

## 2025 International Symposium for Poison Control and Research Development

### Day 1, Nov 14 | Clinical Toxicology Approach to CBRNe

| Time        | Topic / Speaker   | Duration |
|-------------|---|----------|
| 08:00–08:15 | Registration  |          |
| 08:15–08:25 | Opening Remarks   | 10 min   |
|             | <p style="text-align: center;"><i>Session 1 – CBRNE Readiness &amp; Hazard Management</i></p> <p><i>Session Moderators</i></p> <p>Dr. Chen-Chang Yang (Taipei Veterans General Hospital, Taiwan)<br/>           Dr. Wen-Chi Fann (Chang Gung Memorial Hospital, Chiayi, Taiwan)</p> |          |
| 08:25–09:00 | <p>The Critical Role of Poison Centers in CBRN Disaster Response: Lessons from Two Rail Car Events</p> <p>Dr. Alvin C. Bronstein (America's Poison Centers, USA)</p>  | 35 min   |
| 09:00–09:25 | <p>CBRN”E” Overview</p> <p>Dr. Luke Yip (Denver Health, Rocky Mountain Poison &amp; Drug Safety, USA)</p>   | 25 min   |
| 09:25–09:50 | <p>Chemical HAZMAT incidents – How to Manage and Be Prepared</p> <p>Dr. Raido Paasma (West-Tallinn Central Hospital, Estonia)</p> <hr/> <p>CWA in Baltic Sea – Possible Chemical Threat or Sleeping Disaster</p> <p>Dr. Raido Paasma (West-Tallinn Central Hospital, Estonia)</p>   | 25min    |
| 09:50–10:05 | Tea Break   | 15 min   |
|             | <p style="text-align: center;"><i>Session 2 – Clinical Skills &amp; Emerging Tools</i></p> <p><i>Session Moderators</i></p> <p>Dr. Riley Jones (MedGlobal)<br/>           Dr. Tim Conley (MedGlobal)</p>  |          |
| 10:05–10:20 | <p>Structured Trauma Ultrasound (EFAST): Theory and Practical Training</p> <p>Dr. Chia-Chin Chen (Chang Bing Show-Chwan Memorial Hospital, Changhua)</p>  | 15 min   |
| 10:20–10:50 | <p>Training for Rare Nuclear, Biological, or Chemical Events: How to Optimize Learning and Skills?</p> <p>Dr. Farshad Mazda Shirazi (Arizona Poison and Drug Information Center, USA)</p>   | 30 min   |
| 10:50–11:20 | <p>Ionizing Radiation Exposure and Injury: Improving Competency for Clinicians</p> <p>Dr. Farshad Mazda Shirazi (Arizona Poison and Drug Information Center, USA)</p>   | 30 min   |
| 11:20–11:50 | <p>Artificial Intelligence-Enhanced Mass Casualty Triage in Poison Centers: Revolutionizing Emergency Response to Chemical Disasters</p> <p>Dr. Alvin C. Bronstein (America's Poison Centers, USA)</p>  | 30 min   |
| 11:50–12:00 | Panel Discussion & Q&A  | 10 min   |

| Time        | Topic / Speaker   | Duration |
|-------------|---|----------|
| 12:00–13:30 | Lunch Break   | 90 min   |
|             | <p style="text-align: center;"><i>Session 3 – Natural Toxins</i></p> <p><i>Session Moderators</i><br/>           Dr. Cheng-Chung Fang (National Taiwan University Hospital, Taiwan)<br/>           Dr. Te-I Weng (National Taiwan University Hospital, Taiwan)</p>              |          |
| 13:30–14:15 | Bongkrelic Acid Poisoning Outbreak in Taiwan<br>Dr. Jou-Fang Deng (Taipei Veterans General Hospital, Taiwan)  | 45 min   |
| 14:15–15:00 | Natural Toxins as Warfare Agents and Countermeasures (Virtual)<br>Dr. Bruno Mégarbane (Paris University, France)  | 45 min   |
| 15:00–15:30 | Palytoxin<br>Dr. Luke Yip (Denver Health, Rocky Mountain Poison & Drug Safety, USA)   | 30 min   |
| 15:30–15:45 | Tea Break   | 15 min   |
|             | <p style="text-align: center;"><i>Session 4 – Novel Therapeutics</i></p> <p><i>Session Moderators</i><br/>           Dr. Jou-Fang Deng (Taipei Veterans General Hospital, Taiwan)<br/>           Dr. Luke Yip (Denver Health, Rocky Mountain Poison &amp; Drug Safety, USA)</p> |          |
| 15:45–16:25 | Small Molecule Inhibitors for the Treatment of Botulinum Intoxication<br>Dr. Kim D. Janda (Scripps Research, USA)   | 40 min   |
| 16:25–17:05 | Synthetic Opioid and Adulterant Toxicity: Antibodies/Vaccines as a Treatment Platform for Toxicity Reversal<br>Dr. Kim D. Janda (Scripps Research, USA)   | 40 min   |
| 17:05–17:30 | Panel Discussion & Q&A  | 25 min   |



More Information please visit: <https://medglobal.org/>

### Summary of Training

The MedGlobal Hazardous Materials Medical Management Train the Trainer program will be held over two days at the 2025 International Symposium for Poison Control and Research Development conference at Taipei Veterans General Hospital from November 15 to November 16, 2025. This program aims to equip trainers with the knowledge and skills necessary to manage hazardous materials and CBRN (Chemical, Biological, Radiological, and Nuclear) incidents in both pre-hospital and hospital settings. The training will include didactic sessions, practical training, and participation in educational demonstrations.

Day 2, Nov 15 08:00-17:00

Train the Trainer I

Didactic Training and Discussion

### Agenda

- Didactic Training on Toxidrome Recognition, Life-Saving Medical Care in Hazmat/Chemical Weapons Environments, and Decontamination Strategies (Wet and Dry)
- White Phosphorus Exposures
- Decontamination for Chemical Contaminated Victims
- Didactic Training on In-Hospital Management of Chemical Weapons
- Didactic Training on In-Hospital Medical Management of Radiation Emergencies
- Training on Medical Care While in Hazmat PPE by Dr. Erika Havelka
- Industrial Mass Casualty Incidents: Case-Based Panel Discussion
- Acute Chemical Exposures in The Industrial Settings: A Case-Based Discussion
- Chemical Disaster Response
- Role of Antidotes in Industrial Settings

Day 3, Nov 16 08:00-12:00

Train the Trainer II

Half-day Workshop — Simultaneous Interpretation (EN ⇄ Traditional Chinese) Provided

### Agenda

- Practical Training on Donning and Doffing of PPE, Providing Life-Saving Medical Care in Hazmat PPE, and Limitations of PPE in Hazmat/CBRN Environments

## Objectives

### 1. Provide Medical Care in CBRN and Hazardous Materials Environments:

- ◆ Understand the principles of managing patients exposed to hazardous materials and CBRN agents.
- ◆ Recognize and respond to toxidromes and other clinical presentations of chemical exposures.

### 2. Dry and Wet Decontamination Based on the PRISM Study:

- ◆ Implement effective decontamination strategies, including traditional wet decontamination and dry decontamination techniques.
- ◆ Apply findings from the PRISM study to improve decontamination processes.

### 3. Prepare Pre-Hospital and Hospital Staff to Manage Hazmat and CBRN Patients:

- ◆ Train staff on the use of personal protective equipment (PPE) and the procedures for donning and doffing PPE.
- ◆ Develop protocols for the in-hospital management of chemical, biological, radiological, and nuclear emergencies.
- ◆ Enhance the ability of healthcare providers to deliver life-saving medical care in hazardous environments.

This comprehensive training program will ensure that participants are well-prepared to train others in managing hazardous materials and CBRN incidents, ultimately improving the overall response to such emergencies and allow students to deliver this training in their home countries with support from MedGlobal.

**Day 2, Nov 15 | Train the Trainer I - Didactic Training and Discussion**

| Time        | Topic / Speaker  | Duration |
|-------------|--|----------|
| 08:00–08:20 | Registration   |          |
| 08:20–08:30 | Opening Remarks  | 10 min   |
| 08:30–10:30 | Didactic Training on Toxidrome Recognition, Life-Saving Medical Care in Hazmat/Chemical Weapons Environments, and Decontamination Strategies (Wet and Dry)<br>Dr. Tim Conley (MedGlobal)   | 120 min  |
| 10:30–10:50 | Tea Break  | 20 min   |
| 10:50–11:10 | Panel Discussion: White Phosphorus Exposures<br>Dr. Riley Jones (MedGlobal)<br>Dr. Tim Conley (MedGlobal)  | 20 min   |
| 11:10–11:40 | Update on Chemical Warfare Agents in the Ukraine Conflict: Field Evidence and Response Strategies<br>Dr. Riley Jones (MedGlobal)   | 30 min   |
| 11:40–12:00 | Decontamination for Chemical Contaminated Victims<br>Dr. Tim Conley (MedGlobal)  | 20 min   |
| 12:00–12:10 | Panel Discussion & Q&A   | 10 min   |
| 12:10–13:30 | Lunch Break  | 80 min   |
| 13:30–14:30 | Didactic Training on In-Hospital Medical Management of Radiation Emergencies<br>Dr. Riley Jones (MedGlobal)  | 60 min   |
| 14:30–15:20 | <i>Industrial Chemical Exposures and Disaster Response: Case-Based Interactive Panel Discussion</i><br><i>Panelists:</i><br>Dr. Farshad Mazda Shirazi (Arizona Poison & Drug Information Center, USA)<br>Dr. Uyen Vy Doan Vanessa (Dr.HealthCare General Clinic, Vietnam)<br>Dr. Yang Ho (Taipei Veterans General Hospital, Taiwan)<br><br><i>Topics:</i><br><ul style="list-style-type: none"> <li>• Industrial Mass Casualty Incidents</li> <li>• Acute Chemical Exposures in Industrial Settings</li> <li>• Chemical Disaster Response</li> <li>• Role of Antidotes in Industrial Settings</li> </ul> Dr. Riley Jones (MedGlobal)<br>Dr. Tim Conley (MedGlobal) | 50 min   |
| 15:20–15:40 | Tea Break  | 20 min   |

| Time        | Topic / Speaker  | Duration |
|-------------|--|----------|
|             | <i>Moderator:</i><br>Dr. Uyen Vy Doan Vanessa (Dr.HealthCare General Clinic, Vietnam)  |          |
| 15:40–16:20 | Chemical Splash<br>Dr. Jou-Fang Deng (Taipei Veterans General Hospital, Taiwan)  | 40 min   |
| 16:20–16:40 | Taiwan Antidote Network and Preparedness for Industrial Chemical Emergencies<br>Dr. Yang Ho (Taipei Veterans General Hospital, Taiwan) | 20 min   |
| 16:40–17:00 | Panel Discussion Q&A   | 20 min   |

### Day 3, Nov 16 | Train the Trainer II - Half-day Workshop

Simultaneous Interpretation (EN ⇄ Traditional Chinese) Provided

| Time        | Topic / Speaker  | Duration |
|-------------|--|----------|
| 08:00–08:30 | Registration   |          |
| 08:30–09:30 | Training on Medical Care While in Hazmat PPE<br>Dr. Erika Havelka (MedGlobal)  | 60 min   |
| 09:30–12:00 | Practical Training on Donning and Doffing of PPE, Providing Life-Saving Medical Care in Hazmat PPE, and Limitations of PPE in Hazmat/CBRN Environments<br>Dr. Riley Jones (MedGlobal)<br>Dr. Tim Conley (MedGlobal)<br>Dr. Erika Havelka (MedGlobal)<br>Dr. Sam Song (MedGlobal)<br>Ms. Anna Katherine (Katey) Mishler (MedGlobal) | 150 min  |