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Emergency Physicians Association of Turkey



RANDOX
TOXICOLOGY



INTEGRAL
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TOXINZ
POISONS INFORMATION



RESPONSE SYSTEMS
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Global Solutions for Emergency Management

9. MENATOX “KLİNİK TOKSİKOLOJİ” KONFERANSI

19 - 22 ŞUBAT 2020
RADISSON BLU HOTEL
ŞİŞLİ - İSTANBUL - TÜRKİYE

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DAY 1

Bridges between Clinical Toxicology and Public Health

Wednesday February 19, 2020

Radisson Blu Sisli, Istanbul, Turkey

Time	Topic	Speaker	Moderator
07:20 – 08:20	Registration and Breakfast		
08:20 – 08:40	Welcome	Dr. Ziad Kazzi and Dr. Behcet Al	
08:40 – 09:00	A Medical Toxicologist's Journey in Public Health	Dr. Edwin Kilbourne	
09:00 – 09:30	Poison Center Roles in Public Health- the US Model	Dr. Gaylord Lopez	
09:30 – 10:00	Poison Center Roles From the Scene to the Hospital	Ms. Lucy Shieffebien	
10:00– 10:30	Break		
10:30 – 12:30	Poison Centers in the Region: Qatar Oman KSA Turkey Iraq Lebanon	Dr. Leena Amine Dr. Badria Alhatali Dr. Mohamed Almalki Dr. Aynur Sahin Dr. Hussien Hamody Dr. Tharwat El Zahran and Dr. Ziad Kazzi	
12:30 – 1:30	Lunch		
1:30 – 2:00	Toxicology and Public Health Collaboration in Outbreaks	Dr. Trevonne Thompson	
2:00 – 2:30	Inventories Promote Security IHR Implementation in Afghanistan	Andrew Nelson, PHD Dr. Amal Alkozai	
2:30 – 3:30	Clinical Toxicology Practice and Education Session		
2:30 – 3:00	Medical Toxicology Practice and Training: The US Perspective	Dr. Paul Wax Dr. Charles McKay	
3:00 – 3:10	Clinical Toxicology Practice and Training: The Turkish Perspective	Dr. Aynur Sahin	
3:10 – 3:30	Future Steps	Panel Discussion: Dr. Paul Wax Dr. Charles McKay	Dr. Ziad Kazzi Dr. Badria Alhatali

DAY 1

		Dr. Mohammed Almalki Dr. RJ Hoffman Dr. Behcet Al	
3:30 – 4:00	Break		
4:00 – 4:30	Bridges Between Forensic Toxicology and Medical Toxicology	Dr. Naren Gunja	
4:30 – 5:30	Lead Hazards in the Region and Beyond		
	Lead Hazard Characterization in the Republic of Georgia	Dr. Ziad Kazzi	
	Lead Exposure Source Assessment	Dr. Bret Eriscson (remotely)	

DAY 1

“Medical Toxicology for EM Residents:”

Hotel Radisson Blue, Istanbul, Turkey| 19 February 2020

09.15– 09.30	Registration and pretest - Tharwat El Zahran, MD and Aynur Sahin, MD, PHD
09:30– 10:00	AAEM Guest Address: Residency in EM: Tricks for success - Dr. Lisa Moreno
10:00– 10:30	Mass Casualty Management in the ED: The Beirut Experience - Dr. Amin Kazzi
10:30– 11:00	Educational social media resources for emergency residents - Dr. Shaza Karrar
11:00– 12:00	TOX Bazaar - Dr.Khalid Alaufi, Dr.Pakhawadee Palungwachira and Dr. Musab Alkhateeb
12:00– 13:00	LUNCH
1:00– 1:30 pm	Tox ABCs and toxidromes - Dr.Lara Sulaiman, MBBS
1:30 – 2:00 pm	Diagnostic test use in medical toxicology - Abdulatif Aloumi, MBBS
2.00 – 2:30 pm	General management of poisoned patients - Aynur Sahin, MD, PhD
2.30– 3:00 pm	Common overdoses - Ellie Harmouche
3.00– 3.15 pm	Coffee Break
3:15- 3:45 pm	Lethal overdoses - Tharwat El Zahran, MD
3:45- 4:15 pm	Tox visuals - Suad Al Abri, MD
4:15 – 4:45 pm	Manangement of envenomations in ER - Dr.Mazda Shirazi
4:45 – 5:00 pm	Feedbacks - Tharwat El Zahran, MD and Aynur Sahin, MD, PHD
5:00 – 5:30	Post-Test Competition - Tharwat El Zahran, MD and Aynur Sahin, MD, PHD

DAY 1

“Management of opioid toxicity and addiction”

Hotel Radisson Blue, Istanbul, Turkey| 19 February 2020

08:00 – 08:30	Registration and welcome
08:30– 09:00	Opioids and Receptors - Dr. B. Mégarbane
09:00– 09:30	Opioid Overdose: From epidemiology to clinical presentation and laboratory findings - Dr. B. Mégarbane
09:30– 10:00	Prevention of Opioid Overdose, A Review on Global Experience - Dr. R. McDonald
10:00– 10:15	Overdose Prevention Strategies without Naloxone - Dr. H. Hassanian-Moghaddam
10:15– 10:45	Break
10:45– 11:05	Heroin Overdose - Dr. H. Hassanian-Moghaddam
11:05 – 11:25	Tramadol overdose: clinical specificities and management - Dr. B. Megarbane
11:25 – 11:45	Methadone Overdose - Dr. H. Hassanian-Moghaddam
11:45– 12:05	Buprenorphine Overdose: mechanisms of toxicity - Dr. B. Megarbane
12:05– 12:25	Opium Overdose - Dr. H. Hassanian-Moghaddam
12:25- 12:45	Overdose from other opioids - Dr. B. Megarbane
12:45- 14:00	Lunch
14:00 – 14:20	Fentanyloid Overdoses and management: The US perspective - Dr. P. Wax

DAY 1

14:20 – 14:40	Role of co-ingestions in opioid overdose and mechanisms of drug-drug interaction - Dr. B. Megarbane
14:40 – 15:00	Immediate actions need to be taken for drug overdose patients - Dr. H. Hassanian-Moghaddam
15:00 – 15:20	Opioid overdose: can we explain the individual risk from misuse and diversion? - Dr. B. Megarbane
15:20 – 15:40	Impurities in opioids, health consequences - Dr. H. Hassanian-Moghaddam
15:40 – 16:00	Take home naloxone : the international experience - Dr. R. McDonald
16:00– 16:30	Break
16:30– 16:50	An Overview of Opioid Withdrawal in Health Care Facilities, plan to reduce further overdose - Dr. H. Hassanian-Moghaddam
16:50– 17:10	Treatment of opioid Withdrawal from the French perspective - Dr. B. Mégarbane
17:10– 17:30	Health Care Facilities; Opportunities for Education and Prevention of Overdose - Dr. H. Hassanian-Moghaddam
17:30– 17:50	Overdose management challenges/Best practices in Turkey - Dr. A. Arici
17:50– 18:00	General conclusions

DAY 2 & 3

Day 2 – February 20, 2020

7:30 am – 8:30 am	Breakfast and Registration			
8:30 am – 10:00 pm	Track A Emerging issues in emergency Toxicology Moderators: Dr. Basar Cander Dr. Badria Alhatali		Track B Poison control center activities Moderators: Dr. Azzurra Schicchi Dr. Hakan Oguzturk	
	Topic	Speaker	Topic	Speaker
	The opioid epidemic in the US: where are we now and where are we going? (20 min)	Dr. Peter Akpunonu	Information Resources for Poison Centers (20 min)	Ms. Lucy Shiefflbien
	Toxic EKG (20 min)	Dr. Mehmet Okumus	Does the EM physician need to call the PCC? (20 min)	Dr. M. Evvah Karakilic
	Cannabinoid Emergencies! Beyond the munchies! (20 min)	Dr. Aynur Sahin	Occupational chemical exposures: the role of the PCC (20 min)	Dr. Gaylord Lopez
	GHB derivatives: The sleeping beauty in your ED (20 min)	Dr. Bruno Mégarbane	CV complications of performance enhancing drugs (20 min)	Dr. Suad Alabri
	Discussion (10 min)		Discussion (10 min)	
	10:00 am – 10:30 am	Coffee break + Poster and Exhibit Visit		
10:30 am – 12:30 am	Plenary Session - Dr. Bruno Mégarbane, Dr. Yesim Tuncok 1- Sulfur mustard poisoning: toxicity and management. Dr. Kai Kehe (30 min) 2- Methanol poisoning outbreak: International management guidelines. Dr. Hosein Hassanian-Moghaddam (30 min)			
	Opening Ceremony Tour of posters and sponsors (20 min) Official Representatives (20 min) MENATOX Presidential Address: Dr. Ziad Kazzi (5 min) EPAT Presidential Address: Dr. Basar Cander (5 min) MENATOX Scientific Organizing Committee: Dr. Bruno Mégarbane & Dr. Behcet Al (5 min) MENATOX Abstract Committee: Dr. RJ Hoffman (5 min)			
12:30 am – 1:30 pm	Prayer and Lunch			

DAY 2 & 3

	Poster and Exhibit Visit		
1:30-2:30	Round table: Major accomplishments by the international associations of clinical toxicology Moderators: Dr. Lisa Moreno Walton – Dr. Basar Cander ACMT – Dr. Paul Wax (10 min) EAPCCT – Dr. Davide Lonatti (10 min) APMAT – Dr. Ashish Bhalla (10 min) MENATOX – Dr Ziad Kazzi (20 min) General discussion (10 min)		
2:30 pm – 2:45 pm	Break		
2:45 am – 4:15 pm	Track A Critical Care Toxicology Moderators: Dr. Mohammad Almalki Dr. Paul Wax		Track B Clinical research in emergency medicine Moderators: Dr. Behcet Al Dr. RJ Hoffman
	Topic	Speaker	Topic
	Sedation of the agitated poisoned patient: when and how? (20 min)	Dr. Mustafa Sabak	How to conduct a research project in the ED (25 min)
	Intubation of the poisoned patient: when and how? (20 min)	Dr. Ozlem Guneyssel	How to make your case report published (25 min)
	Extracorporeal toxin removal in the poisoned patient (20 min)	Dr. Bruno Mégarbane	Telemedicine applications in toxicology (15 min)
	Update in management of OP pesticide-poisoned patients in the ED (20 min)	Dr. Praveen Aggarwal	Telemedicine applications in toxicology (15 min)
	Discussion (10 min)		Discussion (10 min)
4:15 pm - 4:30 pm	Break		
4:30 am – 6:00 pm	Track A Optimization of Toxicology Care in the ED Moderators: Dr. Brent Morgan Dr Hossein Hassanian		Track B Harm from unusual toxicities Moderators: Dr. Ashish Bhalla Dr. Suad Alabri

DAY 2 & 3

	Topic	Speaker	Topic	Speaker
	Emergency Triage of the Poisoned Patient: A Toxicological Risk Assessment (15 min)	Dr. Behcet Al	Not all that glitters is gold! Elemental mercury toxicity (20 min)	Dr. Paul Wax
	To screen or not to screen? Drug screening in the ED (15 min)	Dr. Mohammad Almalki	Arsenic poisoning (20 min)	Dr Chuck McKay
	Toxicology disaster management: the Turkish experience (15 min)	Dr. Semih Kortkut	Thallium poisoning: the Iraqi experience (20 min)	Dr. Hussein Hamoudi
	Emergency Medicine Practice Issues in the MENA Region (15 min)	Dr. Amin Kazzi	Mad honey poisoning (20 min)	Dr. Abdulkadir Gündüz
	Personnel burnout: is it compromising for outbreak management? (15 min)	Dr. Gulseren Elay		
	Discussion (15 min)		Discussion (15 min)	

DAY 2 & 3

Day 3– February 21, 2020

7:30 am – 8:30 am	Breakfast and Registration			
	Track A Debates in acute Toxicology Moderator: Dr. Chuck McKay Dr Naren Gunja		Track B Natural toxins Moderator: Dr. Feride Sinem Akgun Dr. Davide Lonati	
	Topic	Speaker	Topic	Speaker
	Have you heard of EVALI? (20 min)	Dr. Trevon Thompson	Toxic plants in Anatolia (20 min)	Dr. Badria Alhatali
	Beta Blockers in cocaine users presenting with chest pain (20 min)	Dr. Hassan Albelushi	The many faces of botulinum toxin (20 min)	Dr. Avni Uygur Seyhan
	Prognostic evaluation in CO poisoning (20 min)	Dr. Umut Ocak	Ayurvedic medications and associated toxicity (20 min)	Dr. Ashish Bhalla
	Breathe-in, breathe-out: ED visits related to air pollution (20 min)	Dr. Afsin Emre Kayipmaz	Amatoxin poisoning: the problem, the care and the antidote (20 min)	Dr. Yesim Tuncok
	Discussion (10 min)		Discussion (10 min)	
10:00 am – 10:30 am	Break + Poster and Exhibit Visit			
10:30 am – 12:00 pm	Track A Drugs of abuse and withdrawal management Moderator: Dr. Trevon Thompson Dr. Rebecca McDonald		Track B Pediatric toxicology Moderators: Dr. Lisa Moreno Walton Dr. Sahin Aslan	
	Topic	Speaker	Topic	Speaker
	Opioid addiction is a chronic brain disease (20 min)	Dr. Brent Morgan	Are children little adults? (20 min)	Dr. Tharwat El Zahran
	Optimizing the use of naloxone to reverse opioid toxicity (20 min)	Dr. Rebecca McDonald	PK and PD specificities in the child (20 min)	Dr. Leena Amine
	Music festival drugs (20 min)	Dr. Ashraf Kamour	Poison center decision making in pediatric poisonings (20 min)	Dr. RJ Hoffman

DAY 2 & 3

	Management of alcohol withdrawal (20 min)	Dr. Elie Harmouche	Pediatrician exposure to e-liquid (20 min)	Dr. Rana Jaffer
	Discussion (10 min)		Discussion (10 min)	
12:00 pm – 1:30 pm	Prayer and Lunch Poster and Exhibit Visit			
1:30 pm - 2: 30 pm	Oral Research Abstracts Moderators: Dr. Robert J Hoffman - Dr. Aynur Sahin 1:30-1:35 – Dr. Robert J Hoffman - Pharmacist-led Management of Home Poisonings in Qatar: A Quality Assessment Study 1:35-1:40 – Dr. Rita Farah - Chemical Exposure Surveillance System, Lebanon, 2019 1:40-1:45 – Dr. Robert J Hoffman - Frequency of Poison Center Cases Involving Surgical Issues: One Year Retrospective Review 1:45-1:50 – Dr. Bruno Mégarbane - Acetaminophen poisoning resulting from repeated supratherapeutic ingestion: circumstances and outcome 1:50-1:55 – Dr. Ahmed Alabri - The Utility to Test the Salicylate Level for All Cases of Paracetamol Overdose 1:55-2:00 – Dr. Emine Akıncı Emektar - Evaluation of patients with iron toxicity in emergency department 2:00-2:05 – Dr. Robert J Hoffman - Toxicity Related to Fipronil Exposures in Qatar: A Retrospective Review 2:05-2:10 – Dr. Abdullah Almatrouk - A Snapshot on Narcotic Drugs and Psychoactive Substances in Kuwait: qualitative analysis of illicit drugs seized, consumed and associated with deaths in Kuwait from 2015 to 2018 2:10-2:15 – Dr. Ismail Afandiyev - Hospital Mortality Due to Acute Poisoning in Azerbaijan 2:15-2:20 – Dr. Sinan Pasli - Investigation of the therapeutic effect of silibinin in experimental corrosive esophageal burn model 2:20-2:25 – Dr. Sinan Pasli - An Examination of the Protective Effect of Ethyl Pyruvate and N-Acetyl Cysteine in an Experimental Corrosive Esophageal Burn Model In Rats 2:25-2:30 – Dr. Sinan Pasli - The effect of resveratrol on ischemic tissue injury in experimental carbon monoxide poisoning			
2:30 pm – 2:45 pm	Break			

DAY 2 & 3

2:45 pm – 4:00 pm	Track A The golden hour management in the ED Moderator: Dr. Yunsur Cevik Dr. Rittirak Othong		Track B Understanding mechanisms of toxicity Moderator: Dr. Mehmet Gul Dr. Kai Kehe	
	Topic	Speaker	Topic	Speaker
	Carbon monoxide poisoning (10 min)	Dr. Eren Gokdag	Tramadol-induced seizures in overdose (10 min)	Dr. Bruno Mégarbane
	Caustic ingestion (10 min)	Dr. Betul Basaran	Neuroleptic malignant syndrome (10 min)	Dr. Gurkan Ersoy
	Colchicine poisoning (10 min)	Dr. Azzurra Schicchi	Have you heard of Slang-Nut? (10 min)	Dr. Pakhawadee Palungwachira
	Methemoglobin-forming agent poisoning (10 min)	Dr Galal Alessai	Potential Paraquat Poisoning: How do I handle this consult? (10 min)	Dr. Khalid Alaufi
	Aluminum phosphide poisoning (10 min)	Dr. Waleed Awad	Laundry detergent pods: Great for laundry but not so great for kids! (10 min)	Dr. Abdullatif Aloumi
	Methanol poisoning (10 min)	Dr. Sinan Genç	Novel Understanding of Mechanisms of Toxicity of Arsenicals Like Lewisite (10 min)	Dr. Ziad Kazzi
	Discussion (15 min)		Discussion (15 min)	
4:00 pm – 4:30 pm	Break + Poster and Exhibit Visit			
4:30 pm – 6:00pm	Track A Management issues in Toxicology Moderator: Dr. Burak Katipoglu Dr. Tharwat El Zahran		Track B Poisonings from animal toxins Moderator: Dr. Ashraf Kamour Dr. Praveen Aggarwal	
	Topic	Speaker	Topic	Speaker
	Diagnosis and management of drug-induced QT prolongation (20 min)	Dr. Rittirak Othong	Ciguatera poisoning (20 min)	Dr. Davide Lonati
	Diagnosis and management of drug-induced rhabdomyolysis (20 min)	Dr. Sevilay Vural	Marine envenomation from the Great Big Blue (20 min)	Dr. Muhammad Al Jummaan

DAY 2 & 3

	The new NAC regimens in acetaminophen poisoning (20 min)	Dr Naren Gunja	MENA Scorpion envenomation (20 min)	Dr. Mazda Shirazi
	Management of botulism outbreak: are we ready? (20 min)	Dr. Mohammed Alhajri	Spider envenomation in the MENA region (20 min)	Dr. Ehab Aki
	Discussion (10 min)		Discussion (10 min)	
6:00 pm – 6:30 pm	Closing Ceremony and Winner of Best Oral Presentation and Best Poster Presentation Speaker Appreciation			

DAY 2 & 3

Outbreak Investigation Workshop

Background:

The workshop will take participants through a real outbreak related to chemical contamination of food. We will go over the development of a case definition, clinical toxidrome assessment, a surveillance tool, laboratory confirmation, an exposure questionnaire and a case control studies. We will also go over communication of risk to the public and publication of the results of the investigation.

Objectives:

1. Prepare for field work
2. Establish the existence of an outbreak
3. Verify the diagnosis
4. Construct a working case definition
5. Find cases systematically and record information
6. Perform descriptive epidemiology
7. Develop hypotheses
8. Evaluate hypotheses epidemiologically
9. As necessary, reconsider, refine, and re-evaluate hypotheses
10. Compare and reconcile with laboratory and/or environmental studies
11. Implement control and prevention measures
12. Initiate or maintain surveillance
13. Communicate findings

DAY 2 & 3

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Agenda:

Time	Topic	Speaker
08:00 – 08:30	Welcome, Introductions to the course and objectives Divide class into 3 groups that will each handle one outbreak scenario Brief Presentation of 3 Outbreaks	Dr. Ziad Kazzi
08:30 – 08:50	Introduction to Investigating an Outbreak: What is an outbreak and when do you investigate, what is an event?	Mr. Nabil Ahmed
08:50 – 09:30	Group Assignments: Create your case definition Set up case identification and propose a surveillance System	Mr. Nabil Ahmed Dr. Ziad Kazzi Dr. Badria Alhatali
09:30 – 10:00	Introduction to Surveillance Data collection	Mr. Nabil Ahmed
10:00 - 10:20	Break	
10:20 – 10:50	Descriptive epidemiology Case-Control Studies	Dr. Souheil Saadat Dr. Shahram Lotfipour
10:50 – 11:10	Confirmation of cases Resources in the region	TBD
11:10 – 11:40	Communicate an update about your findings	Individual groups spokespeople
11:40 – 12:00	Communicating with the Public: Lessons learned from outbreaks in the EMRO region	Dr. Ziad Kazzi Dr. Badria Alhatali

Faculty:

- Ziad Kazzi, MD, FACMT
- Sohail Saadat, PHD
- Shahram Lotfipour, MD
- Nabil Ahmed, MPH
- Badria Alhatali, MBBS, FACMT

DAY 4

Recognition & Initial Management of an Illness Cluster (RIMIC)

February 22, 2020

Background: Emergency providers and first responders are not familiar with the assessment and management of patients injured by or exposed to a chemical, biological or radiological agents. Although these incidents are relatively infrequent, they can have disastrous consequences and pose serious challenges to the healthcare system and clinical providers. In order to mount an effective response while maintaining provider safety, basic principles should be followed. These principles include appreciation of important agent-event-victim characteristics, toxidrome recognition and management, and proper use of personal protective equipment (PPE) and performance of decontamination when necessary.

Objectives:

- 1- Discuss properties of chemicals, radioactive materials and biological agents that determine the clinical hazard
- 2- Recognize major chemical, biological and radiological syndromes
- 3- Initiate management of patients with major syndromes
- 4- Don level C PPE
- 5- Receive and manage a patient contaminated with chemicals or radioactive materials
- 6- Receive and decontaminate a patient contaminated with radioactive materials

Description:

The course content is based on the core principle of recognizing potential chemical, biological, and radiological injuries when assessing an undifferentiated patient or cluster of illness. The didactic component approached these hazards and illnesses based on the major organs systems with clinical manifestations (skin, respiratory tract, GI tract and central nervous system). The practical session introduce important principles of emergency department preparedness such as the Emergency Treatment Area, use of personal protective equipment, reception of a patient contaminated with chemicals or radioactive materials, radiation contamination survey and decontamination.

Course Faculty:

Dr. Ibtihal Alattas

Consultant, Emergency Medicine and EMS
Deputy Supervisor, EMS Unit
King Abdul Aziz University Hospital
Jeddah, Kingdom of Saudi Arabia

DAY 4

Dr. Badria Alhatali

Emergency Medicine and Medical Toxicology Consultant, Royal Hospital
Director, Oman Poison Center
Muscat, Oman
Treasurer, MENATOX

Dr. Anwar Al-Awadhi

Disaster Medicine and Emergency Medicine Consultant
Chair, Emergency Medicine Department, Mubarak Al-Kabeer Hospital
Kuwait City, Kuwait

Dr. Mohammed Almalki

Emergency Medicine and Medical Toxicology Consultant
Riyadh, Saudi Arabia
Board Member, MENATOX

Mr. Mark E. Chambers CHEP, CHEC-II, NREMT-P(ret.)

Executive Vice President of MENA Operations
General Manager
Response Systems International Ltd.
Abu Dhabi, UAE

Mr. Tim Conley, EMT-P

Response Systems International Ltd.
Abu Dhabi, UAE

Dr. Hussien Hamody

Director, Baghdad Poison Center
Baghdad, Iraq

Dr. Robert J Hoffman

Pediatric Emergency Medicine and Medical Toxicology Consultant
SIDRA Medical Center
Director, Qatar Poison Center

Dr. Ziad Kazzi, FACMT, FACEP, FAAEM, FAACT

Associate Professor of Emergency Medicine and Medical Toxicology, Emory University
Adjunct Associate Professor of Emergency Medicine, American University of Beirut
President, MENATOX
Board Member, American College of Medical Toxicology

DAY 4

Dr. Bruno Megarbane

Professor at Paris-Diderot University

Head of the Department of Medical and Toxicological Critical Care in Lariboisière University Hospital, Paris, France

Board Member, MENATOX

Dr. Brent Morgan, FACMT, FAAEM, FACEP

Professor and Vice-Chair of Emergency Medicine

Medical Toxicology Residency Program Director

Emory University

Associate Medical Director, Georgia Poison Center

Dr. Charles McKay, FACMT

Associate Professor of Emergency Medicine

University of Connecticut

Past President, American College of Medical Toxicology

Dr. Alaa Muhsin

Emergency Physician

Royal Hospital, Muscat, Oman

Dr. Andrew Nelson

Sandia National Laboratory

Dr. Paul Wax, FACMT

Professor Emergency Medicine

University of Texas-Southwestern

Executive Director, American College of Medical Toxicology

DAY 4

Agenda:

Time	Topic	Speaker
08:00 - 08:30	Registration and Breakfast	
08:30 - 09:00	Basic but Key Principles	Dr. Ziad Kazzi
09:00 - 09:45	Clusters with Gastrointestinal Complaints	Dr. Brent Morgan
09:45 - 10:15	Break	
10:15 - 11:00	Clusters with Skin Complaints	Dr. Ziad Kazzi
11:00 - 11:45	Clusters with Respiratory Complaints	Dr. Charles McKay
11:45 - 12:45	Lunch	
12:45 - 1:30	Clusters with Neurological Complaints	Dr. Paul Wax
1:30 - 2:15	Special Topics <ul style="list-style-type: none"> - Ricin - Children are Not Little Adults - Paralytic Syndrome 	<ul style="list-style-type: none"> - Dr. Bruno Megarbane - Dr. RJ Hoffman - Dr. Badria Alhatali
2:15 - 3:00	Security Principles: Biological-Chemical-Radiological Hazards	Dr. Andrew Nelson
3:00 - 3:30	Break	
3:30 - 5:30	1- Hospital Reception of Chemical Emergency Victims 2- Biological Incident Modifiers 3- PPE Demo 4- Scenario-Based Discussion	1- Dr. Anwar Al-Awadhi 2- Dr. Ibtihal Alattas 3- Mr. Mark Chambers Mr. Tim Conley 4- Dr. Charles McKay Dr. Paul Wax Dr. Mohammed Almalki
5:30	Adjourn	

DAY 4

Snake Envenomation in the MENA Region February 22nd, 2019

Objectives:

- List the types of snakes in the MENA region
- Understand the antivenom mechanism of action
- Understand the concept of snake envenomation management
- Recognize challenges in managing certain envenomation cases
- Discuss guidelines for the MENA region

Agenda:

Agenda:			
Time	Title	Speaker	Moderator
08-20-08:30	Welcome Note: Introduction; MENATOX Envenomation Database and Taskforce	Bruno Mégarbane	Dr. Bruno Mégarbane
8:30 – 9:10	MENA Snakes, Clinical Implications	Dr. Ashraf Kamour	
9:10 – 0940	Principles of Snake Envenomation Management	Dr. Ashish Bhalla	
0940-10:00	Antivenom: What Should the Clinician Know?	Dr. Paul Wax	
10:00 – 10:30	Coffee break		
10:30 – 11:00	Rapid Fire Session <ul style="list-style-type: none">• Coagulopathy: What Test to Trust? (10 min)• First Aid Concepts and Controversies? (10 min)• Antivenom Stockpile Project in Thailand (10 min)	Dr. Mazda Shirazi Dr. Tharwat El-Zahran Dr. Rittirak Othong	Badria Al Hatali
11:00-11:30	Pros and Cons Debate: Pre-medication Prior to Antivenom Administration? What is the Verdict?	Dr. Mohammed Aljumaan Dr. Mohamed Almalki	
11:30 –11:45	• Lessons from <i>Bothrops lanceolatus</i> Story	Dr. Bruno Mégarbane	
11:45 - 12:30	Cases for Discussion	All participants	
Lunch Break	MENATOX envenomation working group 1st meeting (By invitation only) Agenda: 1- Envenomation database for the region 2- Developing guidelines and protocols 3- Developing educational materials and activities 4- Collaboration matrices with other bodies and agencies		