



Toronto

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HEALTH SCIENCES CENTRE



WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

Tuesday, 25 April 2017

- 8:30AM - 9:00AM** **PL01: Presidential Address**
Chairs: Erin Downey & Paul Farrell
Room: Metropolitan Centre
- 9:00AM - 9:15AM** **PL01: Opening Ceremony - The Honourable Jane Philpott, Canadian Federal Minister of Health**
Chair: Erin Downey
Room: Metropolitan Centre
- 9:15AM - 9:45AM** **PL01: Safety Briefing for Facility**
Chair: Erin Downey
Room: Metropolitan Centre
- 9:45AM - 10:00AM** **PL01: Dr. Ciro Ugarte, WHO/PAHO**
Chair: Erin Downey
Room: Metropolitan Centre
- 10:00AM - 11:00AM** **PL01: WHO/WADEM Panel**
Chair: Erin Downey
Room: Metropolitan Centre
- 11:30AM - 1:00PM** **CS01: Psychosocial and Behavioral Health**
Chairs: Gordon Dodge & Janet Ellis
Room: Metropolitan Centre
- **11:30AM - 11:40AM** **CS01-02: Psychological Well-being as a Priority throughout the Deployment Cycle**
Presenter: Luke McCormack - National Critical Care and Trauma Response Centre, Australia
 - **11:40AM - 11:50AM** **CS01-03: Psychological First Aid Training as Public Health Preparedness: Results of a Demonstration Project**
Presenter: Karla Vermeulen - SUNY New Paltz, United States
 - **11:50AM - 12:00PM** **CS01-04: Victorian Compendium of Community-Based Resilience Building Case Studies**
Presenter: Caroline Spencer - Monash University, Australia



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WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

- 12:00PM - 12:10PM **CS01-05: The Trauma Signature of 2016 Hurricane Matthew and the Psychosocial Impact on Haiti**
Presenter: James Shultz - University of Miami Miller School of Medicine, United States
- 12:10PM - 12:20PM **CS01-06: Training Community Health Workers to Promote Psychosocial Health and Resilience among Children in Haiti**
Presenter: Amy Nitza - State University of New York at New Paltz, United States
- 12:20PM - 01:00PM **Conclusions**
- 11:30AM - 1:00PM CS02: Veterinary Medicine and Animal Care**
Chairs: Cathy Furness & Stella Anyangwe
Room: Metropolitan West
- 11:40AM - 11:50AM **CS02-02: Providing Empowerment for Rural Pastoralists after Natural Disasters**
Presenter: Jasmine Dhillon - Western College of Veterinary Medicine, Canada
- 11:50AM - 12:00PM **CS02-03: Flood Related Injuries and Diseases Occurring in Horses in Louisiana from 2001-2016**
Presenter: Rebecca Mcconnico - Louisiana State University, United States
- 12:00PM - 12:10PM **CS02-04: Goat Evacuations During the 2012 Oklahoma Wildfires**
Presenter: Tamara Gull - Oklahoma State University, United States
- 12:10PM - 12:20PM **CS02-05: Emergent Planning for the Veterinary Care and Short-Term Housing of Companion Animals Evacuated due to a Wildfire in Alberta, Canada**
Presenter: Cary Hashizume - Calgary Animal Referral and Emergency Centre Animal Hospital, Canada
- 12:20PM - 12:30PM **CS02-06: A Risk Based Algorithm for Managing the Companion Animals of Medically Vulnerable Disaster Evacuees**
Presenter: Charlotte Spires - HHS/OS/ASPR, United States
- 12:30PM - 12:40PM **CS02-07: The Promoting of Wellbeing Before, During, and After an Animal Health Emergency Response**
Presenter: Edward Malek - Ek Ag Solutions, Canada
- 12:40PM - 01:00PM **Conclusions**



Toronto

Sunnybrook
HEALTH SCIENCES CENTRE



WADEM Congress on Disaster and Emergency Medicine • 25-28 April 2017

- 11:30AM - 1:00PM CS03: Disaster Medicine Principles**
Chairs: Emmanuel Rohrbacher & Pinchas Halpern
Room: Metropolitan East
- 11:30AM - 11:40AM **Q&A**
 - 11:40AM - 11:50AM **CS03-02: Preparedness Analysis for Management of Bleeding during Mass Casualty Incidents, Qom, Iran**
Presenter: Seyed Ali Tabatabaey Mashhadi - Qom University of Medical Sciences, Iran
 - 11:50AM - 12:00PM **CS03-03: Disabled People in Disasters - EC Project "EUNAD-Implementation"**
Presenter: Stepan Vymetal - Charles University in Prague, Czech Republic
 - 12:00PM - 12:10PM **CS03-04: Crisis Standards of Care: Concepts of Operations and Tools**
Presenter: Vicki Sakata - Northwest Healthcare Response Network, United States
 - 12:10PM - 12:20PM **CS03-05: The Golden 100 Hours of Mass Casualty: A Civilian Team Applying the Military 'Mobile Forward Surgical Team' Model to Deliver Mass Casualty Surgical Care in the Aftermath of Super Typhoon Haiyan**
Presenter: Richard Koehler - Mammoth Hospital, United States
 - 12:20PM - 12:30PM **CS03-06: Using Mind Mapping Technology for Personal Preparedness Planning**
Presenter: Alexander Chang - Johns Hopkins, United States
 - 12:30PM - 12:40PM **CS03-07: Countdown to the Future - The Biggest Threat: Man-Made or Nature-Source Disasters?**
Presenter: Akif Donmez - Bezmialem Vakif University Institution of Health Sciences, Turkey
 - 12:40PM - 01:00PM **Conclusions**
- 11:30AM - 1:00PM CS04: Nursing Track**
Chairs: Patrizia Duda & Wendy McKenzie
Room: Queens Quay
- 11:30AM - 11:40AM **CS04-01: A Model Curriculum for Improving the Clinical Capabilities of Public Health Nurses for Acute Care Applications during Disasters and Public Health**



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Sunnybrook
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WADDEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

Emergencies

Presenter: Michael Reilly - New York Medical College, United States

- 11:40PM - 11:50PM **CS04-04: Emergency Nursing in Mass Casualty Incidents: Effects on Staff Turnover at a Large Suburban Hospital Emergency Department**
Presenter: Bethany Weeks - University of Colorado Hospital; University of Colorado Health, United States
- 11:50PM - 12:00PM **CS04-05: Lessons Learned: How Much do we Really Take Forward?**
Presenter: Sandra Richardson - Canterbury District Health Board, New Zealand
- 12:00PM - 12:10PM **CS04-08: The Emergence of CNT (Clinical Nurse Trainers) in Emergency Departments, Muhimbili National Hospital, Tanzania**
Presenter: Angelina Sepeku- Abbott Fund Tanzania, Tanzania
- 12:10PM - 01:00PM **Conclusions**

11:30AM - 1:00PM **CS05: Emergency Radiology**

Chairs: Faisal Khosa & Cathy Zhang
Room: Wellington Room

- 11:30AM - 11:40AM **CS05-01: Point of Care Ultrasound at Emergency Department (ED) Shaping our Emergency Care to a Great Effect: Experience from Tikur Anbessa Specialized Tertiary Care Hospital ED**
Presenter: Temesgen Abicho - Addis Ababa University, Ethiopia
- 11:40AM - 11:50AM **CS05-02: The State of Emergency Radiology Service among Public Hospitals in Tanzania**
Presenter: Said Kilindimo - Muhimbili University of Health and Allied Sciences, Tanzania
- 11:50AM - 12:00PM **CS05-03: Radiology and Emerging Asymmetric Threats in Urban Settings**
Presenter: Mohammad Naeem - United States Army, United States
- 12:00PM - 12:10PM **CS05-04: Evaluation of Health Care Professionals Knowledge - Care of Patients with Radiological Exposure**
Presenter: Silvana Dal Ponte - Hospital de Clínicas de Porto Alegre, Brazil
- 12:10PM - 12:20PM **CS05-05: Compare the Setup Time and Safety of Intraoperative (O ARM) with Traditional Intraoperative Fluoroscopy (C ARM), and Nursing Implications in Neurosurgery Over a 12 Month Period**



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Sunnybrook
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WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

Presenter: Minju Malhotra - JPN Apex Trauma Centre, India

- 12:20PM - 12:30PM **CS05-06: Diagnostic Imaging in Disasters: A Bibliometric Analysis**
Presenter: Bo Gong - Vancouver General Hospital, Canada
- 12:30PM - 12:40PM **CS05-07: Comparison between Two-Point and Three-Point Compression Ultrasound for the Diagnosis of Deep Vein Thrombosis**
Presenter: Rona Zuker Herman - Rabin Medical Center, Israel
- 12:40PM - 01:00PM **Conclusions**
- 11:30AM - 1:00PM CS06: Humanitarian Aid**
Chairs: Lynda Redwood-Campbell & Kirsten Johnson
Room: Yonge Room
- 11:30AM - 11:40AM **CS06-01: Medical Conditions and Treatments in a Transit Camp in Serbia for Syrian, Afghani and Iraqi Migrants**
Presenter: Einav Levy - Vrije Universiteit Brussels (VUB), Belgium, and The Israeli School of Humanitarian Aid (ISHA), Israel, Belgium
- 11:40AM - 11:50AM **CS06-02: Spontaneous, Self-Organized, Non-Professional International Disaster Response in the European Refugee Crisis - The Case of Chios, Greece**
Presenter: Patrizia Duda - University College London (UCL), United Kingdom
- 11:50AM - 12:00PM **CS06-03: From Syria to Canada: A Critical Evaluation of Service-Delivery and Coordination along the Journey of Forced Migration.**
Presenter: Alison Paul - Canadian Red Cross, Canada
- 12:00PM - 12:10PM **CS06-04: ANA Light Field Hospital: A New Model of Civilian Cooperation and Response during Disasters, Emergencies in Austere Environments, Italy**
Presenter: Alessandra Rossodivita - Luigi Sacco University Hospital, Italy
- 12:10PM - 12:20PM **CS06-05: A Multi-Level and Multi-Sectoral Coordination for an Effective Response to the Cholera Outbreak in Central African Republic**
Presenter: Michel Yao - World Health Organization, Central African Republic
- 12:20PM - 12:30PM **CS06-06: Developing Smart Practices for Prehospital Field Staff in Situations of Insecurity through Knowledge Co-Construction**
Presenter: Agnieszka Cholewinska - International Federation of Red Cross and Red Crescent Societies, Switzerland



Toronto

Sunnybrook
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WADEM Congress on Disaster and Emergency Medicine • 25-28 April 2017

- 12:30PM - 12:40PM **CS06-07: Teaching Public Health in Disasters using Massive Open Online Course and Building the Global Humanitarian Response Community**
Presenter: Chunlan Guo - The Chinese University of Hong Kong, Hong Kong

- 12:40PM - 01:00PM **Conclusions**

11:30AM - 1:00PM **WS01: Public Health - Emergency Simulation Tool for Enhanced Training in Preparedness and Response**

Chairs: Kieran Moore
Room: Bay Room

This workshop will introduce an innovative emergency preparedness and response simulation tool for training public health professionals. Through this workshop, Emergency Managers and Public Health Physicians will have experience with a scenario which allows them to use real time surveillance tools for improved situational awareness and improved decision making. The two main tools will be ACES and PHIMS. The tool, developed by KFL&A Public Health, enhances the traditional emergency preparedness exercise with simulated 'real-time' surveillance data using two tools, the Acute Care Enhanced Surveillance system (ACES) and Public Health Information Management System (PHIMS). Through group role-play, workshop attendees will actively participate in managing a simulated public health incident in a local public health agency setting involving different health system roles and collaboration.

1:10PM - 1:50PM **WS02: Humanitarian Evidence Debate - Overcoming Hurdles to Implement an Evidence Based Approach**

Chairs: Claire Allen & Kristin Ringstad
Room: Metropolitan Centre

The debates will take place over three days and all will share the same Chair, Claire Allen. The debates will build on each other but also can be stand-alone. There will be a 15-minute presentation each day by a key speaker, list of speakers to be confirmed, followed by questions from the Chair to promote what is hoped will be lively audience participation debate. Evidence Aid will take notes in order to publish a commentary report of the event afterwards. On each day, the Chair will pose critical questions to the speaker at the end of his/her presentation to lead the audience into the debate.

1:10PM - 1:50PM **WS03: Canadian Red Cross: From Syria to Canada**

Tuesday, 25 April 2017



Toronto

Sunnybrook
HEALTH SCIENCES CENTRE



WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

Chairs: Patricia Strong & Laura Archer
Room: Metropolitan West

The physical and mental health and dignity of people affected by crises must be at the centre of global refugee response. This plenary will convene to advance learning in service coordination and delivery to populations facing forced displacement. The panel will explore the Canadian Red Cross (CRC) engagement with Syrian populations in five countries and on a Mediterranean service ship along the continuum-of-care from Syria to Canada. Data arising from CRC end of mission (EOM) reports (n=8) and CRC Syria Response Evaluation will be discussed, further enriched by the operational experiences of deployed technical personnel and front-line service providers in Canada. A Syrian who journeyed from Syria to Canada will outline his/her recommendations for improving service coordination and delivery from the perspective of a service-user.

1:10PM - 1:50PM

WS04: Lessons from the Field, Disaster Medicine Controversies, Humanitarian Aid - Wisdom of the Crowd

Chairs: Kobi Peleg
Room: Metropolitan East

This plenary will present evidence base (by numbers) of the low cost-effectiveness of the Urban Search and Rescue (USAR) teams according to their current mode of operation. In recent large scale earthquakes the number of survivors rescued by USAR teams was very low. The reason for this disappointing outcome is not the quality of the USAR teams. An explanation of the logic and the evidence of the decision, the content of the light rescue training program, how it will influence the preparedness of the Israeli population, and its potential impact on saving lives during earthquakes or other disasters will be provided.

1:10PM - 1:50PM

WS05: CBRN - Mass Casualty Decontamination during a Chemical Incident

Chairs: Mark Kirk & Chuck McKay
Room: Queens Quay

- List the Level I (strong scientific evidence & strong consensus) recommendations regarding mass casualty decontamination.
- List the Level II (some scientific evidence & strong consensus) recommendations regarding mass casualty decontamination.
- Use these evidence-based guidelines to help refine your mass casualty



Toronto

Sunnybrook
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WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

decontamination procedures and policies.

1:05PM - 1:55PM

WS06: Public Health - Great East Japan Earthquake

Chairs: Sae Ochi & Shuhei Nomura

Room: Wellington Room

The Sendai Framework is the first major agreement of the post-2015 development agenda with seven targets and four priorities for action. Health resilience is strongly promoted throughout. This panel is focused on how the lessons from Japan's 2011 disasters can be used for the implementation of the Sendai Framework within the context of public health. Examples on the lessons include radiation protection and non-radiological health impacts of radiation countermeasures (evacuation/indoor-sheltering) in the disaster affected areas. This session will share some of the worrying issues identified in the response to the 2011 disasters in Japan and provide an important opportunity for collaborative review of the health impacts and issues which apply to all working in disaster risk reduction and disaster risk management at every level and in all regions.

1:00PM - 2:00PM

Lunch

Room: Frontenac Room

Enjoy a "Grab and Go" lunch and network with other Congress delegates.

2:00PM - 4:00PM

CS07: Psychosocial and Behavioral Health

Chairs: Gordon Dodge & Joanne Joloy

Room: Metropolitan Centre

• 2:00PM - 2:10PM

CS07-01: Disaster after September 11, 2001: the Long-term Impact on Responding Medics

Presenter: Cameron Anderson - Edith Cowan University, Australia

• 2:10PM - 2:20PM

CS07-02: Level of Individual Preparedness for an Earthquake among Voluntary Medical Rescuers in Turkey

Presenter: Sidika Tekeli Yesil - Hacettepe University Institute of Public Health, Turkey

• 2:20PM - 2:30PM

CS07-03: An Exploration of the Effects that Frequent Exposure to Life-threatening Events may have on a Critical Care Paramedic's Psychological Well-being

Presenter: Emma Vyvyan - University of Surrey, United Kingdom



Toronto

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WADDEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

- 2:30PM - 2:40PM **CS07-04: Psychological Correlates of Preparedness Behavior of Civilian Populations to Armed Conflicts**
Presenter: Moran Bodas - Tel Aviv University, Israel
- 2:40PM - 2:50PM **CS07-05: Preparedness Promoting and Delaying - What Factors Influence Civilian Preparedness to Armed Conflicts?**
Presenter: Moran Bodas - Tel Aviv University, Israel
- 2:50PM - 3:00PM **CS07-06: A Media Analysis of Canadian Disasters: How are Capability and Vulnerability Framed?**
Presenter: Tracey O'Sullivan - University of Ottawa, Canada
- 3:00PM - 3:10PM **CS07-07: Enhancing Community Resilience in the Context of an Earthquake among Residents of a Peripheral City in Israel**
Presenter: Stav Shapira - Ben Gurion University of the Negev, Israel
- 3:10PM - 3:20PM **CS07-08: Anticipating the Psychosocial Impact of Disasters and Crises: The Need for an Interdisciplinary Social Science Framework**
Presenter: Michel Dücker - NIVEL, Netherlands
- 3:20PM - 3:30PM **CS07-09: Mindfulness in Disaster Response**
Presenter: Sukhshant Atti - Department of Emergency Medicine, Beth Israel Deaconess Medical Center, United States
- 3:30PM - 4:00PM **Conclusions**
- 2:00PM - 4:00PM CS08: Veterinary Medicine and Animal Care**
Chairs: Cathy Furness & Shoshana Weiner
Room: Metropolitan West
- 2:00PM - 2:10PM **CS08-01: An Emergency Exercise in the Veterinary Diagnostic Laboratory - Preparing for a Foreign Animal Disease Outbreak**
Presenter: Maria Spinato - University of Guelph, Canada
- 2:10PM - 2:20PM **CS08-02: Establishment of Safer Animal Rescue Capacity in Turkey**
Presenter: Halil Selcukbiricik - Aksaray Univ, Turkey
- 2:20PM - 2:30PM **CS08-03: Veterinary Oversight of a Short-Term Housing and Veterinary Care Facility for Companion Animals Evacuated due to a Wildfire in Alberta, Canada**
Presenter: Cary Hashizume - Calgary Animal Referral and Emergency Centre



Toronto

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HEALTH SCIENCES CENTRE



WADDEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

Animal Hospital, Canada

- 2:40PM - 2:50PM **CS08-05: Animals in Disasters: Lessons Learned from California's 2015 Valley Fire**
Presenter: Patricia Andrade - University of California, Davis, United States
- 2:50PM - 4:00PM **Conclusions**
- 2:00PM - 4:00PM CS09: Disaster Medicine Principles**
Chairs: Emmanuel Rohrbacher & Mark Levitan
Room: Metropolitan East
- 2:00PM - 2:10PM **CS09-01: Understanding the Impact of Visual Imagery in Emergency Warning Messages**
Presenter: Vivienne Tippett - QUT, Australia
- 2:10PM - 2:20PM **CS09-02: Outcome Following Cranioplasty, with Bone Flap Stored in Bone Bank or in Abdomen, in Severe Head Injury Patients**
Presenter: Aswathy Indira - Jai Praksh Narayan Apex Trauma Centre, AIIMS, India
- 2:20PM - 2:30PM **CS09-03: Online Disaster Training for Clinicians and Non-clinicians at a Children's Hospital**
Presenter: Phung Pham - Children's Hospital Los Angeles, United States
- 2:30PM - 2:40PM **CS09-04: A Pilot Study to Assess Whether the Public can Achieve Consensus on Patient Prioritization with Allocation of Scarce Resources during a Catastrophic Pandemic**
Presenter: Jay Morah - University of Toledo, United States
- 2:40PM - 2:50PM **CS09-05: Hierarchical Task Analysis as a Method to Support Emergency Response Planning**
Presenter: Carl-Oscar Jonson - Linköping University, Sweden
- 2:50PM - 3:00PM **CS09-06: Hospital Disaster Victim Registration: a National Standard in Belgium**
Presenter: Christel Hendrickx - University Hospitals Leuven, Belgium
- 3:00PM - 3:10PM **Q&A**
- 3:10PM - 3:20PM **CS09-08: Willingness to Work of Hospital Staff in Disasters: A Pilot Study in**



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WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

Belgian Hospitals

Presenter: Christel Hendrickx - AZ Jan Portaels, Belgium

- 3:20PM - 3:30PM **CS09-09: International Guidelines for Foreign Medical Workers' Response to Natural Disasters in Low and Middle-Income Countries: Do they Exist, and Are they Being Followed? A Literature Review of Current International Policy and Grounded Theory Study of the Response**
Presenter: Ola Dunin-Bell - McMaster University, Canada

- 3:30PM - 3:40PM **CS09-10: Cindynics Contribution to Crisis/Disasters Strategic Steering**
Presenter: Jan-Cedric Hansen - Société Française de Médecine de Catastrophe, France

- 3:40PM - 3:50PM **CS09-11: The European Advanced Medical Strategic Triage Doctrine, as a Potential Enrichment for the Federal Emergency Management Agency's National Response Framework**
Presenter: Jan-Cedric Hansen - Société Française de Médecine de Catastrophe, France

- 3:50PM - 4:00PM **Conclusions**

2:00PM - 4:00PM **CS10: Nursing Track**

Chairs: Wendy McKenzie & Erin Arcipowski

Room: Queens Quay

- 2:00PM - 2:10PM **CS10-01: A Survey on Disaster Preparedness Knowledge and Attitudes of BAVU Nursing Department Students**
Presenter: Özcan Erdogan - Bezmialem Vakif University, Turkey

- 2:10PM - 2:20PM **CS10-02: Success Strategy for Nursing Professionals in Health and Disasters**
Presenter: Yudix Ferreiro Rodríguez - Escuela Nacional de Salud Pública (ENSAP), Cuba

- 2:20PM - 2:30PM **Q&A**

- 2:30PM - 2:40PM **CS10-04: Development and Effect of a Multi-Modality Disaster Training Program for Hospital Nurses**
Presenter: Jiyoung Noh - Yonsei University Severance Hospital, Republic of Korea

- 2:40PM - 2:50PM **CS10-05: Emergency Nurse Knowledge of Emergency Preparedness: An**



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WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

Education Gap Analysis

Presenter: Jessica Trivett - New Jersey Emergency Nurses Association, United States

- 2:50PM - 3:00PM **CS10-06: Primary Health Care Team Response to Floods in Brazilian Rural Areas**
Presenter: Regina Witt - Universidade Federal do Rio Grande do Sul, Brazil
- 3:00PM - 3:20PM **Q&A**
- 3:20PM - 3:30PM **CS10-09: Australian Civilian Hospital Nurses' Lived Experience of the Out-of-Hospital Environment following a Disaster: A Lived-Space Perspective**
Presenter: Jamie Ranse - University of Canberra, Australia
- 3:30PM - 3:40PM **CS10-10: How Disaster Response in the Emergency Department Disrupts our Lived World**
Presenter: Karen Hammad - Flinders University, Australia
- 3:40PM - 3:50PM **CS10-11: Moments of Disaster Response in the Emergency Department**
Presenter: karen hammad - Flinders University, Australia
- 3:50PM - 4:00PM **Conclusions**
- 2:00PM - 4:00PM CS11: Situational Awareness Systems**
Chairs: Toni Staykova & Aki Tanaka
Room: Yonge Room
- 2:00PM - 2:10PM **CS11-01: EDXL-LD and Architectural Tactics towards Information Sharing and Interoperability in Emergency Context**
Presenter: Ilkka Niskanen - VTT - Technical Research Center of Finland, Finland
- 2:10PM - 2:20PM **CS11-02: The J-SPEED: A Medical Relief Activities Reporting System for Emergency Medical Teams in Japan**
Presenter: Tatsuhikiko Kubo - University of Occupational and Environmental Health, Japan
- 2:20PM - 2:30PM **CS11-03: How do we Measure Severity? An Assessment of Five Indexes used in Sudden Onset Disasters and Complex Emergencies to Measure Severity and Risk**
Presenter: Anneli Eriksson - Karolinska Institutet, Sweden



Toronto



WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

- 2:30PM - 2:40PM **CS11-04: Enhanced Situational Awareness through a Decision Support Service for Optimal Allocation of Resources and Response Capacity**
Presenter: Ilkka Niskanen - VTT - Technical Research Center of Finland, Finland
- 2:40PM - 2:50PM **CS11-05: Comparison of UAV Technology vs No UAV Technology in Identification of Hazards at a MCI Scenario in Primary Care Paramedic Students**
Presenter: Trevor Jain - University of Prince Edward Island/Holland College, Canada
- 2:50PM - 3:00PM **CS11-06: Developing the Chemical Information System Requiring Emergency Medical Information in Disaster**
Presenter: Soon-Joo Wang - Hallym University, Republic of Korea
- 3:00PM - 3:10PM **CS11-07: Thailand's Hospital Awareness in Emergency and Disaster Preparedness (THAI-EDP) Study: A National Survey**
Presenter: Prasit Wuthisuthimethawee - Prince of Songkla University, Thailand
- 3:20PM - 3:30PM **CS11-09: Being Aware of the Situation: Situational Awareness in the Emergency Department**
Presenter: Olurotimi Akinola - University of Witswatersrand, South Africa
- 3:30PM - 4:00PM **Conclusions**
- 2:00PM - 4:00PM WS07: Pediatrics - Hospital Mass Decontamination & Simulation: 10 Steps to Success**
Chairs: Elene Khalil & Ilana Bank
Room: Bay Room

This workshop is focused on the essential steps required to develop, plan, organize, and execute a successful real-time in-situ disaster simulation including pediatric victims in the hospital setting. It will include a mini-plenary session on pediatric-specific vulnerabilities in disasters, which can serve as an example of other vulnerable populations. Lessons learned from a large-scale mass decontamination simulation will be shared as well. Break-out sessions will help the participant to apply the principles presented to their own setting and to have a starting point to planning a simulation in their own institution.

- 2:00PM - 4:00PM WS08: Civil-Military Collaborative Operations - Lessons We've Learned**
Chair: Paul Farrell



Toronto

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HEALTH SCIENCES CENTRE



WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

Room: Wellington Room

- 2:00PM - 2:30PM

Why We Are Here: Introduction

Presenter: Paul Farrell, WADEM, Canada

Framing the Issue

Presenter: Donald Donahue, University of Maryland University College, United States

- 2:30PM - 3:15PM

Panel: Evolving Missions

Presenters: Ricardo Izurieta, Universidad San Francisco de Quito, Ecuador & J. Dahman, Canadian International Medical Relief Organization, Canada

- 3:15PM - 4:00PM

Panel: Deeper into Complexity

Presenters: Christian Haggemiller, Bundeswehr Staff College, Germany & Lauren Sauer, Johns Hopkins University, United States & Ricardo Izurieta, Universidad San Francisco de Quito, Ecuador

- 4:00PM - 4:30PM

PS02: Poster Session with Presenters Present

Chairs: Cathy Zhang, Dean Popov, Elaine Daily, Faisal Khosa, Frank Walter, Hilarie Cranmer, Kirsten Johnson, Lisa Schwartz, Marv Birnbaum, Melissa Genereux, Pinchas Halpern, Robert Feldman, Sue Anne Bell, Vered Gazit & Sam Toloo

Room: Frontenac Room

PS02-01: The Role of Rapid Enzymatic Escharotomy and Eschar Removal in Burn Mass Casualty Incidents

Presenter: Lior Rosenberg - Meir Medical Center, Israel

PS02-02: Mass Exposure to Hydrofluoric Acid and Response: The Green Island Fire, New York

Presenter: David Kassel - Albany Medical Center, United States

PS02-03: Necessity of Information Sharing System of Air Dose Levels to Secure enough Medical Teams within the Evacuation Zone in Nuclear Disasters

Presenter: Masaru Ogasawara - Aomori Prefectural Central Hospital, Japan

PS02-04: Nuclear Disasters: Our Actual Medical Experience

Presenter: Yoshikura Haraguchi - Keiyo Hospital, Japan



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WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

PS02-05: Our Preparedness for Radiological Disaster as the City Suffered from the Atomic Bomb Attack, Japan

Presenter: Yoshihiro Nozaki - Nagasaki university hospital, Japan

PS02-06: Emerging Disasters and Non Traditional Health Threats, A Terminology Scoping Review

Presenter: Joseph Cuthbertson - Monash University, Australia

PS02-07: Lessons Learned from Trauma Injury Patients by Medical Support in the Aftermath of Typhoon Yolanda in the Philippines

Presenter: tomofumi ogoshi - Tottori University Hospital, Japan

PS02-08: Report of Hospital Evacuations in the 2016 Kumamoto Earthquake

Presenter: Akinori Wakai - National Hospital Organization Osaka National Hospital, Japan

PS02-09: The Concept of "Aesthetic of Disaster" and its Usefulness for Disaster Preparedness Plans

Presenter: Jan-Cedric Hansen - Société Française de Médecine de Catastrophe, France

PS02-10: Identify the Capacity of a District Hospital Response in Bogota, for a Mass-Casualty Event - Earthquake

Presenter: Fabian Rosas - Fundación Santa Fe, Colombia

PS02-11: Experience of Nagano Prefectural Kiso Hospital in the Volcanic Eruption Disaster of Mt. Ontake

Presenter: Atsushi Inoue - Nagano Prefectural Kiso Hospital, Japan

PS02-12: Disaster Medicine - Significance of Disaster Medicine Compendium

Presenter: Yoshikura Haraguchi - Keiyo Hospita, Japan

PS02-13: Improving Attendants Flow and Reducing Emergency Unit Crowding in Emergency Department of Black Lion Specialized Hospital, Addis Ababa Ethiopia

Presenter: Lemlem Beza - Addis Ababa University, Ethiopia

PS02-14: Alleviating Emergency Room Patient Overload during a Disaster (AERPOD)

Presenter: Shoshana Weiner - New York City Emergency Management, United States



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WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

PS02-15: Is Emergency Medical Services (EMS) in Islamic Republic of Iran Practical and Efficient in Facing Ebola?

Presenter: Behrooz Iran Nejad - Arak University Of Medical Sciences, Arak, Iran, Iran

PS02-16: Harmony in Emergency Departments

Presenter: Kay Goudarzi - Independed, United States

PS02-17: Rad-Aid UTHHealth Houston Chapter, in Morocco, 2017 Project

Presenter: Latifa Sanhaji - UTHHealth Houston. McGovern Medical School, United States

PS02-18: Human Right to Healthcare: Equitable, Evidence-Informed Policy on Refugee Health Care in Canada

Presenter: Valentina Antonipillai - McMaster University, Canada

PS02-19: ETHICS in Disaster Response: The Development of an Ethics Disaster Response Program

Presenter: Annekathryn Goodman - Massachusetts General Hospital, Harvard Medical School, United States

PS02-20: Facilitating Decision-Making and Provision of Medical Care during Disasters through Utilization of a Comprehensive Computerized Information System

Presenter: Victor Bero - MEUHEDET, Israel

PS02-21: The Introduction of Hospital MIMMS, A United Kingdom Based Hospital Mass Casualty Response Course to Australia: Needs, Issues and Solutions

Presenter: Peter Logan - National MIMMS Working Group, Australia

PS02-22: Maintaining Continuity of Care in the Recovery Phase With Family Medicine

Presenter: Sneha Chacko, MD - Department of Emergency Medicine BIDMC, United States

PS02-23: The Role of Hospital Volunteers in Disaster Planning and Response

Presenter: Alexandra Bernard - McGill University Health Centre, Canada

PS02-24: Catastrophic Data Disruptions: A New Frontier for Disaster



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WADEM Congress on Disaster and Emergency Medicine • 25-28 April 2017

Preparedness

Presenter: Puneet Seth - Singhealth (Sengkang Hospital), Singapore

PS02-25: Ensuring Operational Continuity of Community Healthcare Services During Disasters

Presenter: Gal Horowitz - kupat holim meuhedet, Israel

PS02-26: What are the Most Effective Methods of Disaster Preparation for Health Professionals and Support Staff? Perspectives from Staff at St Vincent's Private Hospital, Sydney - Phase 1 of a Multi-site Study

Presenter: Jeremy Gowing - St Vincent's Private Hospital, Sydney, Australia

PS02-27: Disaster Management and Emergency Preparedness within Turkish Healthcare System

Presenter: Erkan Gunay - Sisli Hamidiye Etfal Training and Research Hospital, Turkey

PS02-28: Developing a Context Appropriate Emergency Department Disaster Preparedness Protocol in Black Lion Hospital, Addis Ababa, Ethiopia

Presenter: Finot Yayehyirad - Addis Ababa University, college of health sciences, Ethiopia

PS02-29: Facilitating Decision Making During Disasters to Ensure Continuity of Home-Care Services to Vulnerable Populations during Disasters

Presenter: Gal Horowitz - kupat holim meuhedet, Israel

PS02-30: Provision of Primary Care Services to Civilian Populations following their Evacuation During Crisis

Presenter: Gal Horowitz - kupat holim meuhedet, Israel

PS02-31: An Overview of Emergency Medicine Services within the National Park Service: Highlights and Selected Case Studies

Presenter: Lily Hitchner - UCSF Fresno, United States

PS02-32: Prevention and Risk Management from Nature to Society: How can Medicine Help Reduce the Refugee Crisis in Mexico?

Presenter: Joanne Joloy - Ya Respondiste A.C., Mexico

PS02-33: The Educational Challenge in 2017: Providing Emergency Care to Migrants and Vulnerable People

Presenter: Alessandro Barelli - European Center for Disaster Medicine, San



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WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

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PS02-34: Evidence: Aid Special Collection for the Health of Refugees and Asylum Seekers

Presenter: Claire Allen - Evidence Aid, United Kingdom

PS02-35: Ethics and Palliative Care During International Humanitarian Action

Presenter: Mollie Sivaram - McMaster University, Canada

PS02-36: Epidemiological Humanitarian Aid: Data for Evidenced Based Decision Making in Disaster and Conflict Medicine

Presenter: John Quinn V - Prague Center for Global Health, Institute of Hygiene and Epidemiology, First Faculty of Medicine, Charles University, Czech Republic

PS02-37: When Electronic Health Records and Humanitarian Aid Meet: Technology in a Rural Setting

Presenter: Yuzeng Shen - Singapore General Hospital, Singapore

PS02-38: The Impact of Social Media Platforms on the Engagement of Stakeholders in the Context of the Provision of Humanitarian Data

Presenter: Kristin Ringstad - Evidence Aid, United Kingdom

PS02-39: What is the Interest of the International Health Emergency Responders in Organizational Improvement?

Presenter: Soichiro Kai - Hyogo Emergency Medical Center, Japan

4:30PM - 6:00PM

CS12: Emergency Department Overcrowding & Access to Care

Chairs: Knox Andress & Maria Cadiz

Room: Metropolitan Centre

• 4:30PM - 4:40PM

CS12-02: Overcrowding is Still a Big Problem for our Emergency Services, Real Disaster is in our Emergency Departments in Turkey

Presenter: Volkan Ülker - Bülent Ecevit University Faculty Of Medicine, Turkey

• 4:40PM - 4:50PM

CS12-03: Causes of Overcrowding and NEDCOS Score at Resource Limited Setting: Experience from Ethiopian Tertiary Care Hospital Emergency Center

Presenter: Temesgen Abicho - Addis Ababa University, Ethiopia

• 4:50PM - 5:00PM

CS12-04: "No Bed Syndrome": Unmet Demand for Hospital Beds in the Emergency Department (ED) of Komfo Anokye Teaching Hospital (KATH)

Presenter: Joseph Bonney - Komfo Anokye Teaching Hospital, Ghana



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WADEM Congress on Disaster and Emergency Medicine • 25-28 April 2017

- 5:00PM - 5:10PM Q&A
- 5:10PM - 5:20PM **CS12-06: Waiting Times in a Tertiary Academic Hospital Emergency Department, Iran**
Presenter: Elham Pishbin - Mashhad university of medical sciences, Iran
- 5:20PM - 5:30PM **CS12-07: Increased Burdens of Emergency Departments - Organizational Challenges**
Presenter: Przemyslaw Gula - Polish Armed Forces, Poland
- 5:30PM - 6:00PM **Conclusions**
- 4:30PM - 6:00PM CS13: Veterinary Medicine and Animal Care**
Chairs: Stella Anyangwe & Jasmine Dhillon
Room: Metropolitan West
- 4:30PM - 4:40PM **CS13-01: Incorporation of Experiential Learning for Disaster Response for Veterinary Students, Veterinarians, and Other Animal Stakeholder Groups, Strengthens Overall Community Resilience**
Presenter: Rebecca Mcconnico - Louisiana State University, United States
- 4:40PM - 4:50PM **CS13-02: Veterinary Integration into Multi-agency Disaster Response: Training the Next Generation of Responders**
Presenter: Patricia Andrade - University of California, Davis, United States
- 4:50PM - 5:00PM **CS13-03: Co-Location and Close Proximity Facilities for Animal and Human Sheltering as Part of a Community Disaster Preparedness Plan: Application of GIS**
Presenter: Patricia Andrade - University of California, Davis, United States
- 5:00PM - 5:10PM **CS13-04: Epidemiological Evaluation of Cat Health at a First-response Animal Shelter in Fukushima, following the Great East Japan Earthquakes of 2011**
Presenter: Aki Tanaka - Nippon Veterinary and Life Science University, Japan
- 5:10PM - 5:20PM **CS13-05: Disaster Preparedness for Pets**
Presenter: Aki Tanaka - Nippon Veterinary and Life Science University, Japan
- 5:20PM - 5:30PM **CS13-06: Epidemiological Evaluation of Dogs Rescued in the Fukushima Prefecture Following the Great East Japan Earthquakes of 2011**
Presenter: Aki Tanaka - Nippon Veterinary and Life Science University, Japan



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WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

- 5:30PM - 6:00PM **Conclusions**

- 4:30PM - 6:00PM CS14: Disaster Medicine Principles**
Chairs: Pinchas Halpern & Felix Chilunga
Room: Metropolitan East

- 4:30PM - 4:40PM **CS14-01: Establishment of a National Catastrophe Plan for the Delivery of Care for Burn Patients in Lebanon**
Presenter: Nagi Souaiby - St Joseph University, Lebanon

- 4:40PM - 4:50PM **CS14-02: Patient and Family Reunification During Disasters - Hospital Perspectives and Process Improvements, Boston, MA**
Presenter: David Reisman - Massachusetts General Hospital, United States

- 4:50PM - 5:00PM **CS14-03: Communication: The Antidote to Chaos during a Mass Casualty Event**
Presenter: David Reisman - Massachusetts General Hospital, United States

- 5:00PM - 5:10PM **CS14-04: Airport Aviation Disaster Patient Transfer Point Lifesaving Enhancement**
Presenter: Eli Jaffe - Magen David Adom in Israel, Israel

- 5:10PM - 5:20PM **CS14-05: Pediatrics for the Non-Pediatric Provider: Kids are Just Small Adults**
Presenter: Vicki Sakata - Northwest Healthcare Response Network, United States

- 5:20PM - 5:30PM **CS14-06: Development and Application of an Educational Program for Medical Disaster Health Coordinators in an Earthquake and Tsunami Prone Area of Japan**
Presenter: Taichi Takeda - Mie University Hospital, Japan

- 5:30PM - 5:40PM **CS14-07: Creating Order Out of Chaos: Centralized Team Training for Disaster and Austere Medical Response.**
Presenter: Richard Koehler - Mammoth Hospital, United States

- 5:40PM - 6:00PM **Conclusions**

- 4:30PM - 6:00PM CS15: Emergency Department Overcrowding & Access to Care**
Chairs: Kobi Peleg & John Armstrong



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WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

Room: Queens Quay

- 4:30PM - 4:40PM **CS15-01: Risk Recognition: Rationing Emergency Department Care as a Response to Overcrowding**
Presenter: Sandra Richardson - Canterbury District Health Board, New Zealand
- 4:40PM - 4:50PM **CS15-02: The Lack of Supra-Specialty/Specialty of Emergency Medicine in Greece: The Necessity, The Steps, The Problems, and the Delays**
Presenter: Helen Pavlidou - General Hospital of Patras, Greece
- 4:50PM - 5:00PM **CS15-03: Turning the Heat Up on Admissions: The Impact of Extreme Heat Events on Hospital Admissions**
Presenter: Kaitlyn Porter - Queensland University of Technology, Australia
- 5:00PM - 5:10PM **CS15-04: Impact of Evaluating Patients in Chairs on Emergency Department Length of Stay**
Presenter: Sudhir Baliga - Henry Ford Hospital, United States
- 5:10PM - 5:20PM **CS15-05: Stakeholder Views on Emergency Department Operational Challenges: Causes and Potential Remedies**
Presenter: Dagan Schwartz - Ben-gurion University, Israel
- 5:20PM - 5:30PM **CS15-06: The Affordable Care Act and Changes in Emergency Department Usage between Two Michigan Hospitals**
Presenter: Howard Klausner - Henry Ford Hospital, United States
- 5:30PM - 5:40PM **Q&A**
- 5:40PM - 5:50PM **CS15-08: Improving Efficiencies with Real Time Locating Systems in Emergency Departments**
Presenter: Gary Mann - Rouge Valley Health System-Ajax and Pickering Health Centre, Canada
- 5:50PM - 6:00PM **Conclusions**
- 4:30PM - 6:00PM CS16: Triage**
Chairs: Mike Christian & Soon-Joo Wang
Room: Yonge Room
- 4:30PM - 4:40PM **CS16-01: A National Survey of Emergency Department Triage Systems in Thailand**



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WADEM Congress on Disaster and Emergency Medicine • 25–28 April 2017

Presenter: Porn-tip Wachiradilok - National Institute for Emergency Medicine, Thailand

- 4:40PM - 4:50PM **CS16-02: Do Physicians Triage Patients more Reliably than Nurses in the Emergency Departments? A Meta-analysis**
Presenter: Elham Pishbin - Mashhad University of Medical Sciences, Iran
- 4:50PM - 5:00PM **CS16-03: Diagnostic Accuracy of The Kampala Trauma Score using Estimated Abbreviated Injury Scale Scores and Physician Opinion**
Presenter: Nkechi Dike - Komfo Anokye Teaching Hospital, Ghana
- 5:00PM - 5:10PM **CS16-04: Comparison of Six Disaster Triage Methods using the Wenchuan Earthquake Victim Database**
Presenter: Hai Hu - West-China Hospital, Sichuan University, China
- 5:10PM - 5:20PM **CS16-05: Mass-Casualty Events: How do we Ensure an Efficient and Effective Response?**
Presenter: Jakki Lea - Queensland University of Technology, Australia
- 5:30PM - 5:40PM **CS16-07: Comparison of the Predictive Value of Four Burn Scores for Death Risk in Burns Patients in Emergency Departments**
Presenter: Yan Bai - West-China Hospital, Sichuan University, China
- 5:40PM - 5:50PM **CS16-08: New Triage System: Using Digitized Information Entered via a Digital Pen**
Presenter: Shinya Yaguchi - Hirosaki University Hospital, Japan
- 5:50PM - 6:00PM **Conclusions**
- 4:30PM - 6:00PM WS08: Civil-Military Collaborative Operations**
Chair: Paul Farrell & Ying Ying Yew
Room: Wellington Room
- 4:30PM - 4:40PM **WS08-04: An Evaluation of the Effectiveness of the Australian Army's Aboriginal Community Assistance Program from a Military Participant Perspective**
Presenter: Joanne Briggs - Australian Army, Australia
- 4:40PM - 4:50PM **WS08-05: Military Surgical Team Care in Civilian Hospitals during Russia's Hybrid War against Ukraine: Injury Patterns and Care Practices**
Presenter: Oleksandr Garashchuk - Medical Director, NGO "Patriot Defence",



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WADEM Congress on Disaster and Emergency Medicine • 25-28 April 2017

Ukraine

- 4:50PM - 5:00PM **WS08-06: Outcome for Patients with Extremity Wound Infection Following War-Associated Injuries**
Presenter: Andreas Älgå - Karolinska Institutet, Sweden
- 5:00PM - 5:10PM **WS08-07: Military and Civilian Collaboration within Medical First Responders - the Israeli Experience**
Presenter: Eyal Furman - Israel Defense Forces Home Front Command, Israel
- 5:10PM - 5:20PM **WS08-08: Military and Civilian Experience in Providing Medical Care to Pediatric Patients in Disasters and Mass Casualty Incidents - What Can We Learn from Each Other?**
Presenter: Katarzyna Dlugosz - Jagiellonian University Medical College, Poland
- 5:20PM - 5:30PM **WS08-09: Development of New Triage and Scene Management Techniques to Provide a More Effective Response to Active Shooter Situations.**
Presenter: Brad Keating - Colorado Springs Fire Department, United States
- 5:30PM - 5:40PM **WS08-10: Evacuating a Geriatric Medical Facility during Emergencies - Exercising a Complex Challenge**
Presenter: Ronit Ringel - Ministry of Health, Israel
- 5:40PM - 6:00PM **Conclusions**

4:30PM - 6:00PM WS09: EMR - Prehospital Spinal Care Immobilisation
Chairs: Joseph Cuthbertson
Room: Bay Room

To host a roundtable exploring best practice prehospital spinal immobilization.

6:00PM - 8:00PM Networking Reception (Ticketed)
Room: Frontenac Room