



1 Detailed Scientific Programme



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Pre-Congress Symposium

09:00-17:00 CONTINUING EDUCATION IN CLINICAL TOXICOLOGY - Toxicity mediated by metabolic pathway: from pathophysiology to management

Session Chair: RH Thanacoody, F Eyer

09:00-09:30 Toxicokinetics of Vitamin K Antagonists in Overdose: Optimizing Vitamin K Therapy

Martin Caravati, University of Utah School of Medicine, Salt Lake City, USA

At the end of this session the audience should be able to:

- Compare the differences between warfarin and superwarfarin toxicokinetics
- Describe the pharmacokinetics of Vitamin K and how it affects therapy

09:30-10:00 New oral anticoagulant overdose: laboratory investigations and new antidotes

Ismail Elalamy, TENON Hospital, Paris, France

At the end of this session the audience should be able to:

- Describe the mechanism of action of these antidotes
- Use the algorithm for patient management in acute situations requiring such neutralization

10:00-10:30 Thyroxine: when do we need to assess an overdose?

Yedidia Bentur, Israel Poison Information Center, Rambam Health Care Campus, Haifa, Israel

At the end of this session the audience should be able to:

- Discuss the pharmacokinetics and mechanism of toxicity of thyroxine
- Perform risk assessment of thyroxine overdose

10:30-11:00 Coffee break

Session Chair: S Gosselin, C Locatelli

11:00-11:30 Methotrexate: Is acute oral overdose ever a concern?

Betty Chan, Prince of Wales Hospital, Sydney, Australia

At the end of this session the audience should be able to:

- Describe the pharmacokinetics of acute methotrexate ingestion
- Explain the toxicity of acute methotrexate overdose

11:30-12:00 **Methotrexate poisoning: the role of glucarpidase**
Silas Smith, NYU School of Medicine, New York, USA

At the end of this session the audience should be able to:

- *List the indications for glucarpidase use in methotrexate poisoning*
- *Explain glucarpidase interactions with leucovorin*

12:00-12:30 **Valproate overdose: what is the role of carnitine?**
Ruben H Thanacoody, Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, UK

At the end of this session the audience should be able to:

- *Discuss the mechanism by which valproate overdose causes relative carnitine deficiency*
- *Evaluate currently available evidence for use of L-carnitine following acute valproate overdose*

12:30-13:30 *Lunch – Praga Room*

Session Chair: M Wilks, H Kupferschmidt

13:30-14:00 **Drug-induced hyperammonemia**
Florian Eyer, Klinikum rechts der Isar, Technical University of Munich, Munich, Germany

At the end of this session the audience should be able to:

- *Recognise that drugs affecting the urea cycle disorders may cause drug-induced hyperammonemia*
- *Recognise that valproate is a typical drug that may cause hyperammonemia, even at therapeutic concentrations*

14:00-14:30 **Mitochondrial toxicity in antiretroviral therapy**
Andrew Stolbach, Johns Hopkins University, Baltimore, USA

At the end of this session the audience should be able to:

- *Recognise the signs and symptoms of mitochondrial toxicity*
- *Describe the mechanisms of mitochondrial toxicity in HIV therapy*

14:30-15:00 **Drug-induced non lactic endogenous acidosis**
Stephen W Borron, Texas Tech University Health Sciences Center, El Paso, USA

At the end of this session the audience should be able to:

- *Identify two endogenously-produced acids potentially leading to end-organ damage*
- *Explain the advantages of strong ion gap over anion gap methodologies for acid-base analysis*

15:00-15:30 *Coffee break*

INTERACTIVE CASES**Session Chair: A Manini, Charles McKay**

15:30-16:00

CASE 1:

Isoniazid overdose: how to treat toxic seizures – Interactive case study*Naren Gunja, Western Sydney Toxicology Service, Sydney, Australia**At the end of this session the audience should be able to:*

- *Recognise a differential diagnosis for drug-induced seizures and their pathophysiology*
- *Discuss management options for toxic and isoniazid-induced seizures*

16:00-16:30

CASE 2:

Acquired methaemoglobinaemia: What to do if methylene blue fails – Interactive case study*Sally Bradberry, West Midlands Poisons Unit, Sandwell and West Birmingham Hospitals NHS Trust, Birmingham, UK**At the end of this session the audience should be able to:*

- *Explain the circumstances in which methylene blue may not reverse methaemoglobinaemia effectively*
- *Explain the potential role of exchange transfusion in the management of acquired methaemoglobinaemia*

16:30-17:00

CASE 3:

Drug-induced hemolysis: transfusion management – Interactive case study*Kurt Anseeuw, Emergency Department, ZNA Stuivenberg, Antwerp, Belgium**At the end of this session the audience should be able to:*

- *Describe the different pathophysiological pathways of drug-induced hemolytic anemia*
- *Describe the different therapeutic options in drug-induced hemolysis*



Main Congress

OPENING PLENARY LECTURE FOLLOWED BY HOUSEHOLD PRODUCT SAFETY**Session Chair: Karen Simone, Alexander Campbell**

08:30–08:35	Welcome and opening	Alexander Campbell <i>President, EAPCCT</i>
08:35-09:20	AMERICA'S SUCCESSFUL POISON CONTROL NETWORK: THOUGHTS FOR A EUROPEAN STRATEGY <i>Hon. David Karnes, Washington, USA</i>	<p><i>At the end of this session the audience should be able to:</i></p> <ul style="list-style-type: none"> - <i>Explain the US poison control network model & its unique federal-state/public-private partnership</i> - <i>Recognize the potential basis, value, assets and opportunity for a European poison control system</i>
09:20-09:40	Harmonisation of the information relating to emergency health response (Poisons Centre article 45 CLP) <i>An Jamers, European Commission, Brussels, Belgium</i>	<p><i>At the end of this session the audience should be able to:</i></p> <ul style="list-style-type: none"> - <i>Recognise the main elements of the new EU harmonized system for the transmission of information on hazardous chemicals to poison centres</i>
09:40-10:00	Harmonisation of information on mixtures under CLP Article 45: an industry perspective <i>Janice Robinson, CEPE, Brussels, Belgium</i>	<p><i>At the end of this session the audience should be able to:</i></p> <ul style="list-style-type: none"> - <i>Recognise the obligations industry will face under harmonised reporting, including numbers of notifications and extent of detail required</i>
10:00-10:45	Coffee and electronic posters E-POSTERS 1 to 12 (detailed at E-Posters tab)	

Symposium: Clinical toxicology of cannabis and cannabinoids

Session Chair: Yedidia Bentur, David Wood

09:20-09:40

Epidemiology of cannabis and cannabinoid use

Maren Hermanns-Clausen, Poisons Information Center, Center for Pediatrics and Adolescent Medicine, Freiburg, Germany

At the end of this session the audience should be able to:

- *Describe essential motivations for synthetic cannabinoid consumption (getting high, legal considerations, other)*
- *Describe differences in prevalence of cannabis and synthetic cannabinoids use*

09:40-10:00

Pharmacology of cannabis and cannabinoids

Jean-Claude Alvarez, Versailles St Quentin University, Garches, France

At the end of this session the audience should be able to:

- *Describe the pharmacokinetic parameters of cannabis and its main metabolites in blood and their mechanism of action*

10:00-10:45

Coffee and electronic posters
E-POSTERS from 1 to 12 (detailed at E-Posters tab)

Symposium: Household product safety – Part 2**Session Chair: Karen Simone, Alexander Campbell**

10:45-11:05 **Poisons centres' case records can increase consumer safety**
Herbert Desel, Federal Institute for Risk Assessment, Berlin, Germany

At the end of this session the audience should be able to:

- *Describe the role of a well-documented poisons centre case record in identification and description of an 'unsafe product'*

11:05-11:25 **New legal requirements for submission of product information to Poisons Centres in EU Member States**
Ronald de Groot, National Poisons Information Center / University Medical Center, Utrecht, The Netherlands

At the end of this session the audience should be able to:

- *Recognise that new legal product information requirements and electronic submission format will harmonise the submission of product information to Poisons Centres in EU Member States*

11:25-11:50 **Open Forum Panel discussion**

Session Chair: Dag Jacobsen, Jose Luis Conejo

11:50-12:05 **How and why are liquid laundry detergent products toxic?**
J Allister Vale, NPIS (Birmingham Unit), City Hospital, Birmingham, UK

At the end of this session the audience should be able to:

- *Describe the mechanisms by which liquid laundry detergent products are toxic*

12:05-12:20 **Referral and treatment guidelines for liquid laundry capsule exposures - a USA view**
William Banner, Oklahoma Center for Poison and Drug Information, Oklahoma, USA

At the end of this session the audience should be able to:

- *Evaluate recommendations for general management of liquid detergent product ingestions based on a review from NPDS data*

12:20-12:30 General discussion

12:30-14:15 Lunch in Florencia Room and posters

Symposium: Clinical toxicology of cannabis and cannabinoids – Part 2**Session Chair: Robert Palmer, Patricia Casey**

- 10:45-11:05 **Acute neuropsychiatric effects of cannabis and cannabinoids**
Robert Hoffman, NYU School of Medicine, New York, USA
- At the end of this session the audience should be able to:*
- Compare and contrast the acute neuropsychiatric effects of tetrahydrocannabinol (THC) with those of synthetic cannabinoid receptor agonists
 - Describe the persistent and long-term psychiatric risks of cannabinoid use
- 11:05-11:25 **The complex interaction between cannabinoids and psychiatric and cognitive effects**
Amir Englund, King's College London, London, UK
- At the end of this session the audience should be able to:*
- Discuss the relationship between different types of cannabis and risk of psychosis
 - Recognise the cognitive effects of frequent cannabis use
- 11:25-11:45 **Cardiovascular effects of cannabis and cannabinoids**
Paul Dargan, Guy's and St Thomas' NHS Foundation Trust, London, UK
- At the end of this session the audience should be able to:*
- Describe the pattern of cardiovascular toxicity associated with cannabis use
- 11:45-12:05 **Cannabis withdrawal syndrome**
Régis Bédry, University Hospital Pellegrin, Bordeaux, France
- At the end of this session the audience should be able to:*
- Recognise and describe the onset of a cannabis withdrawal syndrome
 - Recognise the development of this syndrome and manage hospitalized patients with this condition
- 12:05–12:20 **Acute side effects after consumption of the novel synthetic cannabinoids AB-CHMINACA and MDMB-CHMICA (abstract no. 17)**
Maren Hermanns-Clausen, Poisons Information Center, Center for Pediatrics and Adolescent Medicine, Freiburg, Germany*
- At the end of this session the audience should be able to:*
- Identify acute adverse effects of the valine derivatives AB-CHMINACA and MDMB-CHMICA, which represent a new class of synthetic cannabinoids
- 12:20–12:30 General discussion
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- 12:30–14:15 Lunch in Florencia Room and posters
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*Shortlisted for Taylor & Francis best scientific presentation award

Symposium: Household product safety – Part 3**Session Chair: John Thompson, Herbert Desel**

- 14:15-14:35 **The A.I.S.E. accidentology study on liquid detergent capsule exposures**
Geert Boeije, Boeije Consulting, Sint-Martens-Latem, Belgium
At the end of this session the audience should be able to:
- Evaluate the circumstances and possible driving factors for accidental exposures with liquid detergent capsules
- 14:35–14:50 **Surveillance of pediatric exposure to laundry detergents: Comparison between cases exposed to liquid capsules and traditional products (abstract no. 13)**
Laura Settimi, Istituto Superiore di Sanità, Rome, Italy*
At the end of this session the audience should be able to:
- Define epidemiological surveillance
 - Define the main objectives of epidemiological surveillance of cases handled by poison control centres
- 14:50–15:05 **Acute and chronic oesophageal injury following caustic ingestions in a 25 year cohort (abstract no. 14)**
Tim Cowan, Hunter New England Local Health District, Newcastle, Australia*
At the end of this session the audience should be able to:
- Recognise the incidence of and risk factors for oesophageal injury in caustic ingestion
- 15:05–15:20 **A review of the toxicity of picaridin-containing insect repellents reported to the National Poison Data System (abstract no. 15)**
Jennifer Parker Cote, University of Virginia, Charlottesville, USA
At the end of this session the audience should be able to:
- Evaluate whether exposure to insect repellents is associated with significant toxicity
- 15:20–15:35 **Single dose activated charcoal (AC): Application by medical non professionals - a prospective single centre study on availability and quality of administration (abstract no. 16)**
Rudolf Pfab, Klinikum rechts der Isar, Technical University of Munich, Munich, Germany
At the end of this session the audience should be able to:
- Demonstrate the need to promote the storage of activated charcoal in locations where accidental toxin ingestions are likely to occur such as households, schools, kindergarten, psychiatric wards, etc.
- 15:35-15:40 General discussion
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- 15:40-16:10 Coffee and electronic posters
 E-POSTERS from 18 to 25 (detailed at E-Posters tab)
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*Shortlisted for Taylor & Francis best scientific presentation award

Best paper session**Session Chair: Philippe Hantson, Martin Wilks**

14:15-15:40

Best paper session

An international panel have each been asked to select a clinical toxicology paper published in the year 2015 that they consider to be among the best. The aim is to highlight papers that have changed or challenged clinical practice, taught something new or unexpected, improved understanding of toxicological mechanisms, or inspired the panellists. The speakers will defend their choice in a brief 10 minute presentation followed by discussion.

Discussants:Robin Ferner**Idarucizumab for dabigatran reversal**

Pollack CV Jr, Reilly PA, Eikelboom J, et al.
N Engl J Med. 2015 Aug 6;373(6):511-20

Andexanet alfa for the reversal of factor Xa inhibitor activity

Siegel DM, Curnutte JT, Connolly SJ, et al.
N Engl J Med. 2015 Dec 17;373(25):2413-24

Andis Graudins**The safety and effectiveness of droperidol for sedation of acute behavioral disturbance in the emergency department**

Calver L, Page CB, Downes MA, et al.
Ann Emerg Med. 2015 Sep;66(3):230-238

A randomized trial of icatibant in ACE-inhibitor-induced angioedema

Baş M, Greve J, Stelter K, et al.
N Engl J Med. 2015 Jan 29;372(5):418-25

Sergej Zacharov**Metabolic methanol: molecular pathways and physiological roles**

Dorokhov YL, Shindyapina AV, Sheshukova EV, et al.
Physiol Rev. 2015 Apr;95(2):603-44

Age-related formaldehyde interferes with DNA methyltransferase function, causing memory loss in Alzheimer's disease

Tong Z, Han C, Qiang M, et al.
Neurobiol Aging. 2015 Jan;36(1):100-10

NB CME accreditation has not been requested for this session

15:40-16:10

Coffee and electronic posters
E-POSTERS 18 to 25 (detailed at E-Posters tab)

Session Chair: Gudborg Gudjonsdottir, Salomé Ballesteros

16:10-17:30

Poster discussion session

26. Pattern of acute toxicity related to the use of the novel psychoactive substance methedrone (4-methoxymethcathinone, 4-MeOMC)

David M. Wood, Alison M. Dines, Christopher Yates, Fridtjof Heyerdahl, Isabelle Giraudon, Roumen Sedefov, Knut Erik Hovda, Euro-Den Research Group and Paul I. Dargan

27. Self-reported use matched with oral fluid analysis of recreational drug use in a South London nightclub

Natalie Thurtle, Allan Traynor, Rachelle Abouchedid, John R.H. Archer, Takahiro Yamamoto, David M. Wood and Paul I. Dargan

28. Outpatient treatment of acute poisoning by substances of abuse: A 1-year prospective observational study

Odd Martin Vallersnes, Dag Jacobsen, Øivind Ekeberg and Mette Brekke

30. Increase in unintentional pediatric exposures in a recreational marijuana state

George Wang, Marie-Claire Lelait, Sara Deakyne, Alvin Bronstein, Lalit Bajaj and Genie Roosevelt

31. ADB-Fubinaca in the real world: A case series of 15 poisonings

Csaba Pap

32. Specific issues in acute cannabis poisoning in adolescents

Viorela Nitescu, Dora Boghitoiu, Alexandru Ulmeanu, Alina Antohe, Andreea Fulgeanu and Coriolan Ulmeanu

33. Novel psychoactive substance (NPS) consumption in binge drinkers: A new and potentially dangerous health risk

Marta Crevani, Francesca Chiara, Pietro Papa, Elisa Roda, Davide Lonati, Andrea Giampreti and Carlo A. Locatelli

34. Prospective cohort study to determine low risk acute ethanol intoxications risk factors

Christopher Yates, Jordi Puiguriguer, Catalina Homar and Guillermo Frontera

35. Toxicity following recreational use of synthetic cannabinoid receptor agonists and the impact of legal control measures: A report from the UK's National Poisons Information Service

Javad Najafi, Jenni Waugh, Leonard Hawkins, Simon L. Hill, Michael Eddleston, J. Allister Vale, John P. Thompson and Simon H. L. Thomas

36. Trends in oral anticoagulant enquiries to the UK National Poisons Information Service: A retrospective 5 year review

Sian C. D. Harbon, John P. Thompson, J. Allister Vale, Michael Eddleston, Simon H. L. Thomas and James M. Coulson

Symposium: E-cigarettes: the good, the bad and the ugly**Session Chair: Irma de Vries, Martin Wilks****16:10-16:30 Background on use of e-cigarettes - what is the current picture?***Esther A Croes, Trimbos Institute, Utrecht, The Netherlands**At the end of this session the audience should be able to:*

- Summarise trends in e-cigarette use in Europe, motives for use and evidence of effectiveness in smoking cessation

16:30-16:50 Poison centre experience with cases involving e-cigarettes*Lies Scholtens, National Poisons Information Center, University Medical Center, Utrecht, The Netherlands**At the end of this session the audience should be able to:*

- Recognise the various groups of people that are involved in exposure to nicotine containing e-liquid

16:50-17:10 E-cigarettes: are they being used to vape recreational drugs and new psychoactive substances (NPS)?*David Wood, Guy's and St Thomas' NHS Foundation Trust, London, UK**At the end of this session the audience should be able to:*

- List what recreational drugs / NPS are reported to be "vaped" by e-cigarettes
- Describe the prevalence of "vaping" of recreational drugs / NPS by e-cigarettes

17:10-17:30 An integrated assessment approach for candidate Modified Risk Tobacco Products*Manuel Peitsch, Philip Morris International, Neuchatel, Switzerland**At the end of this session the audience should be able to:*

- Describe the risk framework, the approach and the type of studies that constitute an integrated assessment of MRTPs

NB CME accreditation has not been requested for this session**19:30 Welcome Reception at Real Café Bernabeu
Sponsored by: NERIUM SkinCare**

Poster discussion session (continued)

37. AfriTox® TeleLog: The development of a novel web-based data collection tool for poison centre call data in South Africa

Cindy R. Stephen, Selig Leyser, J. Clare Roberts, Farahnaz Mohamed, Kate H. Balme, Linda E. Curling, Carine Marks and Cherylynn Wium

38. Antidotes network: Is it possible to connect stocks between centers?

Edurne Fernandez De Gamarra, Raquel Aguilar, Antoni Broto, Milagros Garcia-Pelaez, Lidia Martinez and Santiago Nogue

39. Extraordinary mobilizations of antidotes from the National Stockpile to hospital emergency departments: An example of versatility and integration of national functions and systems

Eleonora Buscaglia, Valeria M. Petrolini, Virgilio Costanzo, Loredana Vellucci, Olha Maystrova, Giulia Scaravaggi, Emanuela Cortini and Carlo A. Locatelli

40. Profile and risk assessment of household cleaners as evaluated from Emergency Department (ED) cases in the Spanish Toxic Surveillance System (STSS) in the last 5 years

Ana Ferrer Dufol, Roman Royo Hernandez, Clara Serrano Ferrer and Santiago Nogue Xarau

41. Adverse drugs reactions (ADR) collected by medical-staffed ambulances: A pilot study with the SAMU de Paris

Agnès Lillo-Lelouet, Frederic J. Baud, Benoit Vivien and Pierre Carli

NB CME accreditation has not been requested for this session

19:30

Welcome Reception at Real Café Bernabeu

Sponsored by: NERIUM SkinCare

Louis Roche lecture followed by current challenges of opioids**Session Chair: Alexander Campbell, Ana Ferrer-Dufol, Robin Ferner**

09:00-10:00

Neurotoxicity of Mercury: Two Fish Tales

Louis Roche lecture

*Robert Hoffman, NYU School of Medicine, New York, USA**At the end of this session the audience should be able to:*

- *Describe the classic findings of mercury-induced neurotoxicity*
- *Discuss the clinical effects of elevated mercury concentrations following fish consumption*

10:00-10:20

Rethinking the nature of opiate addiction*Anthony Daniels, City Hospital, Birmingham, UK**At the end of this session the audience should be able to:*

- *Criticise the prevailing concept of opiate (and other) addictions*
- *Assess the claims of addicts more realistically*

10:20-10:40

Trends in opioid analgesic abuse and mortality in Europe*Jody Green, Rocky Mountain Poison & Drug Center, Denver, USA**At the end of this session the audience should be able to:*

- *Describe the current landscape of opioid analgesic utilization, abuse and mortality throughout Europe from multiple datasources*

10:40-11:25

Coffee and electronic posters

E-POSTERS: 125; 249; 127 to 132 and 134 to 136 (detailed at E-Posters tab)

Mini symposium: Paracetamol**Session Chair: Geoff Isbister, Alvin Bronstein**

10:00-10:15 **Clinical outcomes and predictive factors in “massive” paracetamol overdose (abstract no. 122)**

Daniel Marks, Guy’s and St Thomas’ Hospital, London, UK*

At the end of this session the audience should be able to:

- *Explain the relationship between the measured plasma paracetamol concentration to nomogram toxic threshold ratio, serum aminotransferase concentration and coagulopathy*

10:15-10:30 **Pharmacokinetic modelling of a high dose acetylcysteine regimen based on the SNAP trial (abstract no. 123)**

Harry Thanacoody, National Poisons Information Service (Newcastle Unit), Newcastle upon Tyne Hospitals NHS Foundation Trust, Newcastle upon Tyne, UK*

At the end of this session the audience should be able to:

- *Identify situations when higher doses of acetylcysteine may be beneficial in patients presenting with paracetamol overdose*
- *Discuss potential modifications to current acetylcysteine regimen to achieve higher total dose*

10:30-10:45 **The standard treatment protocol is inadequate following overdose of extended release paracetamol: A pharmacokinetic and clinical analysis of 53 cases (abstract no. 124)**

Helene Salmonson, Swedish Poisons Information Centre, Stockholm, Sweden*

At the end of this session the audience should be able to:

- *Demonstrate that the paracetamol standard treatment protocol may be inadequate following overdoses with extended release products*

10:45-11:25 Coffee and electronic posters
E-POSTERS: 125; 249; 127 to 132 and 134 to 136 (detailed at E-Posters tab)

*Shortlisted for Taylor & Francis best scientific presentation award

Symposium: Current challenges of opioids – Part 2**Session Chair: Ana Ferrer Dufol, Robin Ferner**

11:25-11:45 **Abuse deterrent formulations of the opioids and their relation to heroin**
Richard Dart, Rocky Mountain Poison & Drug Center, Denver, USA

At the end of this session the audience should be able to:

- *Recognise the progression of opioid use, misuse, abuse and addiction*

11:45-12:05 **Opioid overdose: mechanisms of toxicity and variability of presentation**
Bruno Mégarbane, Paris-Diderot University, Paris, France

At the end of this session the audience should be able to:

- *Discuss the mechanisms of toxicity related to opioids alone or resulting from drug-drug interactions*
- *Evaluate the inter-individual variability of opioid poisoning presentations*

12:05-12:25 **New opioids to limit toxicity: where are we going?**
Steven Ballet, Vrije Universiteit, Brussels, Belgium

At the end of this session the audience should be able to:

- *Explore the subject of opioid peptides*

12:25-12:30 General discussion

12:25-14:15 Lunch in Florencia Room and posters

Session Chair: Daniela Pelclova, Emilio Salgado

11:25-12:30

Poster discussion session**137.** Massive paracetamol overdose: An observational study

Angela L. Chiew, Geoffrey K. Isbister, Colin B. Page and Nicholas A. Buckley

138. A multi-center, retrospective study to evaluate the safety and efficacy of a three-bag acetylcysteine dosing regimen compared to a two-bag acetylcysteine dosing regimen for the treatment of paracetamol overdose: The Danish Intravenous Acetylcysteine Study (DIVAS)

Ditlev Rasmussen, Kim Dalhoff, Richard Dart, Byron Kaelin and Amy Rock

139. Metal-on-metal hip joint prostheses: A retrospective case series investigating association of systemic toxicity with serum cobalt and chromium concentrations

James Ho, Paul Wax, Jerrold B. Leikin, John R. H. Archer, David M. Wood, Paul I. Dargan and Jeffrey Brent

140. Metal release from hip implant: Clinical experience with N-acetylcysteine as potential complexing agent in two cases

Andrea Giampreti, Marta Crevani, Sarah Vecchio, Valeria M. Petrolini, Anna Ronchi and Carlo A. Locatelli

141. Comparison of blood lead levels (BLL) in drug users, individuals under methadone maintenance therapy and healthy individuals

Omid Mehrpour, Atefeh Ghoreishi and Shiva Shabrang

142. Human accidental poisoning in a rural and fishing occupational setting in Italy: A 5 year Poison Control Center study

Sarah Vecchio, Mara Garbi, Andrea Giampreti, Marta Crevani, Giulia Scaravaggi and Carlo A Locatelli

143. Validation of a prediction rule for adverse cardiovascular events from drug overdose

Alex F. Manini, Lynne D. Richardson, David Vlahov and Robert S. Hoffman

144. Antagonizing the errors of history: Bedside experience with flumazenil

Joseph J. Rasimas, Violetta Kivovich, Kamal K. Sachdeva and Joseph Ward Donovan

145. Effectiveness of correction of metabolic acidosis on intermittent versus continuous modes of hemodialysis in acute methanol poisoning

Sergey Zakharov, Olga Nurieva, Katerina Kotikova, Jiri Hlusicka, Tomas Navratil, Jaromir Belacek, Martin Komarc and Daniela Pelclova

146. Outbreak of facio-truncular dystonia in central Africa due to falsified diazepam containing haloperidol

Nicolas Peyraud, Frederic J. Baud, Micaela Serafini and Annette Heinzelmann

147. To what extent does haloperidol-induced facio-truncular dystonic syndrome mimic infectious diseases? The Congo experience

Frederic J. Baud, Nicolas Peyraud, Micaela Serafini and Annette Heinzelmann

NB CME accreditation has not been requested for this session

12:25-14:15

Lunch in Florencia Room and posters

Symposium: Toxic aspects of ammunition**Session Chair: Régis Bédry, Florian Eyer**

14:15-15:00

Depleted uranium and health effects - a radiobiological view*Matthias Port, Institute of Radiobiology of the German Armed Forces, Munich, Germany**At the end of this session the audience should be able to:*

- *Develop a realistic view in regard to radiological threats to inhabitants of areas affected by massive use of weapons containing depleted uranium*
- *Recognise the radiopathological pathways leading to impaired health functions after exposure to depleted uranium*

15:00-15:20

Riot control agents*Frederic Dorandeu, IRBA (French Armed Forces Biomedical Research Institute), Brétigny-sur-Orge, France**At the end of this session the audience should be able to:*

- *Recognise the different riot control agents (RCA) in use, their toxicity, efficacy and the medical management of casualties in case of severe overexposure*

15:20-15:40

Medical aspects on dumped chemical warfare agents*Horst Thiermann, Bundeswehr Institute of Pharmacology and Toxicology, Munich, Germany**At the end of this session the audience should be able to:*

- *Assess signs and symptoms that are correlated with the exposure to dumped munitions and initiate first treatment in case of poisoning*

15:40-16:10

Coffee and electronic posters

E-POSTERS 149 to 156 (detailed at E-Posters tab)

Symposium: Current challenges of opioids – Part 3**Session Chair: Michael Holland, Paul Dargan**

15:00-15:20 **Opioid education programs and nasal naloxone rescue kits**
Arne Skulberg, Norwegian University of Science and Technology NTNU, Trondheim, Norway

At the end of this session the audience should be able to:

- *Assess the current movement towards distribution of naloxone to drug users, and particular concerns regarding nasal naloxone*

15:20-15:35 **Abuse of immediate release opioid analgesics as compared to extended release formulations in the US (abstract no. 148)**
Janetta Iwanicki, Rocky Mountain Poison and Drug Center, Denver, USA

At the end of this session the audience should be able to:

- *Identify which formulation of prescription opioid analgesics is abused most commonly in the US*
- *Describe which formulation of prescription opioid analgesics is prescribed most often in the US*

15:40-16:10 Coffee and electronic posters
E-POSTERS 149 to 156 (detailed at E-Posters tab)

Symposium: Toxic aspects of ammunition – Part 2

Session Chair: Thomas Zilker, Jay Schauben

16:10-16:30

Toxicological aspects of fog/smoke/fumes

Dirk Steinritz, Bundeswehr Institute of Pharmacology and Toxicology, Munich, Germany

At the end of this session the audience should be able to:

- *Describe affected organ systems, the clinical picture and the underlying pathophysiology caused by smoke residues of gun shooting and smoke-grenades*

16:30-16:50

Lead poisoning from intracorporeal bullets

Michael Holland, Upstate New York Poison Center, New York, USA

At the end of this session the audience should be able to:

- *Describe the specific circumstances of intracorporeal bullets that places them at higher risk of causing systemic lead absorption and subsequent poisoning*

17:00-18:30

EAPCCT General Assembly

Pro/con debate: Opioid dependence treatment**Session Chair: Nick Buckley, Peter Hultén**

16:10-16:55 **Debate: Opioid dependence treatment: should substitution therapy be the management of choice?**

Timothy Wiegand (PRO), University of Rochester School of Medicine and Dentistry, Rochester, USA

At the end of this session the audience should be able to:

- *Describe at least 3 positive outcomes associated with medication Assisted Treatment for Opioid Dependence*
- *List the different options available for use in opioid substitution therapy and describe the populations for which they are used*

Karen Simone (CON), Northern New England Poison Center, Portland, USA

At the end of this session the audience should be able to:

- *Discuss the concerns associated with the opioid substitution therapy evidence-base and outcomes*
- *Identify the characteristics of patients and services that predict poor opioid substitution therapy results*

17:00-18:30 **EAPCCT General Assembly (Gran Madrid)**

Young investigator award session

Session Chair: Suzanne White, Mark Zammit

- 08:30-08:35 Introduction
- 08:35-08:50 **Paracetamol-protein adducts following acute paracetamol overdose (abstract no. 237)**
Angela Chiew, Prince of Wales Hospital, Sydney, Australia
- At the end of this session the audience should be able to:*
- *Interpret paracetamol-protein adducts in patients with large acute paracetamol overdoses and/or paracetamol induced acute liver injury*
- 08:50-09:05 **Analytical confirmation of the synthetic cannabinoid receptor agonists (SCRAs) present in a cohort of presentations with acute recreational drug toxicity to an Emergency Department (ED) in London, UK (abstract no. 238)**
Rachelle Abouchedid, Guy's and St Thomas' NHS Foundation Trust, London, UK
- At the end of this session the audience should be able to:*
- *Recognise the prevalence and some clinical features associated with synthetic cannabinoid (please correct the typo I had – it must be cannabinoid, not cannibinoid) receptor agonist use in a cohort of symptomatic patients presenting to an Emergency Department*
- 09:05-09:20 **Hepatotoxicity of novel psychoactive substances structurally related to 3,4-methylenedioxymethamphetamine (MDMA) and methamphetamine (abstract no. 239)**
Dino Luethi, University of Basel, Basel, Switzerland
- At the end of this session the audience should be able to:*
- *Recognize that newly emerged designer drugs that are readily available over the Internet may pose similar risks of liver toxicity as common illegal drugs like MDMA ("ecstasy")*
- 09:20-09:35 ***In vitro* pharmacological profiles of classical psychedelics and novel synthetic hallucinogenic substances and their relevance for clinical toxicology (abstract no. 240)**
Anna Rickli, University of Basel, Basel, Switzerland
- At the end of this session the audience should be able to:*
- *Explore the in vitro pharmacological profiles of classic psychedelics and novel hallucinogenic substances and their relevance for clinical toxicology*
- 09:35 Judging commences

09:35-09:55 **Data base: List and text of all presentations of the EAPCC(T) Congresses 1964-2015**

Thomas Zilker, Munich, Germany

NB CME accreditation has not been requested for this lecture

09:55-10:00 Presentation to the winner of the YIA

10:00-10:45 Coffee and electronic posters
E-POSTERS 242 to 248 and 250 to 252 (detailed at E-Posters tab)

Symposium: Risk communication – detection, assessment, management and communication of risk in mass human toxic exposures

Session Chair: Michael Eddleston, Knut Erik Hovda

10:45-11:05

Chemical warfare scenarios

Jose Luis Lopez-Colon, Ministry of Defence, Madrid, Spain

At the end of this session the audience should be able to:

- Describe the potential use of some chemical warfare agents and their respective risk assessment

11:05-11:25

Detection and minimizing risk in outbreaks by contaminated beverages. The methanol experience

Hossein Hassanian-Moghaddam, Shahid Beheshti University of Medical Sciences, Tehran, Iran

At the end of this session the audience should be able to:

- Prepare a plan for assessment of multiple patients during a chemical incident
- Prepare a plan to prevent emergency department (ED) overcrowding during a chemical incident

11:25-11:45

Risk communication in lead poisoning outbreaks in Nigeria - lessons learnt and suggestions for the future

Natalie Thurtle, St George Hospital, Sydney, Australia

At the end of this session the audience should be able to:

- Discuss the challenges in risk communication in Nigeria
- Evaluate the lessons learned about risk communication during the Nigerian lead poisoning outbreak

11:45-12:05

Environmental contamination by organochlorinated residues: Lindane manufacture residues

Ana Ferrer Dufol, Clinic University Hospital, Zaragoza, Spain

At the end of this session the audience should be able to:

- Recognise the relationship between the hazard produced by a huge environmental contamination by organochlorinated compounds and its toxic risk for human populations

12:05-12:25

Risk communication in mass poisoning situations

Charles McKay, Vice President, ACMT, Malborough, USA

At the end of this session the audience should be able to:

- Prepare a message map with key information applicable to a poisoning crisis

12:25-12:30

General discussion

12:30-14:15

Lunch in Florencia Room and posters

Symposium: Aerotoxic syndrome**Session Chair: Sally Bradberry, Davide Lonati**

- 10:45-11:05 **Aerotoxic Syndrome - Historical, technical and toxicological background**
Axel Hahn, Federal Institute of Risk Assessment, Berlin, Germany
- At the end of this session the audience should be able to:*
- *Name the chemical compound incriminated in causing aerotoxic syndrome*
- 11:05-11:25 **Reported cabin fume events: What did the investigations show?**
Michael Bagshaw, King's College London, London, UK
- At the end of this session the audience should be able to:*
- *Evaluate the results of aircraft cabin air sampling in a range of studies*
- 11:25-11:45 **Is there a toxicological explanation for features following cabin fume events?**
J Allister Vale, NPIS (Birmingham Unit), City Hospital, Birmingham, UK
- At the end of this session the audience should be able to:*
- *Discuss why there is no plausible toxicological explanation for the features reported after cabin fume releases*
- 11:45-12:05 **Bioanalytical methods for monitoring of tricresylphosphate exposure (TCP)**
Harald John, Bundeswehr Institute of Pharmacology and Toxicology, Munich, Germany
- At the end of this session the audience should be able to:*
- *Recognise current bioanalytical protocols targeting mass spectrometric detection of TCP and its biotransformation and reaction products (protein adducts) documenting exposure*
- 12:05-12:25 **Investigating and diagnosing patients who have been exposed to cabin fume events**
Nina Glaser, Federal Institute for Risk Assessment, Berlin, Germany
- At the end of this session the audience should be able to:*
- *Assess the occupational poisoning risk related to cabine fume events*
 - *List the most common symptoms reported in subjects exposed to cabin fumes*
- 12:25-12:30 General discussion
-
- 12:30-14:15 Lunch in Florencia Room and posters
-

Symposium: Advances in critical care of poisoned patients: Imaging and treatment**Session Chair: Bruno Mégarbane, Robert Hoffman**

14:15-15:00 **Lipid rescue to treat acute poisonings: the fundamentals and the future**
Guy Weinberg, University of Illinois and Jesse Brown VA, Chicago, USA

At the end of this session the audience should be able to:

- *Identify the several mechanisms underlying lipid rescue*
- *Differentiate lipid rescue as used for parenteral versus oral overdose*

15:00-15:20 **Lipid emulsions in clinical toxicology: appraisal of the evidence**
Sophie Gosselin, Mc Gill University Health Center, Montréal, Canada

At the end of this session the audience should be able to:

- *Discuss the rationale for the recommendations on the use of lipid emulsions from the Clinical Toxicology Associations International Workgroup*

15:20-15:25 General discussion

15:25-15:45 **MRI investigation of the central nervous system (CNS) following different etiologies of poisoning**

Philippe Hantson, Université catholique de Louvain, Brussels, Belgium

At the end of this session the audience should be able to:

- *Describe the main brain magnetic resonance imaging (MRI) features after exposure to various toxins and discuss their specificities*

15:45-16:15 Coffee and electronic posters
 E-POSTERS 253 to 260 (detailed at E-Posters tab)

Symposium: Risk communication – detection, assessment, management and communication of risk in mass human toxic exposures – Part 2**Session Chair: Stephen Borron, Sergej Zacharov**

15:00-15:45 **Benefits and drawbacks of strict regulation on chemicals (US, EU versus developing countries regulations) / two faces of the same coin**
Michael Eddleston, University of Edinburgh, Edinburgh, UK

At the end of this session the audience should be able to:

- *Recognise the requirement for a needs and risk-based assessment for highly hazardous pesticides*

Peter Smith, European Chemistry Industry Council (Cefic), Brussels, Belgium

At the end of this session the audience should be able to:

- *Reflect on how the strict/over regulation of chemicals can prove burdensome for industry whilst not providing an improvement to public health*

15:45-16:15 Coffee and electronic posters
E-POSTERS from 253 to 260 (detailed at E-Posters tab)

Symposium: Advances in critical care of poisoned patients: Imaging and treatment - Part 2**Session Chair: Lewis Nelson, Chris Yates**

16:15-16:35 **Poisoned patients as potential organ donors. The Spanish experience**
Beatriz Mahillo Durán, Spanish National Transplant Organization, Madrid, Spain

At the end of this session the audience should be able to:

- *Discuss the potential of poisoned patients as organ donors*

16:35-17:20 **Debate: Sedation of agitated poisoned patient - is dexmedetomidine a reasonable first-line to propose?**
Dylan de Lange (PRO), University Medical Center, Utrecht, The Netherlands

At the end of this session the audience should be able to:

- *Recognise that dexmedetomidine is a selective alpha 2-adrenergic receptor agonist which can be used for sedation of agitated patients without causing respiratory depression*

Geoff Isbister (CON), University of Newcastle, Newcastle, Australia

At the end of this session the audience should be able to:

- *Describe the different pharmacological options for sedating aggressive patients*
- *Explore the implications of different settings for sedating patients*

17:20 Close

20:00 **Congress Dinner at Teatro Real (Opera House)**

Symposium: Risk communication – detection, assessment, management and communication of risk in mass human toxic exposures – Part 3

Session Chair: Horst Thiermann, Martin Caravati

16:15-16:35 **Municipal water contamination by perfluoroalkyl substances: Lessons learned**

Alan Woolf, Boston Children's Hospital, Boston, USA

Karen Simone, Northern New England Poison Center, Portland, USA

At the end of this session the audience should be able to:

- *Describe three community-level strategies to consider implementing upon discovery of a PFAS contamination event in municipal drinking water*

16:35-16:50 **Rapid triage of victims of suspected chemical attack using a one page questionnaire for identification of the toxidrome: The experience of Médecins Sans Frontières (MSF) (abstract no. 261)**

Frederic Baud, Doctors without Borders, Paris, France

At the end of this session the audience should be able to:

- *Demonstrate that only a limited number of clinical items allows determination of major toxidromes induced by chemical exposure*
- *Identify toxidromes induced by riot agents, choking gases, neurotoxic agents and vesicants*

Session Chair: Fridtjof Heyerdahl, Nicola Bates

16:50-17:20 **Poster discussion session**

262. Aerotoxic syndrome: Aircraft involved in contaminated cockpit/cabin air exposure and related symptoms in 11 patients referred for review in a specialist clinical toxicology outpatient service
David M. Wood and Paul I. Dargan

263. A characterization of occupational irritant and asphyxiant gas exposures
Christopher Hoyte

264. Ethanol strips for bedside monitoring of ethanol concentrations during treatment of toxic alcohols: Preliminary results
Knut Erik Hovda, Gaut Gadeholt and Dag Jacobsen

265. Routine toxicological analysis does not meet clinical needs: An endless breakdown in spite of modern technology
Khadija Alaywa, Frederic J. Baud, Romain Jouffroy, Lionel Lamhaut and Pierre Carli

266. The evidence for acute tolerance to human alcohol intoxication (the Mellanby effect): A systematic review
Robin E. Ferner, Michael G. Holland, Ross W. Sullivan and Ana Ferrer Dufol

267.* Occupational transdermal poisoning with synthetic cannabinoids
Mojca Dobaja, Damjan Grenc, Gordana Kozelj and Miran Brvar

268. Carbon monoxide poisoning in wood pellet storerooms
Nena Golob, Damjan Grenc, Mojca Dobaja and Miran Brvar

269. Pesticide exposure among professional users
Sarah Vecchio, Davide Lonati, Valeria M. Petrolini, Francesca Chiara, Andrea Giampreti, Marta Crevani and Carlo A. Locatelli

NB CME accreditation has not been requested for this session

17:20 Close

20:00 Congress Dinner at Teatro Real (Opera House)

*Shortlisted for Taylor & Francis best case study award



E-Posters

Session Chair: Ana Ferrer Dufol

10.00-10.45

TOPICS: E-CIGARETTES AND HOUSEHOLD PRODUCT SAFETY

1. Intramuscular and intravenous e-liquid injection: A new phenomenon?

Eleri Thomas, J. Allister Vale, Michael Eddleston, Simon HL Thomas and John P Thompson

2. Fatal outcome after suicidal subcutaneous injection of E-cigarette liquid

Justus Vasama, Kalle Hoppu, Mikko J. Parry and Jari Kalliomäki

3. Household product safety evaluation over a 15 year period based on systematic follow up

Monique Mathieu Nolf

4. MAGAM II DISC: Eye exposures caused by cleaning products in Denmark, Italy, Slovakia and Czech Republic

Elke Färber, Fabrizio Sesana, Anna Celentano, Ellen B Pedersen, Niels E Ebbehøj, Silvia Plačkova, Blažena Cagaňová, Daniela Pelclova, Sergey Zakharov and Herbert Desel

5. Evaluation of medical outcomes associated with exposures to liquid laundry detergent packets reported to the US National Poison Data System

Ryan Lucas, Kate Reynolds and Jody Green

6. Accidental childhood exposures to single use laundry detergent packs: 3-year analysis of an on-going prospective study

Shan Yin, Jonathan Colvin, Gerard Stijntjes, Leslie Rylander and Kersi Vasunia

7. Paediatric eye exposures to household products

Anna Celentano, Fabrizio Sesana, Franca Davanzo, Joannhe Georgatos, Paolo Severgnini, Rossana Borghini, Valeria Dimasi, Antonella Pirina and Marcello Ferruzzi

8. Rate estimates and trends of pediatric exposures to liquid laundry detergent capsules in Italy

Laura Settimi, Laura Lauria, Anna Celentano, Felice Giordano, Fabrizio Sesana and Franca Davanzo

9. Liquid detergent capsules: How to make the product and its use safer

Anja P. G. Wijnands, Jan Meulenbelt, Antoinette J. H. P. van Riel and Irma De Vries

10. Hot-cold packs: Trifle or threat?

Jutta Trompelt, Heidemarie Zeimentz, Oliver Sauer and Andreas Stürer

11. Toxicity resulting from automotive screenwash exposures reported to the UK's National Poisons Information Service from 2012 to 2014

Rachael C. Day, Sally M. Bradberry, Michael Eddleston, Simon H. L. Thomas, John P. Thompson and J. Allister Vale

12. Eucalyptus oil poisoning in Australia: Do we need koala-proof packaging?

Rose Cairns, Jared A. Brown and Nicholas A Buckley

Session Chair: Bruno Mégarbane

15.40-16.10

TOPICS: DRUGS OF ABUSE

18. Intoxications involving 3-fluorophenmetrazine (3-FPM): Results from the STRIDA project

Jenny Westerbergh, Matilda Bäckberg, Olof Beck and Anders Helander

19.* An analytically-confirmed case of benzylglycinamide consumption
Antonella Valli, Pietro Papa, Loretta Rocchi, Laura MA Rolandi, Massimo Serra, Davide Lonati and Carlo A Locatelli

20.* Ocular ischemic syndrome associated with repeated intravenous injection of cocaine and methamphetamine

Rita G. McKeever, Jason Lange, David Vearrier, David J. Goldberger and Michael Greenberg

21. Identification of novel psychoactive substances in biological samples from patients with severe clinical toxicity in the UK: Preliminary results from the Identification Of Novel psychoActive substances (IONA) study

Simon L. Hill, Michael Dunn, Javad Najafi, Rachelle Abouchedid, Paul I. Dargan, David M. Wood and Simon H. L. Thomas

22. Profile variations of drugs of abuse cases attending Emergency Department (ED) in a ten year period: The rise of cannabis

Carmen Lahuerta Pueyo, Judith Prieto Labiano, Ana Serrano Ferrer, Sebastian Menao Guillen and Ana Ferrer Dufol

23. Phenethylamines - they have known, but have they loved? Mass intoxication with 2C-E in northern Germany

Adrienne Kilian, Brenda Huppke, Annette Groeneveld and Andreas Schaper

24. Cross-reactivity of selected old and novel psychoactive substances (NPS) in an amphetamine and ecstasy immunoassay

Isabel Gomila, Loreto Quesada, Ana Gómez, Sonia Avella and Bernardino Barcelo

25. Geographical patterns in benzodiazepines involved in acute recreational drug toxicity presentations to the European Drug Emergencies Network (Euro-DEN)

Christopher Yates, David M. Wood, Alison M. Dines, Fridtjof Heyerdahl, Isabelle Giraudon, Roumen Sedefov, Knut Erik Hovda, Euro-Den Research Group and Paul I. Dargan

*Shortlisted for Taylor & Francis best case study award

Session Chair: Knut Erik Hovda

10.40-11.25

TOPICS: MEDICATION POISONING AND ADVERSE DRUG REACTIONS

125. Citalopram overdose in children and adolescents

Dagmar Prasa, Sonja Gros, Simone Just, Elke Färber, Sabine Stoletzki, Uwe Stedtler, Carola Seidel, Andreas Vagt, Elja Heistermann, Dieter Genser and Gabriele Dostal

249. Critical care: Survival without sequelae following a massive sodium nitrite ingestion

Rebecca Bruccoleri, Leslie Bilello, Anthony Caruso and Steven Salhanick

127. Calcium channel blocker poisonings in Denmark: 5 years' data from the Danish Poison Information Center

Salam Al-Gibouri, Jon T. Andersen, Espen Jimenez-Solem, Kasper M. Petersen, Søren Bøgevig, Tonny S. Petersen, Kim Dalhoff and Mikkel Christensen

128.* Severe hypercalcemia secondary to chronic vitamin D overdose in an infant

Kristin McCloskey, David Vearrier, Rita G. McKeever and Michael Greenberg

129. Salicylate poisoning: Risk factors for severe outcome

Rachel M. Shively, Robert S. Hoffman and Alex F. Manini

130. Accidental epidural or intrathecal administration of thiocolchicoside can be lethal

Davide Lonati, Azzurra Schicchi, Livio Paulin, Cesare Bonezzi, Sarah Vecchio, Laura Demartini and Carlo A Locatelli

131. Co-administration of methadone and ondansetron associated with torsade de pointes

Lindsay M. Fox, Rana Biary, Robert S. Hoffman, Mary Ann Howland, Lewis S. Nelson and Silas W. Smith

132. Precipitated opioid withdrawal from naltrexone injection

Rachel S. Wightman, Nathan Kunzler and Lewis S. Nelson

134. Comparison of atypical antipsychotic exposures in young children reported to US poison centers

Wendy Klein-Schwartz, Gina Stassinis, Larry Gonzales and Bruce Anderson

135.* Torsades de pointes due to co-administration of methadone and moxifloxacin

Evangelia Liakoni, Xaver Huber, Mihaela Stegert, Séverine Crettol, Chin B. Eap and Matthias E. Liechti

136.* Methadone-induced hypoglycemia in an 11-month-old child

Michael Toce and Michele Burns

*Shortlisted for Taylor & Francis best case study award

Session Chair: Mark Zammit

15.40-16.10

TOPICS: MEDICATION POISONING AND ADVERSE DRUG REACTIONS, MISCELLANEOUS, PESTICIDES

149. Ingestion of codeine syrup in children: A 10-year retrospective study
Tara Arif, Kinga Bartecka-Mino, Angelika Holzer, Helmut Schiel and Dieter Genser

150. Rebound hepatotoxicity following successful treatment of acetaminophen overdose

William Rushton and Justin Arnold

151. Paracetamol poisonings treated with two complete courses of N-acetylcysteine

Markus Tellerup, Sune Forsberg and Jonas Höjer

152. Pregabalin overdose: A review of cases reported to a poisons centre
Patricia Casey, Rawan Al-Ansari, David Williams and Edel Duggan

153. Attacks with self-defense sprays

Santiago Nogué, Montserrat Amigó, Verónica Velasco and Emilio Salgado

154. Death after imidacloprid ingestion: A case report

Ahmad G. Khorasani, Zahra F. Danesh and Shahin Shadnia

155. Fatal accidental ingestion of alphachloralose rodenticide in two siblings

Maria Windy, Ghyslaine Jalal, Naima Rhalem, Abdelmajid Soulaymani and Rachida Soulaymani

156. Methanol and formate concentrations in brain after methanol poisoning
Raido Paasma, Mailis Tõnisson, Siri Foreid, Gaut Gadeholt and Knut Erik Hovda

Session Chair: Paul Dargan

10.00-10.45

TOPICS: CRITICAL CARE POISONING, ANIMAL POISONING, PLANT AND MUSHROOMS POISONING

242. Life-threatening amlodipine intoxication: A comparison of two approaches to treatment

Sophie Magréault, Dominique Vodovar, Nicolas Deye, Sébastien Voicu, Isabelle Malissin, Antoine Goury, Florent Poirson, Marion Soichot, Emmanuel Bourgogne and Bruno Mégarbane

243. An inadvertent intravenous injection of 0.5% chlorhexidine in 70% ethanol in a newborn

Petja Fister, Darja Paro-Panjan, Branko R. Gaber, Andreja Skofljanec and Damjan Grenc

244. Self-extubation of the poisoned patients admitted to the intensive care unit: A major issue with limited consequences

Isabelle Malissin, Florent Poirson, Antoine Goury, Sebastian Voicu, Jean-Michel Ekhérian, Nicolas Deye and Bruno Mégarbane

245. Acute methanol poisoning: Prevalence and predisposing factors of haemorrhagic and non-haemorrhagic brain lesions

Sergey Zakharov, Olga Nurieva, Katerina Kotikova, Tomas Navratil, Manuela Vaneckova, Zdenek Seidl and Daniela Pelclova

246. Antidotal use of intravenous lipid emulsion: 5 years' experience in an intensive care unit

Jasmina Jovic-Stosic, Vesna Putic, Natasa Vukcevic, Gordana Ercegovic, Slavica Vucinic, Snezana Djordjevic and Gordana Brajkovic

247. High sugar + low potassium + lactic acidosis = caffeine intoxication

Erik Lindeman, Peter Hultén, Mikko Aarnio and Ngoc-Hang Huynh

248. Late presenting-massive acetaminophen overdose treated with liver dialysis

David J. Goldberger, David Vearrier, Rita G. McKeever and Michael Greenberg

250. Unusual and severe cardiac effects in *Amanita proxima* poisoning: A case report

Daniela M. Palma, Serafina Ardizzone, Vittorio M. Coppola, Andrea N. Cracchiolo, Ettore Lo Bianco, Giuliana Mandala', Francesca Martorana, Amalia Sanfilippo and Romano Tetamo

251. Mushroom picking in Navarre: Safer than we think?

Silvia Martínez Pérez, Nikole M. Velilla Mendoza, Cristina Rubio Navarro, Anabel Bardón Ranz, Miguel Á. Pinillos Echeverría and Carmen Merino Rubio

252. Snake bite in Navarre: A retrospective analysis of 45 cases

Valle Molina Samper, Jose M. Rey Pecharromán, Luisa M. Montes Fernández, Francisco J. Lucas Lerga, Nicole M. Velilla Mendoza and Mainer Igartua Astibia

Session Chair: Peter Hultén

15.45-16.15

TOPICS: CRITICAL CARE POISONING, POISONING MANAGEMENT, ANIMAL POISONING

253. Variables associated with intensive care unit (ICU) admission in acute poisonings

Pilar Miranda Arto, Ana Ferrer Dufol, Francisco J. Ruiz Ruiz and Sebastian Menao Guillen

254. What can toxicologists learn from therapeutic studies about the treatment of acute and chronic methotrexate poisoning?

Betty S. Chan

255. Plasma paracetamol metabolites accurately predict hepatotoxicity and represent new clinical toxicokinetic biomarkers

Bastiaan Vliegthart, Robert A. Kimmitt, John H. Seymour, Natalie Z. Homer, Michael Eddleston, Alasdair Gray, David J. Webb, Steff C. Lewis, D. Nicholas Bateman and James W. Dear

256. Digoxin-Fab antibody use in suspected chronic digoxin toxicity in elderly patients with multiple co-morbidities: Does it make a difference?

Hooman Arbabian and Andis Graudins

257. Sri Lankan Russell's viper envenoming causes mild myotoxicity

Christopher Johnston, Anjana Silva, Sisira Siribaddana, Nicole M. Ryan, Kalana Maduwage and Geoffrey K. Isbister

258. The use and safety of high-dose insulin euglycaemia therapy in toxin-induced cardiac toxicity


Colin B. Page, Nicole M. Ryan and Geoffrey K. Isbister

259. Extracorporeal life support (ECLS) in life-threatening digoxin overdose: A bridge to antidote

Rado Idialisoa, Romain Jouffroy, Lionel Lamhaut, Frederic J. Baud and Pierre Carli

260. Intensive Care Unit admission in poisoned patients: A 14-year study

Roberto Zoppellari, Giovanna Felisatti, Anna M. Matina, Evelina Fortini, Simona Terranova, Donatella Tortolani, Cesare Bertocco, Anna Talarico and Rosa M. Gaudio



Paper Posters

POSTERS WEDNESDAY 25 MAY

E-cigarettes

42. Improper use of a medicine bottle to prepare an e-cigarette refill liquid
Maria Laura Zuccoli, Marco Pitea, Marcello Ferruzzi, Anna Celentano, Fabrizio Sesana, Giscardo Panzavolta, Adriana Tomoiaga, Beatrice Giliotti, Angelo Travaglia, Rossana Borghini, Laura Settimi and Franca Davanzo

43. E-cigarettes and synthetic cannabinoids: A new trend
Kristin McCloskey, David Vearrier, Rita G McKeever and Michael Greenberg

Household product safety

44. Dermal and ocular exposure to vinegar essence in Austria, 2002-2014
Tara Arif, Angelika Holzer, Helmut Schiel, Dieter Genser and Kinga Bartecka-Mino

45. Household cleaning product exposures: Data from the Moroccan Poison Control Centre (2010-2014)
Ghyslaine Jalal, Maria Windy, Narjis Badrane, Naima Rhalem and Rachida Soulaymani

46. A fatal human exposure to sodium dichloroisocyanurate tablets
Rachel Vickery and John P. Thompson

47. Accidental poisonings by ingestion of decanted liquid chemicals: Retrospective analysis of cases reported to a Poisons Centre 1997-2011
Cornelia Reichert, Anja Dessauvagie, Alessandro Ceschiv, Hugo Kupferschmidt and Christine Rauber-Lüthy

48. Laundry detergents capsules: Experience of the Spanish Poisons Center
Susana De La Oliva Urieta, Emilio Mencías Rodríguez, Jesús Agudo Ordóñez and José Luis Conejo Menor

49. Exposure to liquid laundry detergent capsules: Experience of the Danish Poisons Information Centre
Ellen B. Pedersen and Lotte C. G. Hoegberg

50. Composition of automotive screenwashes sold in the UK: How many contain $\geq 3\%$ w/w methanol?
Rachael C. Day, Emma Moyns, Gary Dougherty, Michael Eddleston, Simon H. L. Thomas, John P. Thompson and J. Allister Vale

51. Toxicity of oven cleaners as reported to the UK National Poisons Information Service from 2009 to 2014
Rachael C. Day, Michael Eddleston, Simon H.L. Thomas, John P. Thompson and J. Allister Vale

52. Did increasing the number of TOXBASE[®] product entries for liquid laundry detergent capsules increase the number of accesses for these products and reduce the number of telephone enquiries reported to the UK National Poisons Information Service?
Rachael C. Day, David J. Lupton, Michael Eddleston, Simon H. L. Thomas, John P. Thompson and J. Allister Vale

POSTERS WEDNESDAY 25 MAY

53. Has the International Association for Soaps, Detergents and Maintenance Products (AISE) Product Stewardship Programme had an impact on the number and severity of exposures to liquid laundry detergent capsules reported to the UK National Poisons Information Service (NPIS)?
Rachael Day, Michael Eddleston, Simon H.L. Thomas, John P. Thompson and J. Allister Vale

54. Ocular exposures to bleaches: Comparison of severity between sodium hypochlorite and hydrogen peroxide
Anna Celentano, Fabrizio Sesana, Franca Davanzo, Marco Morina, Leonardo Molino, Joannhe Georgatos and Marcello Ferruzzi

55. Unintended severe poisoning by a modern toilet cleaner: Analysis of case reports and product databases for early risk detection
Kathrin Begemann, Esther Feistkorn, Nina Glaser and Herbert Desel

56. Addition of a bittering agent in liquid laundry detergent capsule membranes: Is there a tangible ingestion risk decrease? An Italian Poison Control Centre's point of view
Anna Celentano, Franca Davanzo, Fabrizio Sesana, Marco Morina, Leonardo Molino, Rossana Borghini and Marcello Ferruzzi

57. Inhalation injury by chlorine generated by mixtures of hypochlorite
Uwe Stedtler and Maren Hermanns-Clausen

Drugs of abuse

58. Acute health problems due to recreational drug use in patients presenting to an urban emergency department in Switzerland

Evangelia Liakoni, Patrick C. Dolder, Katharina Rentsch and Matthias E. Liechti

59. Synthetic cannabinoid receptor agonist (SCRA) toxicity reported to the Victorian Poisons Information Centre

Anselm Y. Wong, Dawson Macleod and Shaun L. Greene

60. Clinical signs and symptoms in patients poisoned with processed cannabis (Majoon Birjandi) in Eastern Iran

Reza Afshari, Ali Heydari and Omid Mehrpour

61. An unhappy end for a party involving *Datura stramonium* and other abuse drugs

Fátima Ramón, Elena Almarza, Oscar Quintela and Antonio Ortega

62.* Not your regular high: Potentially lethal cardiac dysrhythmias caused by loperamide

Rachel S. Wightman, Robert S. Hoffman, Mary Ann Howland, Daniel M. Lugassy and Rana Biary

63. Inhalational heroin resulting in acute cardiomyopathy and sensorineural hearing loss

David J. Goldberger and David Vearrier

64. A fatal case of acute clenbuterol poisoning

Ann-Charlott Svanhagen and Mark Personne

65. Clinical features and outcomes in a case series of 549 MDMA-related acute toxicity presentations reported to the European Drug Emergencies Network (Euro-DEN) project over 15 months

Cathelijne Lyphout, Paul I. Dargan, Alison M. Dines, Christopher Yates, Fridtjof Heyerdahl, Knut Erik Hovda, Isabelle Giraudon, Roumen Sedefov, Euro-Den Research Group and David M. Wood

66. The impact of legislative control of methylphenidate-based novel psychoactive substances on recreational drug-related admissions to the Royal Infirmary of Edinburgh

Janice M. Pettie, Margaret A. Dow, Robert Greig, Michael Eddleston and James W. Dear

67. Drugs of abuse used by patients presenting to the Emergency Department over a one year period

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73. Substance abuse among medical students in Maribor, Slovenia

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74. Abuse of synthetic cannabinoids in Israel: Reports to the National Poison Information Center 2010-2014

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76. Gamma-butyrolactone overdose with metabolic acidosis treated without dialysis

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79. Patterns of presentation and clinical toxicity after reported use of methiopropamine: A report from the UK National Poisons Information Service (NPIS)

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83. Clinical features of intoxication with 2C-series phenethylamines

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95. Toxicovigilance of poisoning cases in the Meknes Tafilalet region, Morocco during 2013-2014

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96. Paediatric battery ingestion: The experience of the UK National Poisons Information Service (NPIS)

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99. Optic nerve remyelination after acute methanol neuropathy: A 2-year prospective study in 54 patients

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279. Pneumothorax – A severe event in acute hydrocarbons poisoning in children: A case report

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281. Use of the paracetamol-aminotransferase product to predict hepatotoxicity in modified-release paracetamol overdose

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285. Topical aphrodisiac ingestion treated with digoxin-specific antibody fragments (DigiFab)

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286. TOXIC study: Exposures and outcome of intoxicated patients visiting the emergency department

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