1 Detailed Scientific Programme
INDEX

Pre-Congress Symposium ................................................................. 5
Main Congress .................................................................................. 11
E-Posters .......................................................................................... 39
Paper Posters .................................................................................... 47
Pre-Congress Symposium
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

10:00-11:00 Thryoxine: 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
TUESDAY 24 MAY 2016

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30–8:35</td>
<td>Welcome and opening</td>
</tr>
</tbody>
</table>
| 08:35–09:20 | **AMERICA’S SUCCESSFUL POISON CONTROL NETWORK: THOUGHTS FOR A EUROPEAN STRATEGY**<br>
|          | *Hon. David Karnes, Washington, USA*                                                           |
|          | **At the end of this session the audience should be able to:**<br>
|          | - Explain the US poison control network model & its unique federal-state/public-private partnership<br>
|          | - Recognize the potential basis, value, assets and opportunity for a European poison control system<br> |
| 09:20–09:40 | Harmonisation of the information relating to emergency health response (Poisons Centre article 45 CLP)<br>
|          | *An Jamers, European Commission, Brussels, Belgium*                                            |
|          | **At the end of this session the audience should be able to:**<br>
|          | - Recognise the main elements of the new EU harmonized system for the transmission of information on hazardous chemicals to poison centres<br> |
| 09:40–10:00 | Harmonisation of information on mixtures under CLP Article 45: an industry perspective<br>
|          | *Janice Robinson, CEPE, Brussels, Belgium*                                                     |
|          | **At the end of this session the audience should be able to:**<br>
|          | - Recognise the obligations industry will face under harmonised reporting, including numbers of notifications and extent of detail required<br> |
| 10:00–10:45 | Coffee and electronic posters<br>
|          | E-POSTERS 1 to 12 (detailed at E-Posters tab)                                                  |
Symposium: Clinical toxicology of cannabis and cannabinoids

Session Chair: Yedidia Bentur, David Wood

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:20-09:40</td>
<td>Epidemiology of cannabis and cannabinoid use</td>
<td>Maren Hermanns-Clausen, Poisons Information Center, Center for Pediatrics and Adolescent Medicine, Freiburg, Germany</td>
</tr>
<tr>
<td></td>
<td>At the end of this session the audience should be able to:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Describe essential motivations for synthetic cannabinoid consumption (getting high, legal considerations, other)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Describe differences in prevalence of cannabis and synthetic cannabinoids use</td>
<td></td>
</tr>
<tr>
<td>09:40-10:00</td>
<td>Pharmacology of cannabis and cannabinoids</td>
<td>Jean-Claude Alvarez, Versailles St Quentin University, Garches, France</td>
</tr>
<tr>
<td></td>
<td>At the end of this session the audience should be able to:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Describe the pharmacokinetic parameters of cannabis and its main metabolites in blood and their mechanism of action</td>
<td></td>
</tr>
<tr>
<td>10:00-10:45</td>
<td>Coffee and electronic posters</td>
<td>E-POSTERS from 1 to 12 (detailed at E-Posters tab)</td>
</tr>
</tbody>
</table>
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

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

*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

15:40-16:10  
Coffee and electronic posters  
E-POSTERS from 18 to 25 (detailed at E-Posters tab)

*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

Andexanet alfa for the reversal of factor Xa inhibitor activity

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

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)
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)

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

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 Puiguriguera, 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

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-10:00</td>
<td><strong>Neurotoxicity of Mercury: Two Fish Tales</strong>&lt;br&gt;Louis Roche lecture&lt;br&gt;<em>Robert Hoffman, NYU School of Medicine, New York, USA</em>&lt;br&gt;At the end of this session the audience should be able to:&lt;br&gt;- Describe the classic findings of mercury-induced neurotoxicity&lt;br&gt;- Discuss the clinical effects of elevated mercury concentrations following fish consumption</td>
</tr>
<tr>
<td>10:00-10:20</td>
<td><strong>Rethinking the nature of opiate addiction</strong>&lt;br&gt;<em>Anthony Daniels, City Hospital, Birmingham, UK</em>&lt;br&gt;At the end of this session the audience should be able to:&lt;br&gt;- Criticise the prevailing concept of opiate (and other) addictions&lt;br&gt;- Assess the claims of addicts more realistically</td>
</tr>
<tr>
<td>10:20-10:40</td>
<td><strong>Trends in opioid analgesic abuse and mortality in Europe</strong>&lt;br&gt;<em>Jody Green, Rocky Mountain Poison &amp; Drug Center, Denver, USA</em>&lt;br&gt;At the end of this session the audience should be able to:&lt;br&gt;- Describe the current landscape of opioid analgesic utilization, abuse and mortality throughout Europe from multiple datasources</td>
</tr>
<tr>
<td>10:40-11:25</td>
<td>Coffee and electronic posters&lt;br&gt;E-POSTERS: 125; 249; 127 to 132 and 134 to 136 (detailed at E-Posters tab)</td>
</tr>
</tbody>
</table>
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

**Poster discussion session**

11:25-12:30

<table>
<thead>
<tr>
<th><strong>Poster Number</strong></th>
<th><strong>Title</strong></th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>137</td>
<td><strong>Massive paracetamol overdose: An observational study</strong></td>
<td>Angela L. Chiew, Geoffrey K. Isbister, Colin B. Page and Nicholas A. Buckley</td>
</tr>
<tr>
<td>138</td>
<td><strong>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)</strong></td>
<td>Ditlev Rasmussen, Kim Dalhoff, Richard Dart, Byron Kaelin and Amy Rock</td>
</tr>
<tr>
<td>139</td>
<td><strong>Metal-on-metal hip joint prostheses: A retrospective case series investigating association of systemic toxicity with serum cobalt and chromium concentrations</strong></td>
<td>James Ho, Paul Wax, Jerrold B. Leikin, John R. H. Archer, David M. Wood, Paul I. Dargan and Jeffrey Brent</td>
</tr>
<tr>
<td>140</td>
<td><strong>Metal release from hip implant: Clinical experience with N-acetylcysteine as potential complexing agent in two cases</strong></td>
<td>Andrea Giampretti, Marta Crevani, Sarah Vecchio, Valeria M. Petrolini, Anna Ronchi and Carlo A. Locatelli</td>
</tr>
<tr>
<td>141</td>
<td><strong>Comparison of blood lead levels (BLL) in drug users, individuals under methadone maintenance therapy and healthy individuals</strong></td>
<td>Omid Mehrpour, Atefeh Ghoreishi and Shiva Shabrang</td>
</tr>
<tr>
<td>142</td>
<td><strong>Human accidental poisoning in a rural and fishing occupational setting in Italy: A 5 year Poison Control Center study</strong></td>
<td>Sarah Vecchio, Mara Garbi, Andrea Giampretti, Marta Crevani, Giulia Scaravaggi and Carlo A Locatelli</td>
</tr>
<tr>
<td>143</td>
<td><strong>Validation of a prediction rule for adverse cardiovascular events from drug overdose</strong></td>
<td>Alex F. Manini, Lynne D. Richardson, David Vlahov and Robert S. Hoffman</td>
</tr>
<tr>
<td>144</td>
<td><strong>Antagonizing the errors of history: Bedside experience with flumazenil</strong></td>
<td>Joseph J. Rasimas, Violetta Kivovich, Kamal K. Sachdeva and Joseph Ward Donovan</td>
</tr>
<tr>
<td>145</td>
<td><strong>Effectiveness of correction of metabolic acidosis on intermittent versus continuous modes of hemodialysis in acute methanol poisoning</strong></td>
<td>Sergey Zakharov, Olga Nurieva, Katerina Kotikova, Jiri Hlusicka, Tomas Navratil, Jaromir Belacek, Martin Komarc and Daniela Pelclova</td>
</tr>
<tr>
<td>146</td>
<td><strong>Outbreak of facio-troncular dystonia in central Africa due to falsified diazepam containing haloperidol</strong></td>
<td>Nicolas Peyraud, Frederic J. Baud, Micaela Serafini and Annette HeinzelmAnn</td>
</tr>
<tr>
<td>147</td>
<td><strong>To what extent does haloperidol-induced facio-troncular dystonic syndrome mimic infectious diseases? The Congo experience</strong></td>
<td>Frederic J. Baud, Nicolas Peyraud, Micaela Serafini and Annette HeinzelmAnn</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:15-15:00</td>
<td><strong>Depleted uranium and health effects - a radiobiological view</strong>&lt;br&gt;Matthias Port, Institute of Radiobiology of the German Armed Forces, Munich, Germany&lt;br&gt;At the end of this session the audience should be able to:&lt;br&gt;- Develop a realistic view in regard to radiological threats to inhabitants of areas affected by massive use of weapons containing depleted uranium&lt;br&gt;- Recognise the radiopathological pathways leading to impaired health functions after exposure to depleted uranium</td>
</tr>
<tr>
<td>15:00-15:20</td>
<td><strong>Riot control agents</strong>&lt;br&gt;Frederic Dorandeu, IRBA (French Armed Forces Biomedical Research Institute), Brétigny-sur-Orge, France&lt;br&gt;At the end of this session the audience should be able to:&lt;br&gt;- Recognise the different riot control agents (RCA) in use, their toxicity, efficacy and the medical management of casualties in case of severe overexposure</td>
</tr>
<tr>
<td>15:20-15:40</td>
<td><strong>Medical aspects on dumped chemical warfare agents</strong>&lt;br&gt;Horst Thiermann, Bundeswehr Institute of Pharmacology and Toxicology, Munich, Germany&lt;br&gt;At the end of this session the audience should be able to:&lt;br&gt;- Assess signs and symptoms that are correlated with the exposure to dumped munitions and initiate first treatment in case of poisoning</td>
</tr>
<tr>
<td>15:40-16:10</td>
<td><strong>Coffee and electronic posters</strong>&lt;br&gt;E-POSTERS 149 to 156 (detailed at E-Posters tab)</td>
</tr>
</tbody>
</table>
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-granades

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-methylenedioxyamphetamine (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
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 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 cabin 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:15-15:00</td>
<td><strong>Lipid rescue to treat acute poisonings: the fundamentals and the future</strong>&lt;br&gt;Guy Weinberg, University of Illinois and Jesse Brown VA, Chicago, USA&lt;br&gt;&lt;br&gt;At the end of this session the audience should be able to:&lt;br&gt;- Identify the several mechanisms underlying lipid rescue&lt;br&gt;- Differentiate lipid rescue as used for parenteral versus oral overdose</td>
</tr>
<tr>
<td>15:00-15:20</td>
<td><strong>Lipid emulsions in clinical toxicology: appraisal of the evidence</strong>&lt;br&gt;Sophie Gosselin, Mc Gill University Health Center, Montréal, Canada&lt;br&gt;&lt;br&gt;At the end of this session the audience should be able to:&lt;br&gt;- Discuss the rationale for the recommendations on the use of lipid emulsions from the Clinical Toxicology Associations International Workgroup</td>
</tr>
<tr>
<td>15:20-15:25</td>
<td>General discussion</td>
</tr>
<tr>
<td>15:25-15:45</td>
<td><strong>MRI investigation of the central nervous system (CNS) following different etiologies of poisoning</strong>&lt;br&gt;Philippe Hantson, Université catholique de Louvain, Brussels, Belgium&lt;br&gt;&lt;br&gt;At the end of this session the audience should be able to:&lt;br&gt;- Describe the main brain magnetic resonance imaging (MRI) features after exposure to various toxins and discuss their specificities</td>
</tr>
<tr>
<td>15:45-16:15</td>
<td>Coffee and electronic posters&lt;br&gt;E-POSTERS 253 to 260 (detailed at E-Posters tab)</td>
</tr>
</tbody>
</table>
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
FRIDAY 27 MAY 2016

ROOM AMSTERDAM

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
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 Cagâňová, 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, Joanne Geogatos, 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
**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

TOPICS: MEDICATION POISONING AND ADVERSE DRUG REACTIONS

125. Citalopram overdose in children and adolescents
Dagmar Prasa, Sonja Gros, Simone Just, Elke Färber, Sabine Stotezki, 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 Stassinos, 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 Barteka-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
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, Zdeněk 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 Vunicin, 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 Maider Igartua Astibia
<table>
<thead>
<tr>
<th></th>
<th>Session Chair: Peter Hultén</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.45-16.15</td>
<td><strong>TOPICS: CRITICAL CARE POISONING, POISONING MANAGEMENT, ANIMAL POISONING</strong></td>
</tr>
</tbody>
</table>
| 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  
| 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 Idilisioa, 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 ≥ 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
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 dysrythmias 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
Vasiliki Sofidiotou, Maria Dolianiti, Eleni Basanou, Angeliki Kalostou, Konstantinos Fountas, Vasiliki Touloupaki and Polyxeni Neou

68. Chest pain associated with recreational use of cocaine and mephedrone: Should we be asking patients about use?
Takahiro Yamamoto, Shwetha Rao, Christopher Walker, Andrew Kicman, David M. Wood and Paul I. Dargan

69. “Mâajoune” preparations: The most legendary confections of cannabis with other substances of abuse in Morocco
Narjis Badrane, Hanane Chaoui, Naima Rhalem and Rachida Soulaymani Bencheikh

70. Epidemiology and clinical picture of hashish oil poisoning in Slovenia
Vid Leban, Mojca Dobaja and Miran Brvar

*Shortlisted for Taylor & Francis best case study award
POSTERS WEDNESDAY 25 MAY

71. Online survey on prescription medicine misuse: What is the evidence for prescription opioid misuse in Singapore?
Wui Ling Chan, David M. Wood, Andrea Besharat, Heather McDaniel, Jody Green and Paul I. Dargan

72. Acute neurotoxicity of bath salts combining 3,4-methylenedioxyprovalerone and mephedrone in the rat
Nadia Benturquia, Lucie Chevillard, Christophe Poiré, Olivier Roussel, Camille Cohier, Jacques Callebert, Huixiong Chen and Bruno Mégarbane

73. Substance abuse among medical students in Maribor, Slovenia
Žiga Volgemut and Polonca Ferk

74. Abuse of synthetic cannabinoids in Israel: Reports to the National Poison Information Center 2010-2014
Yael Lurie, Gal Neuman, Iris Levdo-Avital, Daniel Kurnik and Yedidia Bentur

75. Alcoholic poisonings in adolescents treated in an emergency room in the summer of 2015
Jordi Puiguriguer, Christopher Yates, Amparo Fraile, Monica Guerra, Catalina Homar and Isabel Ramos

76. Gamma-butyrolactone overdose with metabolic acidosis treated without dialysis
James Boyd, Ilkka Ojanperä and Mika Paloheimo

77. All that glitters is not LSD!
Gael Le Roux, Severine Ferec, Benedicte Lelievre, Marie Bretaudeau-Deguigne, Chadi Abbara, Alain Turcant and David Boels

78. Severe clinical toxicity following analytically confirmed use of the synthetic cannabinoid receptor agonist MDMB-CHIMICA: A report from the Identification Of Novel psychoActive substance study (IONA)
Javad Najafi, Michael Dunn, Simon L. Hill and Simon H. L. Thomas

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

81. An unusual case of cannabinoid hyperemesis syndrome
Mariapina Gallo, Georgios Eleftheriou, Raffaella Butera and Giuseppe Bacis

82. Clinical features of paramethoxymethamphetamine (PMMA) poisoning in lethal and non-lethal cases
Carlo A. Locatelli, Eleonora Buscaglia, Sarah Vecchio, Carolina Prevaldi, Giulia Scaravaggi, Pietro Papa, Davide Lonati and Teresa Coccini

83. Clinical features of intoxication with 2C-series phenethylamines
Carlo A. Locatelli, Davide Lonati, Andrea Giampreti, Valeria M. Petrolini, Pietro Papa, Eleonora Buscaglia, Elisa Roda and Teresa Coccini

84. Accidental intoxication with cannabis after mistaking it for frozen food
Anne-Marie Patat, Alexandra Boucher, Margarita Martin-Delgado, Maxime Arnaud, Sébastien Beroud and Corine Pulce
POSTERS WEDNESDAY 25 MAY

85. Futile fight - Trends in poisoning with drugs of abuse in Hungary
Csaba Pap

86. A synthetic cannabinoid receptor agonist (AB-FUBINACA) associated fatality
Denise Fernandez, Jennifer Hammer, Jonathan De Olano, Lewis S. Nelson, Robert S. Hoffman and Mark K. Su

87. Cases of suspected drink spiking presenting to a Danish emergency department
Katrine E Möller Mortensen, Carsten Boe Pedersen and Gesche Jürgens

88. Trend analysis of novel psychoactive substances (NPS) detected in pooled urine samples from street urinals in London, UK over 18 months

89. Adverse events associated with tianeptine use and abuse
Lindsay M. Fox, Daira Falkowitz, Payal Sud, Mark K. Su and Daniel M Lugassy

Poison control centre activities

91. A review of enquiries received by the UK National Poisons Information Service (NPIS) from England and Wales involving calcium channel blocking drugs 2009-2013
Gillian Cooper, John P. Thompson, J. Allister Vale, Michael Eddleston, Simon H. L. Thomas and James M. Coulson

92. Central nervous system toxicity following mefenamic acid overdose: An analysis of UK National Poisons Information Service Data
Ashraf Kamour, Siobhan Crichton, Gillian Cooper, David J. Lupton, Michael Eddleston, J. Allister Vale, John P Thompson and Simon H.L. Thomas

93. Improving the management of a poisoned patient: How complete is the initial information provided by emergency physicians to poisons centers?
Lise Gautier, Anne-Céline Faucher, Coralie Braganca, Hervé Laborde-Casterot and Magali Labadie

94. Poisoning by carbon monoxide in Morocco: 1991-2013
Rachida Aghandous

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

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

97. Quality assessment of alkalinization recommendation by Poison Center personnel
Virginia Horne, J. Priyanka Vakkalanka, Jennifer L. Parker Cote and Christopher Holstege
98. Factors predicting axonal degeneration of the optic nerve after methanol-induced acute optic neuropathy
Sergey Zakharov, Olga Nurieva, Katerina Kotikova, Pavel Urban, Vit Petrik, Tomas Navratil and Daniela Pelclova

99. Optic nerve remyelination after acute methanol neuropathy: A 2-year prospective study in 54 patients
Sergey Zakharov, Olga Nurieva, Katerina Kotikova, Pavel Urban, Tomas Navratil and Daniela Pelclova

101. Efficacy of isosorbide dinitrate as an antidote for cyanide poisoning in rabbits depending on the timing of treatment
Ophir Lavon, Amit Avrahami and Arik Eisenkraft

102. Hydrofluoric acid: An in vitro experiment in a 3D human airway reconstructed epithelia
Laurence Mathieu, Francois Burgher, Samuel Constant, Song Huang, Alan Hall and Joel Blomet

103. Hyperbaric oxygen protects neurotrophic activity of carbon monoxide-exposed astrocytes
Jure Levstik, Miran Brvar, Dusan Suput and Damijana M. Juric

104. A novel, fluorescence-based method to detect effects of novel psychoactive substances (NPS) on neurotransmitter re-uptake transporters
Laura Hondebrink, Anouk Verboven, Gina GDM Van Kleef, Jan Meulenbelt and Remco HS Westerink

105. Variability of neurobehavioral toxicity of naphyrone, a new synthetic cathinone, with acute or binge administration
Nadia Benturquia, Camille Gamblin, Lucie Chevillard, Olivier Roussel, Patricia Rised, Jacques Callebert, Matthias E. Liechti and Bruno Mégarbane

106. Acute behavioral toxicity and addictive liability of the synthetic cathinone 3,4-methylenedioxyxypyrovalerone (MDPV) in the rat
Nadia Benturquia, Cyril Masniere, Lucie Chevillard, Olivier Roussel, Patricia Rised, Jacques Callebert and Bruno Mégarbane

107. A bifunctional and peptide-based opioid agonist-nociceptin antagonist ligand for treatment of pain: Is the benefit-to-neurorespiratory toxicity ratio improved compared to the usual opioids?
Camille Lagard, Lucie Chevillard, Patricia Risède, Bruno Mégarbane and Steven Ballet

108. The disposition of cocaine and its metabolites in biological matrices following controlled administration in volunteers
Paul I. Dargan, Eleanor L. Menzies, John R. H. Archer, Takahiro Yamamoto, Simon Elliot, Dene Baldwin, Mark C. Parkin, David M. Wood and Andrew Kicman

109. Polyvinylpyrrolidone-coated iron oxide nanoparticles (PVP-Fe$_3$O$_4$NPs): Toxicological profile evaluation in human brain cells
Uliana De Simone, Carlo A Locatelli, Davide Lonati, Lenin Ramírez-Cando and Teresa Coccini

110. Lack of symptoms following a large combined carbamazepine and quetiapine overdose: The role of enzyme induction by carbamazepine
Søren Bøgevig and Tonny S. Petersen
POSTERS WEDNESDAY 25 MAY

**Occupational poisoning**

111. Acrylamide poisoning with long-term neurological consequences  
Antonio Dueñas-Laita, Jose Luis Perez-Castrillon, Pere Sanz-Gallen, Beatriz Martín-Perez and Marta Ruiz-Mambrilla

112. The challenge of unknown chemical exposure  
Dong-Zong Hung and Kai-Wei Yang

113. Risks related to mineral oils after accidental injection of veterinary vaccines: Prospective study at the Poison Control Centre of Angers  
David Boels, Gael Le Roux, Jean-François Hamel and Florence Jegou

114. Severe poisoning after ingestion of chloroform  

115. Methyl ethyl ketone peroxide toxicity treated with acetylcysteine  
Michael Downes, Michael Bastick, Chris Cowie, Michael S. Roberts and Geoffrey K. Isbister

**Pesticides**

116. Risks from and concerns about sodium fluoroacetate (1080): A review of enquiries to the New Zealand Poisons Centre  
Michael G. Beasley and Lucy M. Shieffelbien

117. Severe toxicity with triclopyr overdose: A case report  
Colin B. Page, Tomas Rosek, Michael S. Roberts and Geoffrey K. Isbister

118. Clinical characteristics of zinc phosphide poisoning in Thailand  
Satariya Trakulsrichai, Natcha Kosanyawat, Charuwan Sriapha, Achara Tongpoo, Sunun Wongvisawakorn, Panee Rittilert and Winai Wananukul

119. Surveillance of acute plant protection pesticide-related poisonings in Italy  
Laura Settimi, Franca Davanzo, Luciana Cossa, Elisabetta Urbani and Felice Giordano

**Risk communication and management in mass toxic exposures**

121. Death cap mass poisoning of refugees and reporting channels for acute poisoning cases  
Nina Glaser, Esther Feistkorn, Kathrin Begemann, Daniela Acquarone, Martin Ebbecke, Florian Eyer, Gesine Liebetrau, Andreas Schaper, Carola Seidel, Uwe Stedtler, Andreas Stürer, Erol Tutdibi and Herbert Desel
Medication poisoning and adverse reactions

126. Examining methotrexate exposures reported to the UK National Poisons Information Service 2004-2015: Highlighting adverse reactions and avoidable therapeutic errors
Richard D. Adams, Gillian Cooper, Gillian Jackson, Victoria A. Eagling, David Stewart, Simon H.L. Thomas, John P. Thompson, J. Allister Vale and Michael Eddleston

157. Severe hypertension and bradycardia secondary to midodrine overdose
Lee Y. Wong, Anselm Y. Wong, Tomas Rozek, Michael S. Roberts and Geoffrey K. Isbister

158. Paracetamol toxicity: A survey of awareness in the Eastern province of Saudi Arabia
Mohammed Al Jumaan, Bader Alossaim and Mohye Alwahas

159. Appropriate medication administration by medical trainees when treating serotonin syndrome
Nathan P. Charlton, J. Priyanka Vakkalanka, William Rushton and Calvin J. Simmons

160. Methadone intoxication treated at an emergency centre in Serbia from 2011 to 2014
Vesna Mijatović, Zorka Drvendžija, Isidora Samojlić, Stojan Petković and Vesna Pajtić

161. Rhabdomyolysis associated with synephrine and yohimbe containing nutritional supplements and weight lifting
William J. Meggs, Kathleen Bryant, Susan Miller, Mohan Punja and Juan March

162. Diabetic medication enquiries to the New Zealand National Poisons Centre
Yvette C. Millard

163. Delirium following loperamide overdose: A case report
Felix Hammann and Matthias E. Liechti

164. Accidental intravenous administration of a Lactobacillus reuteri preparation in a neonate
Noora Heiskanen, Pirjo Tynjälä, Kalle Hoppu, Anna-Kaisa Eronen, Kirsi M. Salonen and Heidi Sandström

165. Severe prolonged tachycardia after massive overdose of paliperidone
Lee Wong, Morris Odell, Katherine Wong and Shaun L. Greene

166. Overdoses of ropinirole reported to the UK National Poisons Information Service
Alison M. Good, Gillian Jackson, Caroline E. McGrory, Victoria Eagling, Simon H. L. Thomas, John P. Thompson, J. Allister Vale and Michael Eddleston

167. Safety of antipsychotic drugs: A 16-year review
Blážena Cagáňová, Silvia Plačková, Jaroslav Kresanek, Elena Ondriasova and Natalia Luptakova

168. Severe taxane skin reaction due to a drug interaction with amiodarone: A case report
Felix Hammann, Katrin Conen, Michael Medinger, Philipp Cesana, Christoph Rochlitz and Anne B Taegtmeyer

169. Acute iatrogenic parenteral vancomycin overdose and associated nephrotoxicity: A case report
Morgan A. A. Riggan, Mary Ann Howland, Elizabeth Q. Hines, David S. Goldfarb and Lewis S. Nelson
170. What are the causes of and how to prevent medication errors by laypersons?
Michal Urban, Daniela Pelclova, Roman Lesso and Sergey Zakharov

171. A case of flecainide overdose responding to lipid emulsion therapy
Susan Miller, Mohan Punja and William J Meggs

172. Paracetamol overdose in Slovenia
Tina Antolic, Lucija Peterlin Masic and Miran Brvar

173. Supplementation of vitamin D can be hazardous when exaggerated: A case report
Eva K. Olsson, Henry Lindberg and Tomas Forsberg

174. QT prolongation after accidental tamoxifen ingestion in a 5-year-old child
Arianna Dilaghi, Lara Bertieri, Francesco Gambassi, Silvia Tamburello, Guido Mannaioni, Antonino Santacroce and Alessandra Pistelli

175. Use of octreotide as a novel treatment for insulin overdose in a non-diabetic patient
Scott Twaddell, Ian M. Whyte and Geoffrey K. Isbister

176. Erroneous intravenous injections
Henk Van Pelt, Marijke Fortuin, Yves Haerden and Martine Mostin

177. Analysis of homeopathic product exposures reported to US Poison Centers
Kate Reynolds, Edward Krenzelok and Jody Green

178. Vincristine fatality after accidental intrathecal administration: Analytical and therapeutic challenges
Davide Lonati, Sarah Vecchio, Stefano Zona, Sara Negri, Andrea Giampreti, Cristina Mussini and Carlo A. Locatelli

179. Convulsions associated with analytically confirmed phenibut ingestion
Muhammad E. M. O. Elamin, Michael Dunn, Simon L. Hill and Simon H. L. Thomas

180. Peridural accidental administration of xenobiotics: An unpredictable outcome
Davide Lonati, Azzurra Schicchi, Valeria M. Petrolini, Francesca Chiara, Eleonora Buscaglia, Raffaella Sorrentino, Enrico M. Visetti and Carlo A. Locatelli

181. Adverse events related to the administration of two different formulation of long-acting injection antipsychotics
Valeria M. Petrolini, Giulia Scaravaggi, Sarah Vecchio, Marta Crevani, Eleonora Buscaglia, Mara Garbi and Carlo A. Locatelli

182. Resurgence of propylhexedrine abuse as an inexpensive and legal alternative to methamphetamine use
Justin Arnold and William Rushton

183. QRS prolongation and ventricular tachycardia after citalopram overdose in a pediatric patient
Bradley L Demeter, Michael Toce and Michele Burns

184. Adult clonidine overdose: Prolonged bradycardia and central nervous system depression, but not severe toxicity
Geoffrey K. Isbister, Simon P. Heppell, Colin B. Page and Nicole M. Ryan
Adverse reactions from medications

185. Elevation of blood urea nitrogen with initiation of arginine chloride supplementation
Jennifer L. Parker Cote, Lipika Bhat, Jennifer R. Charlton and Nathan P. Charlton

186. Ocular cyclopentolate: Another cause of toxic acute confusional state
Beatriz Martína, Lorena Fernandez, Ana Villanueva, Nuria López, Pablo Royuela and Antonio Dueñas-Laita

187. Adverse drug reactions reported to the Poison Control Centre of Morocco (2013-2014)
Narjis Badrane, Ahlam Meftah, Hanane Chaoui, Naima Rhalem, Abdelmajid Soulaymani and Rachida Soulaymani Bencheikh

Epidemiology of poisoning

188. Botulism cases in Austria, 2006-2014
Kinga Bartecka-Mino, Anton Hlava, Christian Kornschober and Tara Arif

189. Human exposures to opioid analgesics reported to the Poisons Information Centre Erfurt from 2005 to 2014
Germaine Frimlova, Helmut Hentschel, Dagmar Prasa, Mandy Gollmann, Simone Just, Gesine Liebetrau, Bettina Plenert, Anne Stürzebecher and Michael Deters

190. Palytoxin exposures reported to the US National Poison Data System (NPDS)
Lauren T. Murphy, J. Priyanka Vakkalanka, Jennifer L. Parker Cote and Nathan P. Charlton

191. How can Poison Control Centers detect new trends in health? Vitamin D exposures as an example
Salomé Ballesteros and Fátima Ramón

192. Exposures to drugs used to treat attention deficit hyperactivity disorder (ADHD): A Poison Control Center experience
Fátima Ramón and Salomé Ballesteros

193. Risks of silica gel in medicine containers: The example of a vitamin D and Lactobacillus product for newborns
Tienie Van’t Veen, Nete Brandt Hansen and Lotte CG Hoegberg

194. An epidemiological study of acute intoxications treated in a second level, recently-opened hospital between 2010 and 2015
Vanesa Anton Vazquez, Francisca Córdoba Ruiz, Isabel De Vallés Garcia, Elena Güell, Jessica Rey, Gemma Agudo and Blanca Losada

195. Severe accidental intoxication: A 10-year analysis
Sonja Gros, Hans Jürgen Reinecke, Rüdiger Hillmann, Vimal Chada, Ingo Sagoschen, Oliver Sauer and Andreas Stürer

196. Acute poisoning in addicted patients in the toxicology department
Julia V. Radenkova-Saeva and Anelia M. Loukova
197. Evaluation of biocidal product enquiries to the Austrian Poison Information Centre 2014
Tara Arif, Kinga Bartecka-Mino, Helmut Schiel, Angelika Holzer, Marianne Keck and Dieter Genser

198. Poison exposures in early teens: Calls to the Finnish Poison Information Centre in 2014
Pirjo Tynjälä and Kalle Hoppu

199. Descriptive study of medical toxicology consultations at a teaching university hospital in Bangkok
Rittirak Othong and Ziad N. Kazzi

200. Increased paracetamol-related calls to the Finnish Poisons Information Centre better reflect paracetamol sales than serious poisonings
Mikko J Parry and Kalle Hoppu

201. A 4-year analysis of calls answered by the staff at Red Cross War Memorial Children’s Hospital (RCWMCH) Poisons Information Centre (PIC) in South Africa
Farahnaz Mohamed, Brian Eley, J. Clare Roberts, Kate H. Balme, Linda E. Curling and Cindy R. Stephen

202. Referrals from UK schools to the NPIS: An 8-year study
David Stewart, Caroline E. McGrory, J. Allister Vale, Simon H. L. Thomas, John P. Thompson, Michael Eddleston and Euan A. Sandilands

203. Study of acute atypical antipsychotic poisonings in adults in Bulgaria
Emilia V. Kirova, Margarita S. Gesheva, Anelia M. Loukova and Julia V. Radenkova-Saeva

204. Epidemiology of cannabis poisoning: Data from the toxicology laboratory of the Poison Control and Pharmacovigilance Centre of Morocco (2013-2015)
Narjis Badrane, Omaima Elbouazzi, Mouna Bentafrit, Mohamed Ghandi, Abdelmajid Soulaymani, Naima Aitdaoud and Rachida Soulaymani Bencheikh

205. The burden of malicious poisoning in the Emergency Department
Mara Pisani, Giorgia Bottaro, Valentina Ferro, Francesco Paolo Rossi, Maria Alessia Mesturino and Anna Maria Musolino

206. Costs of adult poisoned patients admitted to an adult emergency department of a tertiary hospital evaluated through a toxicovigilance program
Raul Muñoz, Alberto Borobia, Ana Martinez-Virto, Manuel Quintana, Jesus Frias and Antonio J Carcas

207. Characterization of marijuana use in US college students as reported to an online survey
George Wang, Andrea Besharat, Marie-Claire Le Lait, Colleen Haynes, Janetta Iwanicki, Richard Dart and Genie Roosevelt

208. Severe and fatal accidental pharmaceutical poisoning in young children in the UK
Mark Anderson, Leonard Hawkins, Michael Eddleston, John P. Thompson, J. Allister Vale and Simon H. L. Thomas

209. Copper sulphate experiments: An unnecessary hazard at school
Ellen B. Pedersen and Lotte C. G. Hoegberg

210. Toxic love: A 3-year retrospective analysis of love-related toxicological deliberate self-harm
Primo Botti, Francesco Gambassi, Alessandra Pistelli, Caterina Canzani, Alessandra Mocarini, Emanuela Masini and Guido Mannaioni
211. Native British snake bites in the UK: An estimation of occurrence and antivenom usage

212. Iron poisoning and the use of desferrioxamine: Survey Data from the UK National Poisons Information Service (NPIS)

213. Toxicity of 2,4 dinitrophenol: Impact of public health measures discouraging use on episodes of toxicity referred to the UK National Poisons Information Service

215. Caffeine-containing energy drinks and caffeine poisoning in school-age children (5-16 years): TOXBASE® access and enquiry data
Victoria A. Eagling, David J. Lupton, Caroline E. McGrory, Simon H. L. Thomas, John P. Thompson, J. Allister Vale and Michael Eddleston

216. Fatal poisonings: A 5-year case series of the Pavia Poison Centre
Sarah Vecchio, Valeria M. Petrolini, Andrea Giampreti, Francesca Chiara, Emanuela Cortini and Carlo A. Locatelli

217. Poisonings in children under 18 years of age presenting to the Emergency Department, Landspitali University Hospital, Iceland
Gudborg A. Gudjonsdottir, Anna M. Thordardottir and Jakob Kristinsson

219. Alcohol-based hand sanitizer exposure: Characterization and comparison of US National Poison Data System (NPDS) data and a 5-state regional poison center from 2010-2014
Shireen Banerji

220. The effect of holidays on acute poisoning enquiries to the Danish Poison Information Centre
Tonny S. Petersen, Kasper M. Petersen, Mikkel Christensen and Søren Bøgevig

221. Tracking the trends over time of unintentional pediatric exposures to benzodiazepines and opioids reported to poison centres in the Global Toxicosurveillance Network
Darcey J. G. Johnson, Gillian Cooper, Franca Davanzo, Martin Ebbecke, Michael Eddleston, Robert Garnier, Zachary R. Margolin, Bruno Mégarbane, Andreas Schaper, Fabrizio Sesana, Simon H. L. Thomas, John P. Thompson, J. Allister Vale and Jody Green

222. Tracking the trends over time of global adult human exposures to benzodiazepines and opioids reported to poison centres in the Global Toxicosurveillance Network
Darcey J. G. Johnson, Gillian Cooper, Franca Davanzo, Martin Ebbecke, Michael Eddleston, Robert Garnier, Zachary R. Margolin, Bruno Mégarbane, Andreas Schaper, Fabrizio Sesana, Simon H. L. Thomas, John P. Thompson, J. Allister Vale and Jody Green

223. Carbamazepine enquiries to the National Poisons Information Centre of Ireland: A prospective 7 year study
Niamh English, Edel Duggan and Annette Cooke

271. Intoxications handled in the intensive care unit
Francisca Córdoba Ruiz, Vanesa Anton, Isabel De Vallés Garcia, Indra Sanoja, Marcos Guerrero, Elena Güell and Luis Lopez
224. Radiation incident preparedness of Dutch hospitals
Ronald De Groot, Cornelis J. Van Loon, Marianne E. C. Leenders and Jan Meulenbelt

225. Trends in colchicine exposures reported to the Poisons Information Centre Erfurt
Anne Stürzebecher, Gesine Liebetrau, Michael Deters and Helmut Hentschel

226. Paediatric toxicology emergency simulation training: Beyond discussions on “one pill can kill”
Gene Yong-Kwang Ong

227. The correlation between TOXINZ enquiries or National Poisons Information Centre calls and emergency department (ED) presentations
John Fountain, Sarah Wells, Paul Quigley and Sandra Allmark

228. Behind the scenes of snow globe toxicity
Sian C. D. Harbon, J. Allister Vale, Michael Eddleston and John P. Thompson

229. A weight loss product containing fluoxetine
Chantal C. J. Roelen, Antoinette J. H. P. Van Riel, Bastiaan J. Venhuis, Irma De Vries and Jan Meulenbelt

230. Is a urine toxicology report useful at the emergency department for patients who are intoxicated with benzodiazepines?
Luis López, Vanesa Anton, Francisca Córdoba, Isabel De Vallés Garcia, Jessica Rey, Ana Andújar and Gemma Agudo

231. A case of methanol intoxication treated with continuous renal replacement therapy
Hyun Ju Yoon, A. Young Cho, In O. Sun, Soo-Wan Chae, Soon-Ok Noh, Yun Jo Chung and Kwang Young Lee

232. Circulatory effects of energy drinks after exercise
Niklas Odén and Kai Knudsen

233. A study of Phlomis olivieri cytotoxicity
Avishan Farzaneh, Seyed Nasser Ostad and Jinoos Asgarpanah

234. Public awareness about the market launch of mercury energy-saving lamps in Germany: Assessment of an overhyped case of alleged poisoning
Axel Hahn, Kathrin Begemann, Esther Feistkorn, Nina Glaser and Matthias Greiner

235. Chlorprothixene overdose: Analysis of enquiries to the Danish Poison Information Center
Kasper M. Petersen, Tonny S. Petersen, Søren Bøgevig and Mikkel Bring Christensen

236. A systematic review of clinical presentations of cyanide poisoning
Jennifer L. Parker Cote, Justin Rizer, Anjali Kapil, Emma Kingsbury, J. Priyanka Vakkalanka and Christopher Holstege
Critical care poisoning

270. Pneummediastinum after intentional injection of MDPV and cannabinoids into the jugular vein
Raphael Stich, Stefanie Geith, Katrin Romanek, Volker Aßfalk and Florian Eyer

272. Bitter almond ingestion causing life-threatening intoxication
Johanna Nordmark Grass

273. Death following suicidal dinitrophenol ingestion can occur in France too
Corinne Schmitt, Romain Torrents, Franck Leibinger, Nicolas Guilbert, Farid Kheloufi, Nicolas Simon and Luc De Haro

274. A case of mono-intoxication with duloxetine: Clinical presentation and serum concentrations
Verena Schrettl, Jochen Stenzel, Rudolf Pfab and Florian Eyer

275. A case of severe envenoming by eastern diamondback rattlesnake
Damjan Grenc, Miran Brvar, Klemen Steblovnik, Rihard Knafelj, Vojka Gorjup and Katarina Zivec

276. Toxin induced myocardial stunning with improvement in cardiac contractility after intravenous lipid emulsion administration
Timothy J. Wiegand and Sydney Chamberlin

277. Severe methaemoglobinemia and the blue infusion
Angela L. Chiew and Stephen Luke

Imaging diagnostic tools in the poisoned patient

278. Clinical and renal ultrasound aspects in vitamin D poisoning: A case of poisoning in twins
Viorela Nitescu, Dora Boghitoiu, Alexandru Ulmeanu and Coriolan Ulmeanu

279. Pneumothorax – A severe event in acute hydrocarbons poisoning in children: A case report
Coriolan Ulmeanu, Dora Boghitoiu and Viorela Nitescu

Poison control centre activities

280. Use of the paracetamol-aminotransferase product to predict hepatotoxicity in paracetamol overdose in a population treated with a two bag acetylcysteine regimen
Anselm Y. Wong, Marco L. Sivilotti and Andis Graudins

281. Use of the paracetamol-aminotransferase product to predict hepatotoxicity in modified-release paracetamol overdose
Anselm Y. Wong, Marco L. Sivilotti and Andis Graudins

282. Detox, drugs and dialysis - do doctors follow the advice of a poisons centre? A prospective study of 206 cases in Northern Germany
Andreas Schaper, Cornelius Radamm, Rafael Wagner and Martin Ebbecke
283. Inaccuracy of ECG conduction intervals and rhythm as reported to a Poisons Information Centre (PIC) after deliberate self poisoning
Dawson S. Macleod, Anselm Y. Wong and Shaun L. Greene

284. Unique histopathology in severe iron toxicity treated with liver transplantation

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

286. TOXIC study: Exposures and outcome of intoxicated patients visiting the emergency department
Laura Hondebrink, Saskia R. Rietjens, Irma Van Den Hengel-Koot, Bianka Zandee, Jeffrey Strik, Dylan W. De Lange, Karin A. H. Kaasjager, Douwe Dekker and Jan Meulenbelt

287. Mathematical modelling of the effect of a high dose acetylcysteine regimen based on the SNAP trial on hepatic glutathione regeneration and hepatocyte death
Harry K. R. Thanacoody, Frederik H. Nijhout, Michael C. Reed and Simon H. L. Thomas

288. Massive accidental caffeine overdose treated with continuous veno-venous haemodiafiltration (CVVHDF)
Muhammad E. M. O. Elamin, Michael Dunn, Simon H. L. Thomas and Harry K. R. Thanacoody

289. Pneumobilia as a complication of accidental ingestion of methyl ethyl ketone peroxide
Alessandra Ieri, Paolo Cassetti, Bruno Barbon, Silvia Della Corte, Francesco Gambassi, Primo Botti, Alessandra Pistelli, Emanuela Masini and Guido Mannaioni

290. Severe toxicity with guanidine thiocyanate ingestion: A case report
Colin B. Page, Peter S. Kruger, Goce Dimeski and James Walsham

291. Cost and availability of intravenous lipid emulsion therapy: A worldwide survey
Monique Cormier and Sophie Gosselin

292. Emergency Department (ED) visits, hospital admissions, and deaths managed by the Hawaii Poison Center (HPC): 2010-2014
Alvin C. Bronstein, Daniel A. Spyker and Daniel Galanis

Analytical and forensic toxicology

293. Bath salts (synthetic cathinones): Two cases with forensic implications
Elena Almarza, Maria A. Martínez, Oscar Quintela and Salomé Ballesteros

294. The toxicological significance of drug concentrations in bile
Robin E. Ferner

295. Synthetic cannabinoid MDMB-CHMICA identification in illegal products
Gordana Brajković, Jasmina Jović-Stošić, Snežana -Dordević, Vesna Kilibarda, Zorica Brajković, Snežana Bojović, Ivana Bugarski and Slavica Vučinić
296. The role of the toxicology laboratory in the risk assessment of toxicity from counterfeit herbal products
Narjis Badrane, Naima Aitdaoud, Fatima Zalagh, Mohamed Ghandi, Souad Skalli, Abderrahim Chebat, Abdelmajid Soulaymani and Rachida Soulaymani Bencheikh

297. Ingestion of liquid fertilizer as suspected cause of death
Kristine B. Olsen, Steen Holser Hansen, Jan S. Jensenc and Niels Erik Ebbehøj

298. “Spiked” urine in buprenorphine-assisted treatment of opioid dependence: The quantification of metabolites allows for detection of adulteration
Timothy J. Wiegand

299. Accidental poisoning with pulverized *Veratrum*: A case report with analytical confirmation
Rudolf Pfab, Martin Hohe, Jörg Pietsch and Florian Eyer

300. *Amanita phalloides* ingestion in children in Austria, 1996 to 2014
Tara Arif, Helmut Schiel and Kinga Bartecka-Mino

301. Herb intoxication: A folk medicine-induced anticholinergic syndrome
Hung-Sheng Huang and Chih-Chuan Lin

302. Intoxications due to wild mushrooms collected by immigrants and asylum seekers in the Netherlands
Henneke N. Mulder-Spijkerboer, Marieke A. Dijkman, Irma De Vries, Antoinette J. H. P. Van Riel and Jan Meulenberg

303. Toxic courgette (zucchini) poisoning – cucurbitacin
Alison M. Good, Gillian Jackson, Caroline E. McGrory, David Stewart, Simon H. L. Thomas, John P. Thompson, J. Allister Vale and Michael Eddleston

304. Revenge of the zucchinis – is this the result of climate change?
Rudolf Pfab, Hannes Öfele, Jörg Pietsch, Thomas Kapp, Tobias Zellner and Florian Eyer

Silvia Plačková, Blažena Cagáňová, Olga Otrubova and Jaroslav Kresanek

306. Reversible neurotoxicity, gastrointestinal and visual disturbances after consumption of the onion earthball, *Scleroderma cepa* Pers: A case report
Bettina Haberl, Verena Schrettl, Rudolf Pfab and Florian Eyer

308. Paralytic ileus and anticholinergic toxicity after ingestion of incorrectly prepared lupin seeds
Hooman Arbabian and Andis Graudins

309. * A case of severe cardiac arrhythmias after aconite poisoning with botanical and analytical confirmation
Gaël Le Roux, Pierre E Le Choismier, Ali Touré, Yvan Gaillard, David Boels and Marie Bretaudeau-Deguigne

310. Fatal colchicine poisoning after accidental ingestion of autumn crocus (*Colchicum autumnale*)
Yury N. Ostapenko, Dmitry P. Los and Larisa N. Zimina

*Shortlisted for Taylor & Francis best case study award
311. Fatal common yew ingestion with serum taxine confirmation
Ann Arens, Tiffany Anaebere, Howard Horng and Kent Olson

312.* Amatoxin poisoning during pregnancy: A case report and review of the literature
Eva K. Olsson and Emma Petersson

313. Plant names matter when recording poisoning cases and retrieving information: Kew’s Plant Names Services for Health provides solutions
Elizabeth Dauncey, Nicholas Black, Sarah E. Edwards, Jason Irving, Kristina Patmore, Alan Paton and Robert Allkin

314. Diospyros rhodocalyx (Tako-Na), a Thai folk medicine, as a cause of hypokalemia, proximal muscle weakness and hypertension
Rittirak Othong, Satariya Trakulsrichai and Winai Wananukul

315. Reasoning by analogy might not always be reasonable: Failure of ricinine to predict severity of ricin poisoning in a castor bean ingestion
Stefan Poechacker, Maria Sommer and Wolfgang Bicker

316. Lessons to learn from fatal ingestion of Prunus laurocerasus leaves in a goat
Axel Hahn, Kathrin Begemann, Esther Feistkorn, Matthias Greiner, Michael Deters and Helmut Hentschel

317. Thai eggplant ingestion resulting in anticholinergic poisoning and ECG abnormalities
Angela Hua, Alex F. Manini, Ruben Olmedo, Chad M. Meyers and Daniel Lakoff

318. Prolonged cardiotoxicity after significant ingestion of Aconitum napellus root
Lotte C. G. Hoegberg, Renette C. M. Jensen, Silje A. L. Steinbrüchelc, Rie Byrsting and Niels E. Ebbehøj

Animal poisoning

319. Expired antivenin: Good efficacy in a severely envenomed cat bitten by Sistrurus miliarius miliarius
Joan Fuchs, Jose I. Casado, Rahel Jud Schefer and Christine Rauber-Lüthy

320. Epidemiology of scorpion stings in Morocco from 2005 to 2014
Rhizlane E. I. Oufir, Ilham Semlali, Naima Rhalem, Rachida Soulaymani Bencheikh and Sanaa Benlarabi

321. Spider bites in Southern France: 3 cases
Romain Torrents, Katharina Von Fabeck, Corinne Schmitt, Audrey Boulamery, Nicolas Simon and Luc De Haro

323. Viper envenomation in Greece: Antivenom treatment in a case series (2014-2015) from the Greek Poison Information Center
Eleni Basanou, Angeliki Kalostou, Vasiliki Sofidiotou, Maria Dolianiti, Vasiliki Papathanasiou, Konstantinos Fountas and Polyxeni Neou

324. Life-saving antivenom treatment after a Monocled Cobra bite in the Netherlands
Marieke A. Dijkman, Nannet M. Van Der Schoot, Irma De Vries and Dylan W. De Lange

*Shortlisted for Taylor & Francis best case study award
POSTERS FRIDAY 27 MAY

325. Efficacy of Crotalidae polyvalent immune Fab antivenom with delayed administration
Stephen Powell, William Rushton and Justin Arnold

326. Dangerous pets: Cape cobra (Naja nivea) envenomation in Barcelona
Emilio Salgado, Ana García and Santiago Nogue

327. Treatment of pain using only hot water baths after weever and scorpion fish envenomations on the French coast
Alix Dattin, Charles Hudelo, Luc De Haro, Arnaud Kurzenne and Magali Labadie

329. Sea snake envenoming in Australia causes myotoxicity, local effects and non-specific systemic symptoms (ASP-24)
Christopher Johnston, Nicole M. Ryan and Geoffrey K. Isbister

330. The French snake antivenom bank
David Boels, Gael Le Roux, Luc De Haro, Jean-Marc Saporl, Pierre Quisticin, Jean-Philippe Chippaux and Patrick Harry

331. Hot water immersion treatment for Lion’s mane jellyfish stings in Scandinavia
Kai Knudsen and Sofia Ågren

332. Antivenom availability and clinical response to treatment in viper envenomation in Italy: 3 years’ preliminary experience
Davide Lonati, Andrea Giampreti, Sarah Vecchio, Valeria M. Petrolini, Francesca Chiara, Eleonora Buscaglia, Azzurra Schicchi and Carlo A. Locatelli

333. Cardiac magnetic resonance findings in myocarditis due to scorpion envenomation
Davide Lonati, Oronzo Catalano, Guido Moro, Valeria M. Petrolini, Francesca Chiara and Carlo A. Locatelli

335. Snakebite and use of three antivenoms in Morocco: FAV-Afrique®, Favirept® and Inoserp®
MENA
Fouad Chafiq, Naima Rhalem, Rachid Hmimou, Mohamed Fekhaoui, Abdelmajid Soulaymani, Abdelghani Mokhtari and Rachida Soulaymani Bencheikh

Veterinary toxicology

336. Oven cleaner exposure in pets
Nicola Bates and Nick Edwards

337. Sodium hypochlorite bleach exposure in dogs
Lilia Kazemi-Egbunike and Nicola Bates

338. A retrospective study of household battery exposure in 271 dogs
Tiffany Blackett and Nicola Bates

339. Severe acute 1,2-dichloropropane poisoning involving sheep
Beatrice Giliotti, Chiara Falcioni, Marina Rivolta, Leonardo Molino, Francesca Caloni, Fabrizio Sesana, Francesca Assisi, Anna Celentano and Franca Davanzo

340. Chocolate poisonings in dogs: A consecutive case series
Colette Degrandi, Maren Hermanns-Clausen, Katharina E. Hofer and Cornelia Reichert
341. Can fastidiousness kill the cat? Detergent exposures in cats: A common cause of respiratory effects
Nick Edwards and Nicola Bates

342. Severe zinc intoxication in a dog: A case report
Beatrice Giliotti, Chiara Falciola, Marina Rivolta, Leonardo Molino, Francesca Caloni, Anna Celentano, Paola A. Moro, Fabrizio Sesana and Franca Davanzo

343. Severe animal poisonings by fertilizers composed of *Ricinus communis*: A case series
Chiara Falciola, Beatrice Giliotti, Marina Rivolta, Leonardo Molino, Angelo Travaglia, Rossana Borghini, Anna Celentano, Fabrizio Sesana, Joannhe Georgatos and Franca Davanzo

344. Salbutamol exposure in dogs
Joanna Crouchley and Nicola Bates

345. Venlafaxine overdose in dogs: What are the risk factors associated with clinical signs?
Philip Rawson-Harris and Nicola Bates

346. Ethylene glycol poisoning in cats: What are the prognostic indicators?
Keely Ludden, Philip Rawson-Harris, Yu-Mei Chang, Oliver Garden, Nicola Bates and Nick Edwards

347. Oral exposure to fentanyl transdermal patches in dogs
Stella Matumo and Nicola Bates

**Poisoning and toxicology in history and culture**

349. Racial disparities in the treatment of acute overdose in the emergency department
Marcee E. McRae, Lynne D. Richardson, Robert S. Hoffman and Alex F. Manini