Joint American-Israeli Medical Toxicology Conference
American College of Medical Toxicology and the Israel Society of Toxicology
Rambam Medical Center, Haifa, Israel
April 23-25, 2013

Tuesday, April 23, 2013

8:30 – 9:00  REGISTRATION

9:00 – 9:10  OPENING REMARKS
Rafael Beyar, MD, DSc, MPH; Director, Rambam Health Care Campus, Haifa, Israel
Paul M. Wax, MD, FACMT; Executive Director, American College of Medical Toxicology, Phoenix, AZ, USA
Yedidia Bentur, MD; Director, Israel Poison Information Center, Rambam Medical Center, Haifa, Israel

ENVIRONMENTAL AND OCCUPATIONAL TOXICOLOGY  
9:10 – 09:40  Environmental Toxicology – the Role of Environmental Bioavailability
Avi Wiener; Rambam Medical Center, Haifa, Israel

9:40 – 10:10  Pharmaceutical Compounds in Soils Irrigated with Reclaimed Wastewater: Fate in the Agro-Environment
Yehoshua Maoz; The Hebrew University Center of Excellence in Agriculture and Environmental Health, Jerusalem, Israel

10:10 – 10:40  The Use of Biological Samples to Biomonitor Nano Ranged Particulate Matter
Elizabeth Fireman; Tel Aviv Medical Center, Tel Aviv University, Israel

10:40 – 11:00  BREAK

11:00 – 11:20  Assessing Toxicity of Power Plant Emissions
Eric D. Amster; Rambam Medical Center and Haifa University, Haifa, Israel; Harvard School of Public Health, Boston, MA, USA

11:20 - 11:40  Attention Deficit Disorder in Schoolchildren – Second Generation of Exposure to Organophosphorous Drifts
Amit Ophir, Isabella Karakis, Elihu D. Richter, Uri Wormser, Michael Aschner, Elyakim Doitsch, Yoram Finkelstein; Shaare Zedek Medical Center, Hebrew University of Jerusalem, Ministry of Health, Israel, Vanderbilt University Medical Center, Nashville, TN, USA

11:40 – 12:00  Liver Damage Among Disinfestation Workers – a Small Cohort Follow Up Study
Lilah Rinsky-Halivni, Svetlana Polak, Miriam Klebanov; Occupational Clinic, Clalit Health Service, Hebrew University of Jerusalem, Israel

12:00 – 12:20  Occupational Exposure of Laboratory Workers to Drugs of Abuse: Evaluation of Extent of Exposure and Clinical Consequences
Yedidia Bentur, Lea Bentur, Michal Rotenberg, Maya Tepperberg, Ronit Leiba, Ehud (Udi) Wolf; Rambam Medical Center, Technion, Haifa, Sheba Medical Center, Tel Hashomer, Analytic Laboratory, Division of Identification & Forensic Sciences, Israel Police, Jerusalem; Israel

12:20 – 13:20  LUNCH

Lewis Nelson; New York University School of Medicine, New York, NY, USA

13:50 – 14:10  The Second Step Towards Generic Drugs Legislation: Cannabinoids
Ehud (Udi) Wolf; Division of Identification and Forensic Science, Israel Police Headquarters, Jerusalem, Israel

14:10 – 14:30  Medical Treatment of Body Packers in Israel – Does it Reflect Textbook Recommendations?
Noa Markovits, Ronen Loebstein, Daniel Kurnik; Sheba Medical Center, Tel Hashomer, Tel Aviv University, Israel

14:30 – 14:50  BREAK

14:50 – 15:10  ILLICIT AND LICIT DRUGS OF ABUSE  
moderators: Heather Long (USA), Yoram Finkelstein (Israel)
The New Opium Wars: Prescription Opioid Misuse Goes Global
Lewis Nelson; New York University School of Medicine, New York, NY, USA

15:10 – 15:30  Dapsone Toxicity and a Question of Venous Thromboprophylaxis
George Braithberg; Department of Emergency Medicine, Southern Clinical School and Monash University, Melbourne, Australia

15:30 – 15:50  Sibutramin Marketed as Natural Dietary Drug in Israel
Yael Lurie, Asher Gopher, Estee Schallmacher, Mickey Arieli, Michal Rotenberg, Yedidia Bentur; Rambam Medical Center, Haifa, Sheba Medical Center, Tel Hashomer, Division of Enforcement and Inspection Ministry of Health, Ministry of Health, Israel
Wednesday, April 24, 2013

08:30 – 09:00  REGISTRATION

09:00 – 09:20  CLINICAL ASPECTS OF CHEMICAL WARFARE AGENTS moderators: Paul Wax, MD (USA), Arik Eisenkraft, MD (Israel)
Organophosphate Induced Epileptogenesis – Effect of Early Benzodiazepine Treatment
Erez Ramaty, Yoav Bizgal, Shai Shrot, Liran Statlander, Guy Bar-Klein, Igor Makarovsky, Ophir Lavon, Alon Fridman, Yoel Yaari; CBRN Branch, Medical Corps, IDF; Ben-Gurion University, Beer Sheba; The Hebrew University of Jerusalem, Jerusalem; Israel

09:20 – 09:40  Early in-vivo MR Spectroscopy Findings in Organophosphate-Induced Brain Damage – Potential Biomarkers for Short Term Survival
Shai Shrot, Debbie Anaby, Amir Kriovy, Igor Makarovsky, Yossi Rosman, Eugenia Bloch-Shilderman, Shlomi Lazar, Amnon Bar-shir, Yoram Cohen; CBRN Branch, Medical Corps, IDF; Sheba Medical Center, Tel-Hashomer; Tel-Aviv University; Israel Institute for Biological Research, Ness-Ziona; Israel

09:40 – 10:10  Potential Utility of Plasma Butylcholinesterase (BuChE) and RBC Acetylcholinesterase (AChE) Determinations as Rule-Out Testing in the Setting of Nerve Agent or Organophosphate Mass Exposure
Charles A. McKay, Katherine Hart, John McDonagh; University of Connecticut School of Medicine, Hartford/Farmington, CT, USA

10:10 – 10:30  BREAK

10:30 – 10:50  Sex-Butyl-Propyl-Acetamide (SPD) as a Novel Derivate of VPA Amide Suppresses Status Epilepticus Following Organophosphorous Poisoning
Meir Bialer, Yechiel Habary, Liran Statlander, Guy Bar Klein, Arik Eisenkraft, Naama Hen, Tawfeeq Sekh-Ahmad, James P. Stables, John H McDonough, Alon Friedman; The Hebrew University of Jerusalem, Jerusalem, Israel Ministry of Defense, Israel; Medical Corps, IDF; Ben-Gurion University, Beer-Sheba, Israel; National Institute of Health, Bethesda, MD, USA; US Army Medical Research Institute of Chemical Defense, Aberdeen Proving Ground, MD, USA

10:50 – 11:10  The Role of Glutamate and the Immune System in Organophosphate-Induced CNS Damage
Arik Eisenkraft, Avshalom Falk, Arseny Finkelstein; NBC Protection Division, Israel Ministry of Defense; Medical Corps Headquarters, IDF; Weizmann Institute of Science, Rehovot; Israel

11:10 – 11:30  Beneficial Assessment of a Combined Tropicamide and Various Oxime Treatments Against Miosis and Visual Dysfunction Following Ocular Exposure to the Highly Toxic Nerve Agent Sarin
Ariel Gore; Israel Institute for Biological Research Ness-Ziona Israel

11:30 – 12:30  LUNCH

12:30 – 12:50  PLATFORM SESSION I moderators: Lewis Nelson, MD (USA), Daniel Kurnik, MD (Israel)
Southern Health Toxicology Service, a view from “Down Under”
Andis Graudonis, Rose Chapman, George Braithwa; Department of Emergency Medicine, Southern Clinical School and Monash University, Melbourne, Australia

12:50 – 13:10  The Effect of Hyperbaric Oxygen Therapy on Amphotericin B Induced Acute Renal Failure in Rats
Hadar Nir, Matitiahu Berkovitch, Ilan Youngster, Michael Goldman, Rony Braunstein, Eran Kozier, Ibrahim Abu-Kishk; Assaf Harofe Medical Center, Zerifin, Sackler School of Medicine, Tel-Aviv University, Tel-Aviv, Israel

13:10 – 13:30  The Effect of Hyperbaric Oxygen Therapy on Renal Failure Induced by Vancomycin in Rats
Itai M. Sabler, Matitiahu Berkovitch, Eran Kozier, Zahi Dagan, Michael Goldman, Ibrahim Abu-Kishk; Assaf Harofeh Medical Center, Zerifin, Tel-Aviv University, Tel-Aviv, Israel

13:30 – 13:50  Friends and Family: a Pilot Program to Reduce Morbidity and Mortality from Opiate/Opioid Overdose via a Novel Emergency Department-Based Naloxone Distribution System
Heather Long; Department of Emergency Medicine, St. Peter’s Hospital, Albany, NY, USA

13:50 – 14:10  Evaluation of Buprenorphine Exposures in Children and Nonmedical Use in Adults
Wendy Klein-Schwartz; Maryland Poison Center, University of Maryland School of Pharmacy, Baltimore, MD, USA

14:10 – 14:30  BREAK

14:30 – 14:50  KEYNOTE LECTURES moderators: George Braithwa (Australia), Matityahu Berkovitch (Israel)
"Global Toxic Village": Drug Safety and Toxicology Research Using Massive Patient Registries
Yaron Finkelstein; Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada

14:50 – 15:10  The ToxIC Registry - Three Years Experience
Paul Wax; American College of Medical Toxicology, Phoenix, AZ, USA

15:10 – 15:30  Octreotide for the Treatment of Sulfonylurea Poisoning
Miguel Glattstein, Dennis Scolnik, Yedidia Bentor; Dana’s Children Hospital, University of Tel Aviv, Israel; Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada; Rambam Medical Center, Haifa, Israel

15:30 – 15:50  Antioxidant Supplements: A Double Edged Sword?
Gary W. Winston; National Center for Water Quality Research, Heidelberg University, Tiffin, OH, USA
Thursday, April 25, 2013

08:00 – 14:00  CHEMICAL WARFARE AGENT DRILL, WESTERN GALILEE HOSPITAL IN NAHARIYA
Overseas participants are invited to observe the drill.
Transportation will leave the Dan Panorama Hotel at 08:00.