mailing offices

> Bulk Rate U.S. Postage PAID Ephrata, PA Permit No. 17708

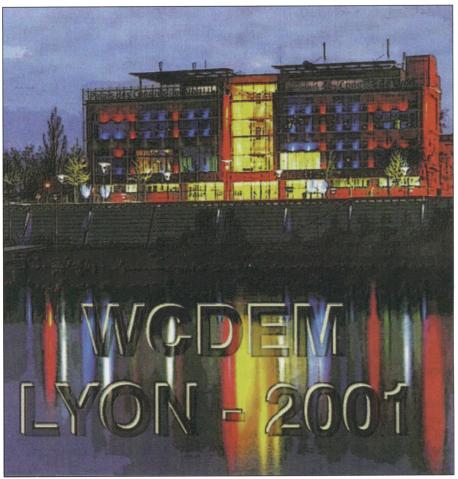


12th World Congress on Disaster and Emergency Medicine

WADEM

World Association for Disaster and Emergency Medicine

May 9 – 12, 2001 LYON, FRANCE



EDITORIAL BOARD

Prehospital and Disaster Medicine

EDITOR-IN-CHIEF Marvin L. Birnbaum, MD, PhD University of Wisconsin-Madi-

son Madison, Wisconsin USA

ASSOCIATE EDITORS Wolfgang Dick, Dr Med Johannes Gutenberg Universität Mainz, Germany

Kimball Maull, MD Carraway Injury control Institute Birningham, Alabama USA

Ernesto A. Pretto, MD University of Pittsburgh Pittsburgh, Pennsylvania USA

Steven Rottman, MD University of California– Los Angeles Los Angeles, California USA

SECTION EDITORS Terrorism Michael Moles, MD Prince Philip Hospital Hong Kong University Hong Kong

PAST EDITORS R Adams Cowley, MD Deceased (JWAEDM 1986–1987)

Peter Safar, MD Safar Center University of Pittsburgh Pittsburgh, Pennsylvania USA (JWAEDM 1981–1985)

Michael Gunderson, REMTP Institute for Prehospital Medicine Tempe, Arizona USA

CONSULTING EDITORS S. William A. Gunn, MD European Centre for Disaster Medicine Geneva, Switzerland

Peter Safar, MD Safar Center University of Pittsburgh Pittsburgh, Pennsylvania USA

Martin Silverstein, MD Uniformed Services University of the Health Sciences Bethesda, Maryland USA

Ronald Stewart, MD Victoria Hospital Halifax, Nova Scotia Canada

EDITORIAL BOARD Jakov Adler, MD Jerusalem, Israel

Ahmed Ammar, MD King Fahd University Hospital Al-Khobar, Saudi Arabia V. Anantharaman, MD Singapore General Hospital Singapore

Paul B. Anderson Lincoln Medical Education Foundation Rural EMS Institute Lincoln, Nebraska USA

Bishara Atiyeh, MD American University Beirut, Lebanon

Jack Ayres, JD, REMT-P University of Texas Health Science Center Dallas, Texas USA

Jan Babik, MD Kosice Burn Center Kosice-Saca, Slovakia

Peter Baskett, MD Frenchay Hospital Bristol, UK

Richard A. Bissell, PhD University of Maryland– Baltimore Campus Baltimore, Maryland USA

Fredrick M. Burkle, MD, MPH John A. Burns School of Medicine and School of Public Health University of Hawaii Honolulu, Hawaii USA

Jeff Clawson, MD Medical Priority Consultants, Inc. Salt Lake City, Utah USA

Richard O. Cummins, MD University of Washington Seattle, Washington USA

Craig DeAtley, PA-C George Washington University Medical Center Washington, D.C. USA

Claude de Ville de Goyet, MD Pan-American Health Organization, World Health Organization

James DuCharme, MD Royal Victoria Hospital Montréal, Quèbec Canada

Judith Fisher, MD British Association for Immediate Care London, UK

Malcolm Fisher, MD Royal North Shore Hospital Sydney, Australia

Alain Flaujat, MD Editor, *Amelisap* Olonzao, France

Erik S. Gaull TriData Corporation Arlington, Virginia USA

Sergey Goncharov, MD All-Russian Disaster Medicine Center Moscow, Russia Michael Gunderson, REMT-P Institute for Prehospital Medicine Tempe, Arizona USA

Borje Hallen, MD Karolinska Sjukhuset Stockholm, Sweden

Connie A. Jastremski, RN, MS Syracuse, New York USA

Mark S. Johnson Alaska Department of Public Health Juneau, Alaska USA

Mark Klyachko, PhD Center on Earthquake Engineering Petropavlovek, Kam, Russia

Radana Konigova, MD Charles University Praque, Czech Republic

Per Kulling, MD Swedish Poison Information Centre Stockholm, Sweden

John C. Lane, MD University of Campinas Medical Center Sao Paolo, Brazil

Baxter Larmon, PhD, EMT-P University of California– Los Angeles Medical Center Los Angeles, California USA

Todd J. LeDuc Broward County Commission Ft. Lauderdale, Florida USA

Prof. Li Zhong-Hao, MD Beijing Emergency Medical Center Beijing, China

Susan D. McHenry National Highway Traffic Safety Administration Washington, D.C. USA

Sergio Magalini, MD Universita Cattolicà del Sacro Cuore Rome, Italy

Michele Masellis, MD Osp. Reg. Civico Palermo, Italy

Eric Noji, MD World Health Organization Geneva, Switzerland

Karl-Axel Norberg, MD Stockholm, Sweden

Judy Olson, BSN, MEd University of Wisconsin–Madison Madison, Wisconsin USA

Muneo Ohta, MD Osaka, Japan James O. Page, JD Emergency Care Information Center Carlsbad, California USA

Paul Paris, MD Center for Emergency Medicine University of PittsburghPittsburgh, Pennsylvania USA

Georg Petroianu, MD University of Heidelberg Mannheim, Germany

Hugo Prado, MD Pan-American Health Organization, World Health Organizatio

R Abdul Radjak, MD Ministry of Health Jakarta, Indonesia

Daniel Rodriguez San Jose, Costa Rica

Lawrence W. Rose, MD Bethesda, Maryland USA

Leonid B. Roshal, MD Institute of Pediatrics Academy of Medical Sciences Moscow, Russia

Don Schramm Disaster Management Center University of Wisconsin Madison, Wisconsin USA

Knut Ole Sundnes, MD Baerum Hospital Oslo, Norway

Frank Thomas, MD Latter Day Saints Hospital Salt Lake City, Utah USA

Shao Xiaohong, MD Peking Union Medical College Chinese Academy of Medical Science Beijing, China

Samuel Stratton, MD Los Angeles County Los Angeles, California USA

Takashi Ukai, MD Osaka City General Hospital Osaka, Japan

Yasuhiro Yamamoto, MD Department of Emergency and Critical Medicine Tokyo, Japan

Harsh Wardham, MD Sundar Lal Jain Hospital Delhi, India