

# Supplemental Abstracts for the Scientific and Invited Papers

(Where abstracts are not included, please see Vol. 20, No. 2 (Supplement 1))

## 14th World Congress for Disaster and Emergency Medicine

16-20 May 2005  
Edinburgh, Scotland

### Saturday 14th–Sunday 15th May 2005

#### Disaster Research Methodology Using the Guidelines for Evaluation and Research in the Utstein Style

*Knut Ole Sundnes, MD; Marvin L. Birnbaum, MD, PhD; Jeffrey Arnold, MD; K. Joanne McGlown, PhD; Judith M. Fisher, MD*

#### Objectives:

By the conclusion of this workshop, the participants will:

1. Develop an understanding of the need for a structured approach to disaster research and evaluations;
2. Become familiar with and have a working knowledge of the concepts contained in the Guidelines;
3. Develop an understanding of the terms and principles embedded in the Conceptual and Operational Frameworks for disasters;
4. Be able to apply these principles into the working matrix of the Guidelines and Templates for the purpose of designing and conducting evaluation and research into the pathophysiology of disasters and of interventions directed at the pre-event, intra-event, and/or post-event phases of a disaster or disasters;
5. Recognize the requirements and mechanisms for the development of appropriate indicators of functional states, adequacies of supplies of goods and services, and of the effectiveness and benefits associated with the implementation of interventions;
6. Develop an understanding of the utility of severity scores in disaster research;
7. Be able to critically evaluate published studies using the Operational Framework (Templates for Disaster Research and Evaluation);
8. Understand some of the ethical issues associated with the conduct of disaster research and evaluations; and
9. Become familiar with the use of quantitative and qualitative data collection methods and interpretation.

**Keywords:** concept; disaster; ethics; evaluation; framework; Guidelines; operation; pathophysiology; research; severity score; Templates

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### Wednesday 18th May 2005

#### Special Seminar: *The Tsunami of Southeast Asia*

*Chair: David Bradt, MD, Victoria, Australia*

#### Overview of the Disaster

*David Bradt, MD*  
Victoria, Australia

#### The Geophysics of a Tsunami—Strategies for Early Warning

*S. Boxall*  
Southampton Oceanography Center, United Kingdom

#### International Coordination—The Role of the World Health Organization (WHO)

*R. Waldman*  
United Kingdom

#### “Operation Tsunami Assist”—Australian Civilian Medical Team Deployment

*D.M. Cooper*  
New South Wales (NSW) Health, Australia

Following the Tsunami Disaster on 26 December 2004, the Australian Government received requests for medical assistance from the governments of Indonesia, Sri Lanka, and the Maldives.

The Australian Government, through Emergency Management Australia (EMA) and AusAID, in consultation with the Department of Health and Aging, tasked the NSW Health and Ambulance Service Counter Disaster Unit (CDU) with the establishment, configuration, and deployment of four disaster medical teams. This was following the full activation of AUSASSISTPLAN, the national disaster plan for overseas assistance.

The request from the Australian Government was made at 17:00 hours on 28 December 2004. The team delivered the first two task forces (Alpha and Bravo, 14 persons each) at RAAF Richmond by 10:00 hours the next day, operational in just 17 hours after the request. These teams were deployed to Banda Aceh via Jakarta, and soon were in place providing medical and surgical care. The configuration of the teams included surgical (orthopedics/general surgery), emergency medicine, nursing, paramedic, public health/infectious diseases, and logistics elements through the NSW Fire Brigades. The deployment included personnel