

38th CONGRESS OF THE
EAPCCT 2018
EUROPEAN ASSOCIATION OF
POISONS CENTRES AND
CLINICAL TOXICOLOGISTS

22-25 MAY
2018



BUCHAREST

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Detailed Scientific Programme



38th International Congress of the EAPCCT has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) for a maximum of 21 European CME credits (ECMEC®s).

Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

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Social Programme

Wednesday 23 May 2018 at 19:00 hrs: **Welcome Reception**

The Welcome Reception will be held on 23rd May 2018 at the **Cotroceni Palace**. (http://www.muzeulcotroceni.ro/index_eng.html)

The Cotroceni Palace, headquarters of **The Presidential Administration**, is located in an area with a history of over three hundred years. Between 1679 - 1681, to the west of Bucharest, on these lands, on the Cotroceni hill, Prince Serban Cantacuzino founded a monastery, clearing a densely wooded area of the Vlăsiei Woods. Remarkable within this ensemble from the times of Serban Cantacuzino were the "Assumption of the Holy Virgin" church and the magnificent princely palace, built in the Baroque style, specific to the Western Europe of those days. In terms of architecture, the ensemble of Cotroceni has known several key moments: the first is related to the name of the founder Serban Cantacuzino (1678 - 1688).

Please note that all guests are obliged to pass Security Control on arrival and bring your passport / national ID card with you. The Cotroceni Palace is about 15 minutes by bus but because of the traffic it could take about 30 minutes from the congress venue and buses will depart from the Sheraton Hotel at 17.30 hrs and return at 20.30 hrs.

Included in the registration fees

Friday 25 May 2018 at 20:00 hrs: **Conference Dinner**

The Conference Dinner will be held at **The Royal Palace of Bucharest** on Friday 25th May 2018. (<http://www.mnar.arts.ro/en/>).

The Royal Palace of Bucharest, known as Palace of the Republic (between 1948 and 1990, is a monumental building situated in the capital of **Romania**, on **Calea Victoriei**. The Palace in its various incarnations served as official residence for the **Kings of Romania** until 1947, when a republican regime was installed after the abdication of **King Michael I**. Since 1950 the Palace hosts the **National Museum of Art of Romania**. The former **Romanian royal family** currently uses **Elisabeta Palace** as its official residence in Bucharest. The Palace is the largest and most significant royal residence in the country, containing emblematic official spaces such as the Throne Hall, the Royal Dining Hall and the monumental Voivodes' Staircase. An **equestrian statue** of the first king of Romania, **Carol I** stands in the large square in front of it, traditionally known as the "Palace Square", but renamed "**Revolution Square**" following the **Romanian revolution of 1989**.

The Royal Palace of Bucharest is located in the old town. It can be reached on foot within 15 minutes from the Congress Center at the Sheraton Hotel or 10 minutes by bus (n° 381). Welcome drinks will be served at 20 hrs and dinner at 20.30 hrs.

Tickets can be bought at the registration desk. Tickets are limited in number by the venue, so please book early to avoid disappointment.

Platinum Room

CONTINUING EDUCATION IN CLINICAL TOXICOLOGY

Chemical and Biological Weapons (CBRN) – an update for the Clinical Toxicologist

Session chair: Florian Eyer, Fridtjof Heyerdahl

- 09:00 - 09:30** Acute Radiation Syndrome: A role for toxicologists?
Stephen Borron, Texas Tech University Health Sciences Center, El Paso, USA
- 09:30 - 10:00** Ricin, a plant toxin of special interest
Brigitte Dorner, Robert Koch Institute, Berlin, Germany
- 10:00 - 10:30** Botulism: the poison of the poison - a real risk?
Davide Lonati, Poison Control Centre and National Toxicology Information Centre - Toxicology Unit IRCCS Maugeri Hospital and University of Pavia, Italy

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

- ▶ Describe the role of serial absolute lymphocyte counts in assessing whole body radiation dosages.
- ▶ Explain the hallmarks of ricin toxin including its structure and function as well as its role as potential biothreat agent and to highlight pros and cons of different detection methods.
- ▶ Explain the potential use of botulism toxin as a potential biothreat agent and describe the clinical manifestations and treatment.

10:30 - 11:00 Coffee



Session chair: Horst Thiermann, Davide Lonati

- 11:00 - 11:30** Mobile lab support for Ebola diagnostics - challenges, solutions and lessons learned
Roman Wölfel, Bundeswehr Medical Academy, Munich, Germany
- 11:30 - 12:00** From Diagnosis to Treatment of Clostridial Toxins
Panagiotis Papatheodorou, Institute of Pharmacology and Toxicology, University of Ulm Medical Center, Germany
- 12:00 - 12:30** Verification through Analytical Chemistry – Proving exposure to chemical warfare agents by the OPCW
Marc-Michael Blum, Organisation for the Prohibition of Chemical Weapons, Rijswijk, The Netherlands

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

- ▶ Explain the principles of the mobile lab support in the Ebola outbreak 2013-15 and describe the most important lessons-learned.
- ▶ Explain possible diagnosis and treatment options for clostridial toxins posing a potential public health threat.
- ▶ Understand the use of biomedical sample analysis in the OPCW verification mechanism to confirm exposure to chemical warfare agents and other toxic chemicals.

12:30 – 13:30 Lunch

Session chair: Miran Brvar, John Thompson

- 13:30 - 14:00** Triage, patient decontamination, and early diagnostics after chemical warfare attacks
Dirk Steinritz, Bundeswehr Institute of Pharmacology and Toxicology, Munich, Germany
- 14:00 - 14:30** Therapeutic challenges in mass exposure to toxic industrial chemicals
Peter de Paepe, Ghent University Hospital, Belgium
- 14:30 - 15:00** Public health aspects of chemical weapon preparedness and response: some lessons from the field
Catherine Smallwood, World Health Organization, Geneva, Switzerland

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

- ▶ Explain the medical challenges that occur after chemical attacks and how to cope with these issues.
- ▶ Discuss the therapeutic challenges in mass exposure to toxic industrial chemicals.
- ▶ Describe some of the public health, medical and other challenges that WHO has faced in recent emergencies involving toxic chemical hazards.

15:00 – 15:30 Coffee



Session chair: Stephen Borron, Darren Roberts

- 15:30 – 16:00** Nerve Agents - Blister Agents: different challenges need different approaches
Horst Thiermann, Bundeswehr Institute of Pharmacology and Toxicology, Munich, Germany
- 16:00 – 16:30** Risk to and protection of hospital personnel during decontamination/ treatment in the hospital
Marianne Leenders, National Poisons Information Center/ University Medical Center Utrecht, The Netherlands
- 16:30 – 17:00** Medical treatment through a barrier – challenges when protection is needed
Fridtjof Heyerdahl, Oslo University Hospital, Norway

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

- ▶ Recognise these agents as extremely toxic compounds requiring immediate protection of personnel and facilities as well as rapid decontamination of victims, and that therapy of nerve agent poisoning is aimed at antagonizing acute life-threatening effects whereas therapy of blistering agents is aimed at amelioration of pathophysiological damage to facilitate wound healing.
- ▶ Recognize the risks presented to hospital personnel when treating possibly contaminated patients and know how to protect them.
- ▶ Describe different scenarios where protective equipment is needed, and challenges with developing new protective equipment.



Platinum Room (morning)

Louis Roche lecture followed by Guidelines and Systematic Reviews Symposium (plenary session)

Session chair: Bruno Mégarbane, Rob Palmer

- 08:55 – 09:15** Welcome and opening
Introduction and presentation of the Louis Roche Lecturer
Bruno Mégarbane, President EAPCCT
- 09:15 – 10:00** Never ending series of surprises by 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)
Daniela Pelclova, General University Hospital, Charles University, Prague, Czech Republic
- 10:00 – 10:20** Is there a method to our madness? Methodology for systematic reviews in clinical toxicology
Sophie Gosselin, Centre antipoison du Québec, Hôpital Charles Lemoyne, Montréal, Canada
- 10:20 – 10:40** Shedding light on activated charcoal: Presentation by AC guideline development group
Robert Hoffman, NYU School of Medicine, New York, USA and
Lotte Hoegberg, The Danish Poisons Information Centre, Bispebjerg University Hospital, Copenhagen, Denmark

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

- ▶ Analyse the different challenges encountered when collecting evidence to produce practice recommendations
- ▶ Understand the methods and status of the collaborative guideline on the use of activated charcoal in poisoned patients

10:40 – 11:20 Coffee and Authors with Posters

Session chair: Sophie Gosselin, Lotte Hoegberg

11:20 – 11:40 To make a long story short:
Presentation by QT guideline development group
Darren Roberts, NSW Poisons Information Centre, Sydney, Australia
Rittirak Othong, Faculty of Medicine Vajira Hospital, Navamindradhiraj University, Bangkok, Thailand

11:40 – 12:30 Pro-Con Debate:
Predicting Torsade - QT nomogram or fancy formulae?
PRO: The nomogram is the only way
CON: No nomogram, use the formulae
Ingrid Berling, Hunter New England Local Health District, Newcastle, Australia
Robert Hoffman, NYU School of Medicine, New York, USA

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

- ▶ Discuss challenges in conducting the QT systematic review by a group of multinational members and current updates and outline methods for maximising the clinical relevance of guidelines
- ▶ Understand the usefulness and limitations of the QT nomogram
- ▶ Describe the multiple methods for correcting the QT interval and their relative performance at predicting acute cardiovascular events in poisoned patients

12:30 – 13:30 Lunch

13:30 – 14:00 Authors with Posters and Poster Round
(poster numbers 25, 42, 46, 63, 84)

Platinum Room (afternoon)

Poison Centre Data Collection Symposium

Session chair: Alexander Campbell, Hugo Kupferschmidt

14:00 – 14:20 European Poisons Centres data collection to support curative and preventative measures against poisoning - Introduction
Herbert Desel, German Federal Institute for Risk Assessment, Berlin, Germany

14:20 – 14:40 Benefits of harmonisation of product notification to Poisons Centers
Ronald de Groot, Dutch National Poisons Information Center, Utrecht, The Netherlands



14:40 – 15:00 The importance of poison centre information for international activities in assessing risks to public health
Raquel Duarte Davidson, Public Health England, Newbury, UK

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

- ▶ Describe the advantages and problems of harmonised poisons centres case data collection in Europe
- ▶ Describe the benefits of harmonisation of product notification to Poisons Centers in the context of future case data collection
- ▶ Understand the importance of poison centre information for international initiatives on the notification of risks to public health and how this data can be used to underpin changes to legislation

15:00 – 15:45 Coffee and Authors with Posters

Session chair: Pieter Brekelmans, Martin Wilks

15:45 – 16:00 Results from the EU LiquiCaps study: a comparison between cases exposed to liquid laundry detergent and automatic dishwashing capsules (abstract no. 1)

Laura Settimi¹, Felice Giordano², Luciana Cossa¹, Laura Lauria¹, Ehi Idahosa-Taylor³, Stacey Wyke³, Charlotte Hague³, Rob Orford³, Esther Feistkorn⁴, Nina Glaser⁴, Irma De Vries⁵, Anja Wijnands-Kleukers⁵, Franca Davanzo⁶, Anna Celentano⁶, Fabrizio Sesana⁶, Sergey Zakharov⁷, Karolina Mrazova⁷, Patricia Casey⁸, Edel Duggan⁸, Feargal O'Connor⁸, Silvia Plackova⁹, Blažena Cagaňova⁹, Fátima Rato¹⁰, Rafael Wagner¹¹, Elke Färber¹¹, Raquel Duarte-Davidson³, Herbert Desel⁴

¹ Italian National Institute of Health, Rome, Italy; ² La Sapienza University, Rome, Italy; ³ Public Health England, Chemicals and Poisons Department, Centre for Radiation, Chemical and Environmental Hazards, Chilton, United Kingdom; ⁴ Federal Institute for Risk Assessment, Berlin, Germany; ⁵ Poison Control Centre, Utrecht, Netherlands; ⁶ Poison Control Centre, Milan, Italy; ⁷ Toxicological Information Centre, Prague, Czech Republic; ⁸ Poison Control Centre, Dublin, Ireland; ⁹ Poison Control Centre, Bratislava, Slovak Republic; ¹⁰ Poison Control Centre, Lisbon, Portugal; ¹¹ Poison Control Centre, Göttingen, Germany

16:00 – 16:20 Use of Poison Center data for Public Health Surveillance
Jay Schauben, Florida Poison Information Center, Jacksonville, USA



16:20 – 16:40 European poison centre data collection: where are we now and where do we want to go?
Hugo Kupferschmidt, Tox Info Suisse, Zurich, Switzerland

16:40 – 17:00 Round Table Discussion

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

- ▶ Describe the methodology and list the mechanisms for use of poison center data in providing public health surveillance and mitigation of public health threats in the United States
- ▶ Understand how we can get to an European Poisoning Data System, what the scenarios, stakeholders, and requirements are, and what problems could be expected, and how it could be financed

Wednesday 23

Arizona & Colorado Room (afternoon) **Oral Platform & Short Oral Presentations**

Session chair: Shaun Greene, Kenneth McMartin

14:00 – 14:05 Favorable acute toxicity profile of noscapine in children (abstract no. 2)
Colette Degrandi¹, Jutta Trompelt², Andreas Vagt³, Carola Seidel⁴, Dagmar Prasa⁵, Claudia Zatloukal⁶, Cornelia Reichert¹
¹National Poisons Centre, Tox Info Suisse, Zürich, Switzerland; ²Poisons Information Centre, Mainz, Germany; ³Poisons Information Centre, Berlin, Germany; ⁴Poisons Information Centre, Bonn, Germany; ⁵Poisons Information Centre, Erfurt, Germany; ⁶Poisons Information Centre, Vienna, Austria

14:05 – 14:10 Toxicovigilance through social media: quantifying abuse-indicating information in Twitter data (abstract no. 3)
Abeed Sarker¹, Graciela Gonzalez¹, Francis J DeRoos¹, Lewis S Nelson², **Jeanmarie Perrone**³
¹Biostatistics, Epidemiology and Informatics, University of Pennsylvania, Philadelphia, United States; ²Emergency Medicine, Rutgers New Jersey Medical School, Newark, United States; ³Emergency Medicine, University of Pennsylvania, Philadelphia, United States



- 14:10 – 14:15** Severe to lethal methanol poisoning after commercially available denatured ethanol “pink alcohol” abuse (abstract no. 4)
Daive Lonati¹, Sarah Vecchio¹, Mara Garbi¹, Virgilio Costanzo², Rosa Draisci³, Maristella Rubbiani³, Marta Crevani¹, Teresa Coccini¹, Carlo A Locatelli¹.
¹ Pavia Poison Control Centre - National Toxicology Information Centre - Clinical and Experimental Lab, Toxicology Unit, Maugeri Clinical and Scientific Institutes IRCCS and University of Pavia, Pavia, Italy; ² Ministry of Health, National Health System, Rome, Italy; ³ National Centre for Chemicals, Istituto Superiore di Sanità, Rome, Italy
- 14:15 – 14:30** Morbidity and follow-up after acute poisoning by substances of abuse (abstract no. 5)
Odd Martin Vallersnes¹, Dag Jacobsen², Øivind Ekeberg³, Mette Brekke¹
¹ Department of General Practice, University of Oslo, Oslo, Norway; ² Department of Acute Medicine, Oslo University Hospital, Oslo, Norway; ³ Division of Mental Health and Addiction, Oslo University Hospital, Oslo, Norway
- 14:30 – 14:35** Impact of the UK Psychoactive Substances Act 2016 on Emergency Department presentations related to synthetic cannabinoid receptor agonists (SCRAs), cathinones and other new psychoactive substances (abstract no. 6)
Nicholas E Webb¹, David M Wood², John RH Archer², Alison Dines¹, Paul I Dargan²
¹ Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom; ² Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust; Faculty of Life Sciences and Medicine, King's College London, London, United Kingdom
- 14:35 – 14:40** Investigation of the pharmacodynamic interaction involved in the respiratory depression attributed to diazepam/buprenorphine combination (abstract no. 7)
Dominique Vodovar¹, Lucie Chevillard¹, Géraldine Pottier², Sylvain Auvity², Fabien Caillé², Irène Buvat², Nicolas Tournier², Bruno Mégarbane¹
¹ Department of Medical and Toxicological Critical Care, Lariboisière Hospital, Paris-Diderot University, INSERM UMRS1144, Paris, France; ² Molecular Imaging In Vivo, CEA, Paris-Saclay University, Orsay, France
- 14:40 – 14:45** Investigation of baclofen-induced neurorespiratory toxicity: characterization of tolerance development and withdrawal syndrome (abstract no. 8)
Magali Chartier, Lucie Chevillard, Salma Tannous, Isabelle Malissin, Laurence Labat, Nadia Benturquia, Patricia Risède, **Bruno Mégarbane**
Department of Medical and Toxicological Critical Care, Lariboisière Hospital, Paris-Diderot University, INSERM UMRS1144, Paris, France

- 14:45 – 14:50** The development of analytical techniques for the cardiac glycosides in yellow oleander (*Cascabela thevetia*) (abstract no. 9)
Eaman Cheema ¹, Christopher Walker ¹, Andrew Kicman ¹, Fahim Mohammed ², Indika B Gawarammana ², **Paul I Dargan** ³
¹ Faculty of Life Sciences and Medicine, King's College London, London, United Kingdom; ² South Asia Clinical Toxicology Research Collaboration, University of Peradeniya, Kandy, Sri Lanka; ³ Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust; Faculty of Life Sciences and Medicine, King's College London, London, United Kingdom
- 14:50 – 14:55** Early prognostic factors in colchicine intoxication (abstract no. 11)
Giorgio Perucco ¹, Valeria M Petrolini ¹, Marta Crevani ¹, Davide Lonati ¹, Sarah Vecchio ¹, Alberto Malovini ², Giulia Scaravaggi ¹, **Carlo A Locatelli** ¹
¹ Pavia Poison Control Centre - National Toxicology Information Centre - Clinical and Experimental Lab, Toxicology Unit, Maugeri Clinical and Scientific Institutes IRCCS and University of Pavia, Pavia, Italy; ² Laboratory of Informatics and Systems Engineering for Clinical Research, Maugeri Clinical and Scientific Institutes IRCCS, Pavia, Italy
- 14:55 – 15:00** Illegal drug use in prison: results of urinary drug screening in patients hospitalized in a French Inter-Regional Secure Hospital Unit (UHSI) (abstract no. 12)
Jeremie Alby ¹, **Régis Bédry** ¹, Mareme Kandji ², Estelle Sudre ², Nahid Sarram-Nadjimi ², Pierre Brun ², Karine Titier ³, Sophie Gromb-Monnoyeur ²
¹ Medico-Legal Department, Bordeaux University Hospital, Bordeaux, France; ² Bordeaux University Hospital, Bordeaux, France; ³ Toxicology Laboratory, Bordeaux University Hospital, Bordeaux, France
- 15:00 – 15:45** **Coffee and Authors with Posters**



Arizona & Colorado Room (afternoon)

Oral Platform Presentations

Session chair: Allister Vale, Ian Whyte

- 15:45 – 16:00** Correlation between cardiac symptomatology, troponin and echocardiogram in carbon monoxide poisoning: preliminary data in a prospective study (abstract no. 13)
Daive Lonati, Marta Crevani, Azzurra Schicchi, Valeria M Petrolini, Francesca Chiara, Mara Garbi, Carlo A Locatelli
Pavia Poison Control Centre - National Toxicology Information Centre - Clinical and Experimental Lab, Toxicology Unit, Maugeri Clinical and Scientific Institutes IRCCS and University of Pavia, Pavia, Italy
- 16:00 – 16:15** What is the best antidote to reverse tramadol-induced neuro-respiratory toxicity in overdose? An experimental investigation in the rat (abstract no. 14)
 Camille Lagard, Isabelle Malissin, Wassila Indja, Patricia Risède, Lucie Chevillard, **Bruno Mégarbane**
Department of Medical and Toxicological Critical Care, Lariboisière Hospital, Paris-Diderot University, INSERM UMRS1144, Paris, France
- 16:15 – 16:30** § Effects of lipid emulsion on the pharmacokinetic and pharmacodynamic properties of metoprolol: a randomized, double-blind, placebo-controlled cross-over study (abstract no. 15)
Kasper M Petersen¹, Soeren Boegevig¹, Tonny S Petersen¹, Thomas B Jensen¹, Trine Henriksen², Henrik E Poulsen², Kim P Dalhoff¹, Mikkel B Christensen¹
¹*Department of Clinical Pharmacology, Bispebjerg and Frederiksberg University Hospital, Copenhagen, Denmark;* ²*Laboratory of Clinical Pharmacology, Copenhagen University Hospital Rigshospitalet, Copenhagen, Denmark*
- 16:30 – 16:45** Intentional acute valproate overdose: the role of gastroscopy for decontamination of the gastrointestinal tract (abstract no. 16)
 Elena Taratynova, Sarah Vecchio, Davide Lonati, Azzurra Schicchi, Valeria M Petrolini, Marta Crevani, **Carlo A Locatelli**
Pavia Poison Control Centre - National Toxicology Information Centre - Clinical and Experimental Lab, Toxicology Unit, Maugeri Clinical and Scientific Institutes IRCCS and University of Pavia, Pavia, Italy

§ Shortlisted for Taylor & Francis best scientific presentation award



16:45 – 17:00

§ Drug-specific risk of severe QT prolongation following acute drug overdose (abstract no. 17)

Sharan Campleman ¹, Jeff Brent ², Paul Wax ³, **Alex Manini** ⁴

¹American College of Medical Toxicology, New York, United States;

² Medicine, University of Colorado, School of Medicine, Aurora, United States; ³ Emergency Medicine, UT Southwestern Medical Center, Dallas, United States; ⁴ Medical Toxicology, Icahn School of Medicine at Mount Sinai, New York, United States



Platinum Room (morning)

Plenary lecture followed by New Psychoactive Substances Symposium

Session chair: Paul Dargan, Irma de Vries

09:00 – 09:45 How clinical toxicologists and poisons centres contribute to addressing NPS in Europe
Alexis Goosdeel, European Monitoring Centre for Drugs and Drug Addiction (EMCDDA), Lisbon, Portugal

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

- Understand the European Early Warning System and how Clinical Toxicologists and Poisons Centres can contribute to addressing NPS in Europe

09:50 – 10:05 § Psychoactive synthetic cathinones elicit mitochondrial myotoxicity by different mechanisms (abstract no. 103)
 Xun Zhou, Franziska Paech, **Dino Luethi**, Matthias E Liechti, Stephan Krähenbühl
Clinical Pharmacology & Toxicology, Department of Biomedicine, University Hospital Basel and University of Basel, Basel, Switzerland

10:05 – 10:10 The dissociative new psychoactive substances diphenidine and methoxphenidine interact with monoaminergic transporters and receptors (abstract no. 104)
Dino Luethi¹, Marius C Hoener², Matthias E Liechti¹
¹ *Clinical Pharmacology & Toxicology, Department of Biomedicine, University Hospital Basel and University of Basel, Basel, Switzerland;*
² *Roche Innovation Center Basel, F. Hoffmann-La Roche Ltd, Basel, Switzerland*

§ Shortlisted for Taylor & Francis best scientific presentation award

10:10 – 10:25

§ Changes with time in analytically confirmed exposure to novel psychoactive substances (NPS) in patients with severe clinical toxicity in the UK (abstract no. 105)

Simon HL Thomas¹, Michael D Dunn¹, Simon L Hill², Simon Tucker³, David M Wood⁴, Paul I Dargan⁴, Johann Grundlingh⁵, Heather Jarman⁶, Liza Keating⁷, Himanshu Kataria⁸, Michael Eddleston⁹, Jane Officer¹⁰, Jamie Cooper¹¹, Janos Baombe¹², Jonathan Thornley¹³, Richard Parris¹⁴
¹ Heath Protection Research Unit for Chemical and Radiation Threats and Hazards, Newcastle University, Newcastle, United Kingdom; ² Clinical Toxicology Service, Newcastle Hospitals NHS Foundation Trust, Newcastle, United Kingdom; ³ Emergency Department, Blackpool Teaching Hospitals NHS Foundation Trust, Blackpool, United Kingdom; ⁴ Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust and King's Health Partners, Faculty of Life Sciences and Medicine, King's College, London, United Kingdom; ⁵ Emergency Department, Royal London Hospital, London, United Kingdom; ⁶ Emergency Department, St George's University Hospitals NHS Foundation Trust, London, United Kingdom; ⁷ Emergency Department, Royal Berkshire NHS Foundation Trust, Reading, United Kingdom; ⁸ Emergency Department, St Helens and Knowsley Teaching Hospitals NHS Foundation Trust, Whiston, United Kingdom; ⁹ Royal Infirmary of Edinburgh, Edinburgh, United Kingdom; ¹⁰ Scottish Police Authority Forensic Services, Edinburgh, United Kingdom; ¹¹ Aberdeen Royal Infirmary, Aberdeen, United Kingdom; ¹² Central Manchester University Hospitals NHS Foundation Trust, Manchester, United Kingdom; ¹³ Leeds Teaching Hospitals NHS Foundation Trust, Leeds, United Kingdom; ¹⁴ Bolton NHS Foundation Trust, Bolton, United Kingdom

10:25 – 10:30

Under-estimation of new psychoactive substance use in patients presenting with acute recreational drug toxicity to the emergency department (abstract no. 106)

Rachelle Abouchedid¹, David M Wood², Michelle Wood³, Simon Hudson⁴, Christophe Stove⁵, Alison Dines⁶, John RH Archer², Paul I Dargan²
¹ Austin Health, Melbourne, Australia; ² Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust; Faculty of Life Sciences and Medicine, King's College London, London, United Kingdom; ³ Waters Ltd, Manchester, United Kingdom; ⁴ Laboratory and Managed Services, LGC Ltd, Fordham, United Kingdom; ⁵ University of Ghent, Ghent, Belgium; ⁶ Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom

10:30 – 11:10**Coffee and authors with posters**

§ Shortlisted for Taylor & Francis best scientific presentation award

**Session chair: Matthias Liechti, Chris Yates**

- 11:10 – 11:25** Four-year surveillance trends of new psychoactive substances in London, UK using pooled urine analysis (abstract no. 107)
John RH Archer¹, Paul I Dargan¹, Simon Hudson², Nicholas E Webb¹, Elizabeth Biswell¹, David M Wood¹
¹ *Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom;* ² *Laboratory and Managed Services, LGC Ltd, Fordham, United Kingdom*
- 11:25 – 11:30** An increasing number of cases involving designer benzodiazepine exposures reported to the Dutch Poisons Information Center (abstract no. 108)
Antoinette JHP Van Riel, Annette JJ Nugteren-Van Lonkhuyzen, Irma S Van Den Hengel-Koot, Irma De Vries
Dutch Poisons Information Center, University Medical Center Utrecht, Utrecht, Netherlands
- 11:30 – 11:45** Clinical characteristics of new designer benzodiazepines: intoxication cases from the Swedish STRIDA project (abstract no. 109)
Matilda Bäckberg¹, Madeleine Pettersson Bergstrand², Lisa Franzén³, Olof Beck², Anders Helander²
¹ *Unit for Drug Prevention, The Public Health Agency of Sweden, Stockholm, Sweden;* ² *Karolinska Institutet and Karolinska University Laboratory, Stockholm, Sweden;* ³ *Swedish Poisons Information Centre, Stockholm, Sweden*
- 11:45 – 11:50** Synthetic cannabinoid receptor agonist (SCRA) availability on darknet drug markets: changes during 2016-2017 (abstract no. 110)
Andrew Scourfield¹, Catherine Flick², Jack Ross¹, Natalie Thurtle³, Darryl Stellmach⁴, John RH Archer⁵, **David M Wood**⁵, Paul I Dargan⁵
¹ *Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom;* ² *Centre for Computing and Social Responsibility, De Montfort University, Leicester, United Kingdom;* ³ *Department of Clinical Toxicology, Prince of Wales Hospital; Médecins Sans Frontières-Holland, Sydney, Australia;* ⁴ *The Charles Perkins Centre, The Marie Bashir Institute for Infectious Diseases and Biosecurity, and the School of Life and Environmental Sciences, The University of Sydney; Médecins Sans Frontières-UK, Sydney, Australia;* ⁵ *Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust; Faculty of Life Sciences and Medicine, King's College London, London, United Kingdom*

11:50 – 12:05 5F-MDMB-PINACA on the streets: case series of 17 poisonings (abstract no. 111)
Csaba Pap, Department of Emergency Medicine and Clinical Toxicology, Péterfy Hospital, Budapest, Hungary

12:05 – 12:20 Acute synthetic cannabinoid receptor agonist (SCRA) toxicity: a case series of 442 patients presenting to a regional poisons treatment centre (abstract no. 112)

Konstantin M Brusin¹, Yulia V Kraeva², Maria A Gofenburg², David M Wood³, Paul I Dargan³

¹ Kaplan Medical Centre, Rehovot, Israel; ² Regional Poisoning Treatment Centre, Sverdlovsk Regional Psychiatric Hospital, Yekaterinburg, Russian Federation; ³ Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust; Faculty of Life Sciences and Medicine, King's College London, London, United Kingdom

12:20 – 12:30 General Discussion

12:30 – 13:30 Lunch

13:30 – 14:00 Authors with Posters & Poster Round
(poster numbers 126, 131, 135, 156, 188)

Arizona & Colorado Room (morning)

Novel Oral Anticoagulants Mini-Symposium

Session chair: Betty Chan, Sally Bradberry

09:50 – 10:10 Patterns of toxicity associated with NOACs
Carlo Locatelli, ICS Maugeri Pavia, Italy

10:10 – 10:30 Management of NOAC toxicity and new antidotes
Rama Rao, Weill Cornell Medical College, New York, USA

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

- ▶ Describe the toxic mechanisms and effects of NOACs
- ▶ Discuss how to limit or reverse life-threatening hemorrhage in patients taking novel oral anticoagulants therapeutically or in overdose

10:30 – 11:10 Coffee and Authors with Posters

APAMT Symposium on Occupational Toxicology

Session chair: Wui Ling Chan, Rittirak Othong

- 11:10 – 11:30** Patients with chemical exposure presenting to Bangkok Hospital in an industrial area in Thailand
Thanjira Jiranantakan, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand
- 11:30 – 11:50** Occupational Lead Poisoning as a Lesson to be Learnt from Thailand
Satariya Trakulsrichai, Ramathibodi Hospital, Bangkok, Thailand
- 11:50 – 12:10** How should we handle tetramethylammonium hydroxide (TMAH) exposure more appropriately?
Jou-Fang Deng, Taipei Veterans General Hospital, Taiwan
- 12:10 – 12:30** Experience in diagnosis and treatment of patients exposed to dimethyl sulfate
Xuetao Zhang, Shanghai Institute of Occupational Disease for Chemical Industry, China

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

- ▶ Describe circumstances, responses, management, final outcomes and recommendations of chemically-exposed patients, especially in the context of occupational exposure in Thailand
- ▶ Describe occupational lead exposure in Thailand including clinical aspects and management of cottage-industry workers with high blood lead concentrations
- ▶ Appreciate that on-site decontamination with appropriate antidote administration are critical following exposure to tetramethylammonium hydroxide (TMAH)
- ▶ Describe the clinical manifestations and management of patients with acute dimethyl sulfate poisoning

12:30 – 13:30 Lunch

13:30 – 14:00 Authors with Posters and Poster Round
(poster numbers 126, 131, 135, 156, 188)

Platinum Room (afternoon)

Drug-Induced Organ Failure Symposium

Session chair: Andrew Dawson, Sergey Zakharov

- 14:00 – 14:20** Are Berlin ARDS definition and risk factors helpful to classify and manage drug-induced respiratory failure?
Dylan de Lange, University Medical Center, Utrecht, The Netherlands
- 14:20 – 14:40** Is there a place for non-invasive mechanical ventilation and high-flow nasal canula to treat drug-induced respiratory failure?
Raido Paasma, Foundation Pärnu Hospital, Estonia
- 14:40 – 15:00** Drug-induced liver failure: new options in extracorporeal liver support techniques and liver transplantation
Julia Wendon, Kings College Hospital Foundation Trust, London, UK

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

- ▶ Identify different levels of severity of pulmonary injury and its potential treatment options
- ▶ Describe when it is possible to use non-invasive mechanical ventilation or high-flow nasal canula to treat drug-induced respiratory failure
- ▶ Understand the differences between acute and acute-on-chronic liver failure, the evidence for extracorporeal liver support and how to identify patients who will benefit from transplantation

15:00 – 15:40 Coffee and Authors with Posters

Session chair: John Archer, Mark Kostic

- 15:40 – 15:45** Back from irreversibility after drug-induced cardiovascular toxicity treated with massive catecholamine doses (abstract no. 113)
Amandine Bouchet, Sébastien Voicu, Isabelle Malissin, Nicolas Péron, Nicolas Deye, **Bruno Mégarbane**
Department of Medical and Toxicological Critical Care, Lariboisière Hospital, Paris-Diderot University, INSERM UMRS1144, Paris, France
- 15:45 – 16:05** The role of classic and more recent vasopressors and inotropic drugs in the treatment of drug-related cardiovascular failure
Florian Eyer, Klinikum rechts der Isar - Technical University of Munich, Germany

16:05 – 16:25 Drug-induced acute renal failure: which international classification should we use?
Dominique Vodovar, Lariboisière Hospital, Paris-Diderot University, INSERM UMRS1144, Paris, France

16:25 – 16:45 Brain Death and the Toxicology Patient
Laura Tormoehlen, Indiana University and Indiana University Health Physicians, Indianapolis, USA

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

- ▶ Describe different types of toxin-induced cardiovascular failure, list different inotropes and vasopressors and understand why these agents should be tailored to the underlying pathophysiology of shock
- ▶ Understand how to use the various international classifications to describe drug-induced renal failure and report its mechanisms and prognosis
- ▶ Describe the challenges and potential pitfalls of declaring brain death in the toxicology patient

17:15 – 18:30 EAPCCT General Assembly

Arizona & Colorado Room (afternoon)

Oral Platform Presentations: Paracetamol Poisoning

Session chair: Rick Dart, Karen Simone

14:00 – 14:15 § Clinical effectiveness of a shorter 12 hour acetylcysteine (SNAP) protocol in routine clinical practice (abstract no. 114)
Ruben HK Thanacoody¹, Muhammad Emo Elamin², Nicholas E Webb³, Luke De La Rue³, Kerry Layne³, Simon L Hill¹, John RH Archer³, David M Wood³, Paul I Dargan³, Simon HL Thomas¹
¹Newcastle University, Newcastle upon Tyne, United Kingdom; ²Newcastle Hospitals NHS Foundation Trust, Newcastle upon Tyne, United Kingdom; ³Guy's & St Thomas NHS Foundation Trust, London, United Kingdom

§ Shortlisted for Taylor & Francis best scientific presentation award

14:15 – 14:30 A nationwide Danish study of the impact of a new 2-bag N-acetylcysteine dosing regimen on paracetamol overdose morbidity and mortality (abstract no. 115)

Tonny S Petersen, Soeren Boegevig, Mikkel B Christensen, Kasper M Petersen, Kim P Dalhoff

Department of Clinical Pharmacology, Bispebjerg Hospital, Copenhagen, Denmark

14:30 – 14:45 The predictive value of opioid co-ingestion for acetaminophen-induced hepatotoxicity (abstract no. 116)

Stephanie Hernandez¹, Mark Su², Rachel Shively³, Zhanna Livshits⁴, Denise Fernandez⁵, Mai Takematsu⁶, Nima Majlesi⁷, Vincent Rizzo⁸, Sage Wiener⁹, Jason Chu¹⁰, Howard Greller¹¹, Ruben Olmedo¹, Thomas Schiano¹², Alex Manini¹

¹ Emergency Medicine, Icahn School of Medicine at Mount Sinai, New York, United States; ² New York City Poison Control Center, New York, United States; ³ Northwell Health North Shore University Hospital, Nassau County, New York, United States; ⁴ Emergency Medicine, New York Presbyterian Weill Cornell Medical Center, New York, United States; ⁵ Emergency Medicine, Jacobi Medical Center, Bronx, New York, United States; ⁶ Emergency Medicine, Montefiore Medical Center, Bronx, New York, United States; ⁷ Emergency Medicine, Northwell Health Staten Island University Hospital, Staten Island, New York, United States; ⁸ Internal Medicine, Queen Hospital Center, Queens, New York, United States; ⁹ Emergency Medicine, Kings County Hospital, Brooklyn, New York, United States; ¹⁰ Emergency Medicine, Mount Sinai St. Luke's Hospital, New York, United States; ¹¹ Emergency Medicine, St. Barnabas Hospital, Bronx, New York, United States; ¹² Internal Medicine, Icahn School of Medicine at Mount Sinai, New York, United States

14:45 – 15:00 Acetaminophen repeated supratherapeutic-dose toxicity among children under five years old: efficacy of N-acetylcysteine in Monrovia, Liberia (abstract no. 117)

Mohamad K Haidar¹, Guillemette Thomas², Nikola Morton², Stephanie Mayronne², Robin E Ferner³, Luke Bawo⁴, Klaudia Porten⁵, Frederic J Baud⁶

¹ Epicentre, Université Paris Descartes, Paris, France; ² Médecins Sans Frontières, Paris, France; ³ University of Birmingham, Birmingham, United Kingdom; ⁴ Ministry of Health and Social Welfare, Monrovia, Liberia; ⁵ Epicentre, Paris, France; ⁶ Médecins Sans Frontières, Université Paris Descartes, Paris, France

15:00 – 15:40 Coffee and Authors with Posters

Oral Platform and Short Oral Presentations

Session chair: Robin Ferner, Daniela Pelclova

- 15:40 – 15:55** Fishkeeping: a high risk sports activity? The underestimated threat of zoanthids (abstract no. 118)
Martin Ebbecke¹, Jakob Strube², Nadja Struß², Andreas Schaper²
¹ GIZ-Nord Poisons Centre, University Medical Center, Göttingen, Germany; ² University Medical Center, Göttingen, Germany
- 15:55 – 16:00** Hyperbaric oxygen effectively reduces harmful effects of carbon monoxide in mixed but not in neuronal cell cultures (abstract no. 119)
 Manja Mlakar¹, Klara Bulc Rozman², **Miran Brvar**³, Damijana M Juric¹
¹ Institute of Pharmacology and Experimental Toxicology, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia; ² Institute of Pathophysiology, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia; ³ Centre for Clinical Toxicology and Pharmacology, University Medical Centre Ljubljana, Ljubljana, Slovenia
- 16:00 – 16:05** Investigation of paracetamol metabolites to compare acetylcysteine regimens in paracetamol overdose (abstract no. 120)
Anselm Wong¹, Natalie Homer², James W Dear³, Kay Weng Choy⁴, James Doery⁴, Andis Graudins⁵
¹ Monash and Austin Toxicology Units, Monash and Austin Health and Department of Medicine, School of Clinical Sciences, Monash University, Victoria, Australia; ² Edinburgh Clinical Research Facility, Queen's Medical Research Institute, Edinburgh, United Kingdom; ³ Pharmacology, Toxicology and Therapeutics, University/BHF Centre for Cardiovascular Sciences, University of Edinburgh, Edinburgh, United Kingdom; ⁴ Monash Pathology, Monash Health, Victoria, Australia; ⁵ Monash Toxicology Unit and Emergency, Monash Health and Department of Medicine, School of Clinical Sciences, Monash University, Victoria, Australia
- 16:05 – 16:10** Blood lactate prognostic implications in acetaminophen supratherapeutic-dose toxicity among low weight children (abstract no. 121)
Mohamad K Haidar¹, Guillemette Thomas², Nikola Morton², Stephanie Mayronne², Robin E Ferner³, Luke Bawo⁴, Klaudia Porten⁵, Frederic J Baud⁶
¹ Epicentre, Université Paris Descartes, Paris, France; ² Médecins Sans Frontières, Paris, France; ³ University of Birmingham, Birmingham, United Kingdom; ⁴ Ministry of Health and Social Welfare, Monrovia, Liberia; ⁵ Epicentre, Paris, France; ⁶ Médecins Sans Frontières, Université Paris Descartes, Paris, France

- 16:10 – 16:15** The role of oxidative stress in acute methanol intoxication: oxidative lipid damage and subsequent neuroinflammation (abstract no. 122)
Jiri Hlusicka¹, Daniela Pelclova², Sergey Zakharov², Petr Kacer³
¹ Toxicological Information Centre, General University Hospital, Charles University, Prague, Czech Republic; ² Charles University, Prague, Czech Republic; ³ Institute of Chemical Technology, Prague, Czech Republic
- 16:15 – 16:30** Chronic retinal neurodegeneration following acute methanol exposure: four-year prospective study in a cohort of 42 survivors of methanol poisoning (abstract no. 123)
Sergey Zakharov¹, Olga Nurieva¹, Katerina Kotikova¹, Jiri Hlusicka¹, Jan Rulisek², Pavel Diblík³, Pavel Kuthan³, Pavel Urban⁴, Tomas Navratil⁵, Daniela Pelclova¹
¹ Department of Occupational Medicine, 1st Faculty of Medicine, Charles University and General University Hospital, Prague, Czech Republic; ² Department of Anesthesia and Intensive Care, First Faculty of Medicine, Charles University and General University Hospital, Prague, Czech Republic; ³ Department of Ophthalmology, General University Hospital in Prague, Prague, Czech Republic; ⁴ Centre for Industrial Hygiene and Occupational Medicine, National Institute of Public Health, Prague, Czech Republic; ⁵ Department of Biomimetic Electrochemistry, J. Heyrovský Institute of Physical Chemistry of CAS, v.v.i, Prague, Czech Republic
- 16:30 – 16:45** Attitudes towards research among adult acute toxicology admissions (abstract no. 124)
Ailsa AJ Campbell¹, James W Dear¹, Rachel O'Brien², Miranda Odam²
¹ University of Edinburgh, Edinburgh, United Kingdom; ² Royal Infirmary of Edinburgh, Edinburgh, United Kingdom
- 17:15 – 18:30** EAPCCT General Assembly (Platinum Room)



Platinum Room (morning)
Young Investigator Award (YIA)
(plenary session)

Session chair: Bob Hoffman, David Wood

- 09:00 – 09:05** Introduction
- 09:05 – 09:20** Finger prick capillary microRNA-122 is a biomarker of paracetamol hepatotoxicity (abstract no. 204)
Marco Cirronis¹, Emanuela Masini¹, Sarah Schneemann², Janice M Pettie², Michael Eddleston², James W Dear²
¹ Department of Neuroscience, Psychiatry, Drug Area and Child Health (NEUROFARBA), Section of Pharmacology and Toxicology, University of Florence, Florence, Italy; ² Pharmacology, Toxicology and Therapeutics, University/BHF Centre for Cardiovascular Science, Edinburgh University, Edinburgh, United Kingdom
- 09:20 – 09:35** Acute kidney injury in Australian snake envenoming: common, multifactorial and somewhat avoidable (ASP-26) (abstract no. 205)
Christopher Johnston¹, Nicholas Buckley², Simon Brown³, Nicole M Ryan¹, Colin Page⁴, Geoffrey K Isbister¹
¹ Clinical Toxicology Research Group, University of Newcastle, Newcastle, Australia; ² Department of Pharmacology, University of Sydney, Sydney, Australia; ³ Harry Perkins Institute, Nedlands, Australia; ⁴ Department of Clinical Toxicology, Calvary Mater Newcastle, Newcastle, Australia
- 09:35 – 09:50** Role of norepinephrine transporter gene variations in the cardiostimulant effects of 3,4-methylenedioxymethamphetamine (MDMA) (abstract no. 206)
Patrick Vizeli¹, Henriette E Meyer Zu Schwabedissen², Matthias E Liechti¹
¹ Department of Clinical Pharmacology and Toxicology, University Hospital of Basel, Basel, Switzerland; ² University of Basel, Basel, Switzerland

- 09:50 – 10:05** The potential utility of microRNA for comparing efficacy of acetylcysteine regimens in paracetamol overdose (abstract no. 207)
Anselm Wong¹, Charlotte Nejad², Michael P Gantier², Kay Weng Choy³, James Doery³, Andis Graudins⁴
¹ Monash and Austin Toxicology Unit, Monash and Austin Health and School of Clinical Sciences, Monash University, Victoria, Australia; ² Centre for Innate Immunity and Infectious Disease, Hudson Institute of Medical Research and Department of Molecular and Translational Science, Monash University, Victoria, Australia; ³ Monash Pathology, Monash Health, Victoria, Australia; ⁴ Monash Toxicology Unit and Emergency, Monash Health and Department of Medicine, School of Clinical Sciences, Monash University, Victoria, Australia
- 10:05** Judging commences
- 10:05 – 10:20** Epidemiology and evolution of clinical toxicology in Romania in the last 10 years
Viorela Nitescu, Childrens Hospital Grigore Alexandrescu, Bucharest, Romania
- 10:20 – 10:30** Presentation to the winner of the YIA
- 10:30 – 11:10** Coffee and Authors with Posters
-

Platinum Room (morning)

Inter-individual Variability Symposium

Session chair: Raido Paasma, Simon Thomas

- 11:10 – 11:30** Inter-individual variability in poisoning: How do I manage investigation at the bedside?
Jules Desmeules, Geneva University Hospitals, Switzerland
- 11:30 – 11:50** The blood-brain barrier as a variability factor in brain toxicology
Xavier Declèves, University Paris Descartes, France
- 11:50 – 12:10** Opioid-related fatalities: can we explain the individual risk from diversion and misuse?
Bruno Mégarbane, Paris-Diderot University, France



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

- ▶ Explain all available tools to investigate the inter-individual variability of toxicity features and time-course in the poisoned patient
- ▶ Be aware of new insights into transporters for psychoactive compounds in the blood-brain barrier as variability factors in brain toxicity
- ▶ Explain the reasons for the major threat presented by opioid toxicity

12:10 – 12:25 § Relative risk of combining benzodiazepine with opioids based on National Poison Data System (NPDS) exposure outcome data (abstract no. 208)

Daniel A Spyker¹, Alvin C Bronstein²

¹ Emergency Medicine, Oregon Health & Science University, Portland, United States; ² Injury Prevention System Branch, Emergency Medical Services, Honolulu, United States

12:25 – 12:30 General Discussion

12:30 – 13:30 Lunch

13:30 – 14:00 Authors with Posters & Poster Round
(poster numbers 214, 220, 234, 273, 279)

Arizona & Colorado Room (morning) Best paper session

Session chair: Régis Bédry, Thomas Zilker

An international panel have each been asked to select a clinical toxicology paper published in 2017 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.

11:10 – 11:30 Validation of the Prognostic Utility of the Electrocardiogram for Acute Drug Overdose
Manini AF, Nair AP, Vedanthan R, Vlahov D, Hoffman RS.
J Am Heart Assoc. 2017 Feb 3;6(2): e004320
Betty Chan, Prince of Wales Hospital and Community Health Services, Sydney, Australia

§ Shortlisted for Taylor & Francis best scientific presentation award

- 11:30 – 11:50** A prospective study of ketamine as primary therapy for prehospital profound agitation.
Cole JB, Klein LR, Nostrum PC, Moore JC, Driver BE, Fryza BJ, Harrington J, Ho JD.
Am J Emerg Med. 2017 Oct 7. pii: S0735-6757(17)30820-3.
Rana Biary, New York University School of Medicine, USA
- 11:50 – 12:10** Supporting the EU response to environmental emergencies: European Multiple Environmental Threats Emergency Network
Hall L, Roelofs J, Schulpen S, et al.
Int. J. of Safety and Security Eng. 2017 (3), 324-336
Irma de Vries, Dutch Poisons Information Center, University Medical Center Utrecht, The Netherlands
- 12:10 – 12:30** Are vasopressors useful in toxin-induced cardiogenic shock?
Skoog CA, Engebretsen KM
Clin Toxicol (Phila) 2017; 55, 4: 285-304
Vincent Danel, Université Grenoble Alpes, France
- 12:30 – 13:30** Lunch
- 13:30 – 14:00** Authors with Posters and Poster Round
(poster numbers 214, 220, 234, 273, 279)
-

Platinum Room (afternoon)

Inter-individual Variability Symposium – continued

Session chair: Knut Erik Hovda, Charles McKay

- 14:00 – 14:20** Amphetamine and NPS-related toxicity: can pharmacogenomics alter presentation?
Matthias Liechti, University Hospital Basel, Switzerland
- 14:20 – 14:40** Susceptibility to acetaminophen-induced liver toxicity: the role of liver metabolism
James Dear, University of Edinburgh, UK
- 14:40 – 15:00** Hypersusceptibility to drugs: why some people are poisoned
Robin Ferner, University of Birmingham, UK

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

- ▶ Assess which pharmacogenetic characteristics likely influence the clinical effects of amphetamine-type stimulants
- ▶ Explain the contribution of individual variation in liver toxicity after acetaminophen overdose
- ▶ Explain the wide variation in responses to drugs within and between individuals and some of the factors that influence susceptibility to harm from drugs

15:00 – 15:45 Coffee and Authors with Posters

Arizona & Colorado Room (afternoon) **Paediatric Toxicology Symposium**

Session chair: Bill Banner, Ana Ferrer Dufol

14:00 – 14:20 Unintentional poisonings due to chemicals in children. Spanish Toxicosurveillance Program

Lidia Martinez, Hospital Sant Joan de Déu, Barcelona, Spain

14:20 – 14:40 The poison centre perspective on unintentional paediatric poisoning
Maren Hermanns-Clausen, Faculty of Medicine, University of Freiburg, Germany

14:40 – 15:00 Binge drinking and chemical submission: impact on teenagers
Régis Bédry, Bordeaux University Hospital, France

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

- ▶ Describe the main features of the unintentional poisonings due to chemicals in children and explain the importance of detecting risk factors and applying preventive measures
- ▶ Describe circumstances of severe acute unintentional poisoning and related risk factors among children and teenagers
- ▶ Describe factors which explain the behavior of teenagers in relation to binge drinking and which factors make an individual a potential victim to a potential aggressor

15:00 – 15:45 Coffee and Authors with Posters

Platinum Room (afternoon)**Oral Platform/Short Oral Presentations and Special Presentation****Session chair: Peter Hultén, Mark Zammit**

- 15:45 – 16:00** § Serotonin toxicity: a regression analysis of frequency and outcomes (abstract no. 209)
Joyce M Cooper¹, Stephen B Duffull², Geoffrey K Isbister³
¹ Faculty of Health & Medicine, University of Newcastle, Callaghan, Australia; ² Division of Health Sciences, University of Otago, Dunedin, New Zealand; ³ Department of Clinical Toxicology, Calvary Mater Newcastle, Newcastle, Australia
- 16:00 – 16:05** Large inter-batch variation in acute adverse reactions to Indian polyvalent antivenom (abstract no. 210)
Anjana Silva¹, Nuwan Premawardene¹, Anoma Bandaranayake², Sisira Siribaddana¹, Geoffrey K Isbister³
¹ Faculty of Medicine and Allied Sciences, Rajarata University of Sri Lanka, Anuradhapura, Sri Lanka; ² Internal Medicine Unit, Teaching Hospital Anuradhapura, Anuradhapura, Sri Lanka; ³ Clinical Toxicology Research Group, University of Newcastle, Newcastle, Australia
- 16:05 – 16:10** Pre-workout supplements: the new trend (abstract no. 211)
Chantal CJ Roelen¹, **Antoinette JHP Van Riel**¹, Bastiaan J Venhuis², Pauline M Verputten¹, Irma De Vries¹
¹ Dutch Poisons Information Center, University Medical Center Utrecht, Utrecht University, Utrecht, Netherlands; ² National Institute for Public Health and the Environment, Bilthoven, Netherlands
- 16:10 – 16:30** Preparation and Presentation of ePosters at Scientific Conferences
Ana Ferrer Dufol, Clinical University Hospital, Zaragoza, Spain

§ Shortlisted for Taylor & Francis best scientific presentation award

Arizona & Colorado Room (afternoon) Paediatric Toxicology Symposium - continued

Session chair: Erica Liebelt, Timothy Wiegand

15:45 – 16:05 Safety Profile of Cough and Cold Medication Use in Pediatrics
Jody Green, Inflexion, Boston, USA

16:05 – 16:25 Desferrioxamine: Does it Really Work?
Milton Tenenbein, University of Manitoba, Winnipeg, Canada

16:25 – 16:30 General Discussion

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

- ▶ Discuss the rate of safety events and common adverse events associated with the use of cough and cold medications in children
- ▶ Discuss the efficacy of desferrioxamine in the management of iron overdose

DRUGS OF ABUSE

18

Clinical effects following 2C-B exposure: a case series of 20 patients

Johanna J Nugteren-Van Lonkhuyzen, Laura Hondebrink, Saskia J Rietjens, Benjamin VV Hooi, Irma De Vries, Antoinette JHP Van Riel

Dutch Poisons Information Center, University Medical Center Utrecht, Utrecht University, Utrecht, Netherlands

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Acute toxicity following analytically confirmed use of the novel psychoactive substance (NPS) methiopropamine: a report from the Identification Of Novel psychoActive substances (IONA) study

Joanna White¹, Paul I Dargan², David M Wood², Simon L Hill³, Elizabeth Biswell¹, John RH Archer², Michael D Dunn⁴, Simon HL Thomas³

¹*Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom;*

²*Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust; Faculty of Life Sciences and Medicine, King's College London, London, United Kingdom;* ³*Newcastle Hospitals NHS Foundation Trust; NIHR Health Protection Research Unit for Chemical Threats and Hazards, Newcastle University, Newcastle, United Kingdom;* ⁴*NIHR Health Protection Research Unit for Chemical Threats and Hazards, Newcastle University, Newcastle, United Kingdom*

& 20**An analytically confirmed non-fatal intoxication by the ultra-potent fentanyl analogue carfentanil in Sweden**

Lisa Franzén¹, Olof Beck², Anders Helander²

¹*Swedish Poisons Information Centre, Stockholm, Sweden;* ²*Department of Laboratory Medicine, Karolinska Institutet and Karolinska University Laboratory, Stockholm, Sweden*

22

New psychoactive substance (NPS)-induced toxicity requiring intensive care unit admission: a case series

Noémie Haloua¹, Isabelle Malissin¹, Jean-Claude Alvarez², Laurence Labat³, Bruno Mégarbane¹

¹*Department of Medical and Toxicological Critical Care, Lariboisière Hospital, Paris-Diderot University, INSERM UMRS1144, Paris, France;* ²*Toxicology Laboratory, Raymond Poincaré University Hospital, Garches, France;* ³*Toxicology Laboratory, Lariboisière Hospital, Paris-Descartes University, Paris, France*

& Shortlisted for Taylor & Francis best case study award



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Analytical prevalence of drugs of misuse in homeless people presenting with severe toxicity after suspected use of novel psychoactive substancesMichael D Dunn¹, Simon L Hill², Jane Officer³, Simon HL Thomas¹

¹ Health Protection Research Unit for Chemical & Radiation Threats and Hazards, Newcastle University, Newcastle, United Kingdom; ² Clinical Toxicology Service, Newcastle Hospitals NHS Foundation Trust, Newcastle, United Kingdom; ³ Scottish Police Authority Forensic Services, Edinburgh, United Kingdom

24

Novel psychoactive substances (NPS) and emergency rooms (ER): a complicated relationship?Attilio Negri¹, Anna Celentano², Andrea Stella², Carla E Morganti³, Marcello Ferruzzi², Laura MB Cazzaniga³, Hayley M Vergani⁴, Adriano Masarin⁵, Andrea Bellone⁶, Franca Davanzo²

¹ Postgraduate School of Clinical Pharmacology and Toxicology, University of Milan, Milan, Italy; ² National Milan Poison Control Center, Niguarda Great Metropolitan Hospital, Milan, Italy; ³ Department of Mental Health, Niguarda Great Metropolitan Hospital, Milan, Italy; ⁴ Postgraduate School of Clinical Pharmacology and Toxicology, University of Genova, Genova, Italy; ⁵ Biochemical Laboratory, Toxicology Section, Niguarda Great Metropolitan Hospital, Milan, Italy; ⁶ Emergency Department, Niguarda Great Metropolitan Hospital, Milan, Italy

&* 25

4-Fluoromethylphenidate (4F-MPH) abuse: an analytically-confirmed caseMarcello Di Tuccio¹, Pietro Papa¹, Giampietro Frison², Flavio Zancanaro², Antonella Valli¹, Davide Lonati³, Eleonora Buscaglia³, Carlo A Locatelli³

¹ Laboratory of Analytical Toxicology, Fondazione IRCCS Policlinico San Matteo-Pavia, Pavia, Italy; ² Laboratory of Environmental Hygiene and Forensic Toxicology, Department of Prevention, Azienda USL3 Mestre (Venezia), Mestre, Italy; ³ Pavia Poison Control Centre - National Toxicology Information Centre - Clinical and Experimental Lab, Toxicology Unit, Maugeri Clinical and Scientific Institutes IRCCS and University of Pavia, Pavia, Italy

26

Diffuse ST elevation on electrocardiogram (ECG) consistent with pericarditis secondary to smoking "K2"Muhammad Masood Khalid¹, Rayhan Tariq², Ahmed Mamdouh Taha Mostafa³, Rita McKeever³, Richard Hamilton³

¹ Emergency Department, Division of Medical Toxicology, Drexel University College of Medicine, Philadelphia, United States; ² Anesthesia, Drexel University College of Medicine, Philadelphia, United States; ³ Emergency Medicine, Division of Medical Toxicology, Drexel University College of Medicine, Philadelphia, United States

& Shortlisted for Taylor & Francis best case study award

* Included in poster round 13:30 to 14:00 hrs

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Acute intracerebral haemorrhage following the use of synthetic cannabinoids and cathinones

Artūras Barkus, Lina Radevičiūtė, Robertas Badaras, Gabija Laubner
Center of Toxicology, Vilnius University, Vilnius, Lithuania

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Acute cannabis presentations: clinical characteristics and the effect of ethanol co-ingestion

Juan Ortega Pérez¹, Christopher Yates², Catalina Homar Amengual², Jordi Puiguriquer Ferrando²

¹ *Emergency Department, Hospital Universitari Son Espases, Palma de Mallorca, Spain;* ² *Emergency Department/Clinical Toxicology Unit, Hospital Universitari Son Espases, Palma de Mallorca, Spain*

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Acute dyskinetic syndrome in severe amphetamine poisoning

Margarita S Gesheva¹, Miroslava T Petkova¹, Andriana B Stoykova¹, Julia V Radenkova-Saeva¹, Anelia M Lukova¹, Plamen I Vanev¹, Vasil N Atanassov², Boryana A Mechkarska²

¹ *Toxicology Clinic, UMHATEM "N.I.Pirogov", Sofia, Bulgaria;* ² *Toxicochemical Laboratory, Military Medical Academy, Sofia, Bulgaria*

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Fatalities related to dextromethorphan abuse

Blazena Caganova, Silvia Plackova, Igor Batora
National Toxicological Information Centre, Department of Occupational Medicine and Toxicology, University Hospital Bratislava and Faculty of Medicine Comenius University, Bratislava, Slovak Republic

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Gabapentin and the potentiation of opioid effects: two cases

Timothy J Wiegand, Kenneth Conner
Emergency Medicine, University of Rochester School of Medicine & Dentistry, Rochester, United States

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Saturday night abscess: a brachial plexus abscess in an intravenous drug user

Jonathan De Olano¹, Aaron Rothstein², Larissa Laskowski¹, Mary Ann Howland¹, Susi Vassallo¹, Rana Biary¹

¹ *Toxicology, NYU/Bellevue, New York City, United States;* ² *Neurology, NYU/Bellevue, New York City, United States*



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Analytically confirmed recreational use of oberacetam (Noopept®) in the UK

Heather Jarman¹, Philip Moss¹, Michael D Dunn², Simon L Hill³, Simon HL Thomas²
¹Emergency Department, St Georges University Hospitals NHS Foundation Trust, London, United Kingdom; ²Health Protection Research Unit for Chemical & Radiation Threats and Hazards, Newcastle University, Newcastle, United Kingdom; ³Clinical Toxicology Department, Newcastle Hospitals NHS Foundation Trust, Newcastle, United Kingdom

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Clinical effects and analytical implications of the use of *Sceletium tortuosum* and cannabis: a case report

Anna Celentano¹, Marco Morina², Adriano Masarin³, Attilio Negri², Cecilia Gechtman³, Rossana Borghini¹, Fabrizio Sesana¹, Franca Davanzo¹
¹National Milan Poison Control Center, Niguarda Great Metropolitan Hospital, Milan, Italy; ²Postgraduate School of Clinical Pharmacology and Toxicology, University of Milan, Milan, Italy; ³Biochemical Laboratory, Toxicology Section, Niguarda Great Metropolitan Hospital, Milan, Italy

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Cerebrovascular ultrasound changes in opium addicted and non-addicted ischemic stroke patients

Omid Mehrpour¹, Seyed Mohammad Mousavi Mirzaei¹, Abolfazl Talebi¹, Alireza Amirabadizadeh¹, Samaneh Nakhaee²
¹Medical Toxicology and Drug Abuse Research Center (MTDRC), Birjand University of Medical Sciences, Birjand, Iran; ²Cardiovascular Diseases Research Center, Birjand University of Medical Sciences and Medical Toxicology and Drug Abuse Research Center (MTDRC), Birjand University of Medical Sciences, Birjand, Iran

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Low Glasgow Coma Scale (GCS) due to gammahydroxybutyrate (GHB) intoxication is not an indication for intubation

Lidwien Van Helmond, Femke Gresnigt
Emergency Department, OLVG Hospital, Amsterdam, Netherlands

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Illegal drug overdoses in Ljubljana, Slovenia

Tanja Varl, Damjan Grenc, Marija Jamsek, Mojca Dobaja, Miran Brvar
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Hyperthermia in sympathomimetic/serotonergic substance of abuse poisoning: a case series

Erica Garbelli¹, Valeria M Petrolini¹, Teresa Coccini¹, Sarah Vecchio¹, Pietro Papa², Davide Lonati¹, Carlo A Locatelli¹
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Acute health problems due to recreational drug use in patients presenting to an urban emergency department in SwitzerlandIrene Scholz¹, Sabine Müller², Aristomenis K Exadaktylos³, Evangelia Liakoni¹

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Doctors' awareness and perception of prescription medicine misuse in SingaporeWui Ling Chan¹, David M Wood², Paul I Dargan²

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Intentional opioid exposures with benzodiazepine co-ingestants in the US and Europe as reported to the RADARS® System Global Toxicosurveillance Network

Laura J Fischer¹, Stevan G Severtson¹, Samantha J Leroy¹, Zachary R Margolin¹, Jody L Green¹, Bruno Mégarbane², Antoine Villa², Andreas Schaper³, Martin Ebbecke³, Fabrizio Sesana⁴, Radars® System Poison Center Group¹

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A nine year retrospective review of trends in oral anticoagulant enquiries to the UK National Poisons Information Service

Sian CD Harbon¹, John P Thompson¹, Sally M Bradberry², Euan A Sandilands³, Simon HL Thomas⁴, James M Coulson¹

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Prevention of direct oral anticoagulant prescription errors using obligatory prerequisite review by clinical pharmacists

Ophir Lavon¹, Maram Salameh², Hani Makhoul², Tal Lavi², Leah Zack²

¹Clinical Pharmacology and Toxicology Unit, Carmel Medical Center, Haifa, Israel; ²Carmel Medical Center, Haifa, Israel

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Pavia Poison Control Centre - National Toxicology Information Centre - Clinical and Experimental Lab, Toxicology Unit, Maugeri Clinical and Scientific Institutes IRCCS and University of Pavia, Pavia, Italy

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Reversible dabigatran-induced neutropenia after a single dose

Azzurra Schicchi¹, Valeria M Petrolini¹, Francesca Chiara¹, Gioacchino Cosenza², Sarah Vecchio¹, Carlo A Locatelli¹

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Erroneous administration of the dabigatran antidote idarucizumab during surgery: case report and lessons learnedOphir Lavon¹, Yamit Musai², Maayan Shainer², Sharon Alroy-Preis²¹ *Clinical Pharmacology and Toxicology Unit, Carmel Medical Center, Haifa, Israel;* ² *Carmel Medical Center, Haifa, Israel*

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*Veterinary Poisons Information Service (VPIS), London, United Kingdom***ANIMAL AND VETERINARY TOXICOLOGY**

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Tiffany Blackett, Nicola Bates

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Zoe Tizzard, Nicola Bates

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Exposure to *Ornithogalum* plants: a cause of blindness in small animals?Marieke A Dijkman¹, Sylvia Djajadiningrat-Laanen², Irma De Vries¹¹ *Dutch Poisons Information Center, University Medical Center Utrecht, Utrecht, Netherlands;* ² *Ophthalmology Section, Department of Clinical Sciences of Companion Animals, Faculty of Veterinary Medicine, Utrecht University, Utrecht, Netherlands*

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Successful management of acute kidney failure in a dog following calcipotriol ingestion

Vytautas Sabūnas¹, Jonas Šurkus², Laimutis Paulauskas¹, Vytautas Parapijonavičius¹, Lukas Grėbliauskas¹, Vytautas Siaurys¹

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5-Fluorouracil ingestion in dogs

Mark Van-De-Velde, Jesse Simpson, Nicola Bates

Veterinary Poisons Information Service (VPIS), London, United Kingdom

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Kristin Opdal Seljetun, Helga Ruus Lorentzen

Norwegian Poisons Information Centre, National Institute of Public Health, Oslo, Norway

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Kristin Opdal Seljetun, Helga Ruus Lorentzen

Norwegian Poisons Information Centre, National Institute of Public Health, Oslo, Norway

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Daniela Peldcova¹, Zdenka Fenclova², Stepanka Vlckova², Tomas Navratil³, Sergey Zakharov²

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Diffuse alveolar damage (chemical pneumonitis) after inhalation of nitrogen oxides fumes by an electroplating worker

Eduardo M De Capitani¹, Carla F Borrasca-Fernandes¹, Paula V Guimarães¹, Camila C Prado¹, Diego L Ribeiro², João C Jesus³, Bruna CMT Oliveira³, Fábio Bucaretti¹

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*Bundesinstitut für Risikobewertung, Berlin, Germany***64****Occupational lead exposure and multiple organ dysfunction: a case series**Mirela Nedelescu¹, Daniela Baconi², Miriana Stan², Anne-Marie Ciobanu²*¹Hygiene and Environmental Health Department, Faculty of Medicine, University of Medicine and Pharmacy "Carol Davila", Bucharest, Romania; ²Toxicology Department, Faculty of Pharmacy, University of Medicine and Pharmacy "Carol Davila", Bucharest, Romania***POISONS CENTRE ACTIVITIES****65****The impact of www.poisoncentre.be and social media on the number and characteristics of calls to the Belgian Poison Centre**Anne-Marie K Descamps¹, Dominique Vandijck², Martine Mostin², Walter Buylaert³, Peter De Paepe³*¹Antigifcentrum/Centre Antipoisons, Brussels, Belgium; ²Hasselt University, Hasselt, Belgium; ³Ghent University Hospital, Ghent, Belgium***66****Agomelatine-related toxicity reported to the Victorian Poisons Information Centre**Julia Lee¹, Anselm Wong²*¹Melbourne Medical School, University of Melbourne, Melbourne, Australia; ²Emergency and Toxicology, Austin Toxicology and Victorian Poisons Information Centre, Austin Health and School of Clinical Sciences, Monash University, Melbourne, Australia***67****Being Paracelsus: the toxicology educational card game**Carine J Marks, Cherylynn A Wium, Catharina E Du Plessis, Helmuth Reuter
Clinical Pharmacology, Stellenbosch University, Cape Town, South Africa

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Eleri Thomas¹, Sally M Bradberry², Euan A Sandilands³, Simon HL Thomas⁴, John P Thompson¹

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Michael G Beasley, Lucy M Shieffelbien

Department of Preventive and Social Medicine, University of Otago, Dunedin, New Zealand

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Pardeep S Jagpal¹, Mark Pucci², Euan A Sandilands³, John P Thompson⁴, Simon HL Thomas⁵, Sally M Bradberry¹

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A review of the methods and efficiency of follow-up of enquiries to the UK National Poisons Information Service (NPIS) in 2016

Hayley Williams¹, Emma Moyns¹, Mark Pucci², Euan A Sandilands³, John P Thompson⁴, Simon HL Thomas⁵, Sally M Bradberry¹

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Pavia Poison Control Centre - National Toxicology Information Centre - Clinical and Experimental Lab, Toxicology Unit, Maugeri Clinical and Scientific Institutes IRCCS and University of Pavia, Pavia, Italy

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Specialist in Poison Information (SPI)-initiated toxicology consults: trends from a regional poison centerShireen Banerji¹, Daniel Fischer², Christopher O Hoyte¹¹ Rocky Mountain Poison Center, Denver Health & Hospital Authority, Denver, United States; ² Emergency Department, Holy Cross Hospital, Chicago, United States

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Dangerous experiments with drugs against dry coughEliska Lacinova¹, Jiri Hlusicka², Lucia Neuschlova², Lucie Lischkova², Sergey Zakharov²¹ Toxicological Information Centre, General University Hospital in Prague, Charles University, Prague, Czech Republic; ² Charles University, Prague, Czech Republic

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The role of the UK National Poisons Information Service (NPIS) in the diagnosis of death in poisoned and non-poisoned patientsEmma Moyns¹, Hayley Williams¹, Mark Pucci², Euan A Sandilands³, John P Thompson⁴, Simon HL Thomas⁵, Sally M Bradberry¹¹ National Poisons Information Service (Birmingham Unit), Birmingham, United Kingdom; ² West Midlands Poisons Unit, Birmingham, United Kingdom; ³ National Poisons Information Service (Edinburgh Unit), Edinburgh, United Kingdom; ⁴ National Poisons Information Service (Cardiff Unit), Cardiff, United Kingdom; ⁵ National Poisons Information Service (Newcastle Unit), Newcastle, United Kingdom

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User experience of the TOXBASE appLindsay D Gordon¹, David J Lupton¹, Gillian Jackson¹, Richard D Adams¹, Sally M Bradberry², John P Thompson³, Simon HL Thomas⁴, Euan A Sandilands¹¹ NPIS Edinburgh, Royal Infirmary of Edinburgh, Edinburgh, United Kingdom; ² NPIS Birmingham, City Hospital, Birmingham, United Kingdom; ³ NPIS Cardiff, University Hospital Llandough, Cardiff, United Kingdom; ⁴ NPIS Newcastle, Regional Drug and Therapeutics Centre, Newcastle upon Tyne, United Kingdom

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Arianna Dilaghi¹, Brunella Occupati², Alessandra Ieri², Andrea Missanelli², Emanuela Masini³, Guido Mannaioni³, Alessandra Pistelli²

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Petroleum distillate poisoning in the UK: the National Poisons Information Service (NPIS) experienceAnnie Watt¹, Richard D Adams¹, Simon HL Thomas², John P Thompson³, Sally M Bradberry⁴, Gillian Jackson¹, Euan A Sandilands¹¹ NPIS Edinburgh, Royal Infirmary of Edinburgh, Edinburgh, United Kingdom; ² NPIS Newcastle, Regional Drug and Therapeutics Centre, Newcastle upon Tyne, United Kingdom; ³ NPIS Cardiff, University Hospital Llandough, Cardiff, United Kingdom; ⁴ NPIS Birmingham, City Hospital, Birmingham, United Kingdom

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Oral methotrexate exposure: a 15-year survey of Austrian Poisons Information Centre casesTara Arif, Susanna Dorner-Schulmeister, Kinga Bartecka-Mino
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Andrea Giampreti¹, Carlo Brembilla², Francesca Bedussi¹, Andrea Lanterna², Rosangela Trezzi³, Davide Lonati⁴, Anna Ronchi⁴, Carlo A Locatelli⁴, Claudio Bernucci², Giuseppe Bacis¹

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Samaneh Nakhaee¹, Alireza Amirabadizadeh², Homeira Ataei², Zohreh Oghabian³, Omid Mehrpour²

¹ Cardiovascular Diseases Research Center, Birjand University of Medical Sciences and Medical Toxicology and Drug Abuse Research Center (MTDRC), Birjand University of Medical Sciences, Birjand, Iran; ² Medical Toxicology and Drug Abuse Research Center (MTDRC), Birjand University of Medical Sciences, Birjand, Iran; ³ Department of Pharmacology and Toxicology, Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran

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Division of Medical Toxicology, Drexel University College of Medicine, Philadelphia, United States

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Alexander C Capleton¹, James M Coulson¹, Sally M Bradberry², Euan A Sandilands³, Simon HL Thomas⁴, John P Thompson¹

¹ NPIS (Cardiff), Cardiff and Vale UHB, Cardiff, United Kingdom; ² NPIS (Birmingham), City Hospital, Birmingham, United Kingdom; ³ NPIS (Edinburgh), Royal Infirmary, Edinburgh, United Kingdom; ⁴ NPIS (Newcastle), Regional Drug and Therapeutics Centre, Newcastle, United Kingdom

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Occupational lead poisoning – similarities and differences: two case reports

Gordana Vukovic Ercegovic¹, Natasa Perkovic Vukcevic¹, Vesna Mijatovic², Olivera Potrebic¹, Snezana R Jankovic³, Jasmina Jovic Stosic¹

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Anne Stürzebecher¹, Mandy Gollmann¹, Gesine Liebetrau¹, Maike Borchers², Wolfram Pönisch³, David Hellinger⁴, Thomas Ernst⁵, Dagmar Prasa¹

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Pierre Brun¹, Régis Bédry¹, Claire Masson-Samoyault², Estelle Sudre², Nahid Sarram-Nadjimi², Mareme Kandji², Sophie Gromb-Monnoyeur²

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Narjis Badrane¹, Naima Rhalem¹, Fouad Chafiq¹, Rhizlane Eloufir¹, Abdelmajid Soulaymani², Ghyzlaine Jalal¹, Rachida Soulaymani Bencheikh¹

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Jyotirmoy Das¹, Julie A Weber², Michael E Mullins¹

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A misuse of snakebite antidote may be life-threatening for patients: a French case of European *Vipera* species envenomation treated with ViperaTAB®Ruben Goncalves¹, Denis Dondia¹, Mohammed Es Salhi², Magali Labadie¹, Arnaud Courtois¹, Lise Capaldo¹¹ *Poison Control Center, Bordeaux, France;* ² *Emergency Department, Ussel, France*

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Adder bites in Finland: demographic data from poison centre enquiriesSuvi Pajarre-Sorsa¹, Anni Sillanpää²¹ *Poison Information Centre, HUH Emergency, Emergency Medicine and Services, University of Helsinki and Helsinki University Hospital, Helsinki, Finland;* ² *Department of Genetics & Physiology, University of Oulu, Oulu, Finland*

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Spiders bites in Italy: data collection of a Poison Control CenterAnna Celentano¹, Marco Morina², Attilio Negri², Fabrizio Sesana¹, Franca Davanzo¹¹ *Milan Poison Control Center, ASST Grande Ospedale Metropolitano Niguarda, Milan, Italy;* ² *Postgraduate School of Clinical Pharmacology and Toxicology, Milan, Italy*

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Wave biomechanotherapy for the rehabilitation of patients bitten by *Vipera berus*Yury Ostapenko¹, Amayak Badalyan², Yury Goldfarb³, Mikhail Potskhveria², Vladislav Shcetkin², Elena Chukina²¹ *Research and Applied Toxicology Center of Medical and Biological Agency, Moscow, Russian Federation;* ² *Sklifosovsky Research Institute for Emergency Medicine, Public Healthcare Institution of Moscow Healthcare Department, Moscow, Russian Federation;* ³ *Russian Medical Academy of Postgraduate Education, Federal Public Educational Institution of Additional Professional Postgraduate Education of Russian Federation Healthcare Ministry, Moscow, Russian Federation*

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Asymptomatic pulmonary hemorrhage on chest computed tomography (CT) after *Bothrops* species snakebiteEduardo M De Capitani¹, Carla F Borrasca-Fernandes¹, Camila C Prado¹, Elza Maria FP Cerqueira², Fábio Bucarechi¹¹ *Campinas Poison Control Center, School of Medicine, University of Campinas, São Paulo, Brazil;* ² *Computed Tomography Division, CDE - Center for Diagnosis by Images, Campinas, São Paulo, Brazil*

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***Naja mossaambica* snakebite in Kentucky**Jeremiah Phelps¹, Regan Baum², Peter Akpunonu¹¹ *Emergency Medicine, University of Kentucky Healthcare, Lexington, United States;* ² *Pharmacy Services - Emergency Medicine, University of Kentucky Healthcare, Lexington, United States*

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Microangiopathic hemolytic anemia and acute kidney injury following *Bothrops jararaca* snakebite

Fábio Bucarechi¹, Maira MB Pimenta¹, Camila C Prado¹, Carla F Borrasca-Fernandes¹, Kleber M Fertrin², Eduardo M De Capitani¹, Stephen Hyslop¹

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Dominique Vodovar¹, Camille Lagard¹, Lucie Chevillard¹, Jacques Callebert², Hao Liang¹, Patricia Risède¹, Nicolas Tournier³, Bruno Mégarbane¹

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Deborah Rudin¹, Manuel Haschke², Stephan Krähenbühl³

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Emergency Clinical Hospital for Children Grigore Alexandrescu, Bucharest, Romania

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¹Emergency Medicine, Denver Health Medical Center, Denver, United States; ²Section of Medical Toxicology, Department of Emergency Medicine, University of Colorado School of Medicine; On behalf of the Toxicology Investigators Consortium (ToxIC), Aurora, United States

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¹ Emergency Medicine, Washington University School of Medicine, Saint Louis, United States; ² Clinical Pharmacology and Toxicology, Arkansas Children's Hospital, Little Rock, United States

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¹ Clinical Pharmacology & Toxicology, Western Sydney Health, Sydney, Australia; ² NHMRC Clinical Trials Centre, University of Sydney, Sydney, Australia

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¹ Division of Medical Toxicology, Ronald O. Perelman Department of Emergency Medicine, NYU School of Medicine, New York, United States; ² Poison Control Center, NYU School of Medicine, New York, United States

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¹ Upstate NY Poison Center, Syracuse, United States; ² Emergency Department, Upstate NY Poison Center, Syracuse, United States

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Carina Bethlehem¹, Minke Jongsma², Jennifer A Korporaal-Heijman², Jan Peter Yska³

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Swedish Poisons Information Centre, Stockholm, Sweden

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Clinical Toxicology Research Group, University of Newcastle, Newcastle, Australia

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¹ Office of Medical Toxicology, Department of Emergency Medicine, University of Alabama Birmingham, Birmingham, United States; ² Department of Emergency Medicine, University of Alabama Birmingham, Birmingham, United States; ³ Department of Pharmacy, University of Alabama Birmingham, Birmingham, United States

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¹ General Medicine, Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom; ² Clinical Toxicology, Guy's and St Thomas' NHS Foundation Trust; Faculty of Life Sciences and Medicine, King's College London, London, United Kingdom

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¹ Forensic Medicine and Toxicology, Faculty of Medicine, Department of Internal Medicine, Ardabil University of Medical Sciences, Ardabil, Iran; ² Cardiovascular Diseases Research Center, Birjand University of Medical Sciences, and Medical Toxicology and Drug Abuse Research Center (MTDRC), Birjand University of Medical Sciences, Birjand, Iran; ³ Medical Toxicology and Drug Abuse Research Center (MTDRC), Birjand University of Medical Sciences, Birjand, Iran

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Andrea Giampreti¹, Francesca Mattioli², Lorella Faraoni¹, Francesca Bedussi¹, Caterina Spada³, Mariapina Gallo¹, Georgios Eleftheriou¹, Raffaella Butera¹, Giuseppe Bacis¹
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Elie Harmouche¹, Douglas Isaacs², Mark Su³
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¹ Poison and Drug Information Service, Alberta Health Services, Calgary, Canada; ² Poison and Drug Information System, Alberta Health Services, Calgary, Canada; ³ Emergency Medicine, Alberta Health Services, Calgary, Canada

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An outbreak of foodborne botulism in Rome, Italy

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Food-borne botulism, initially mistaken for plant intoxication

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A unique case report of a family exposed to amatoxin from foraged mushrooms including a breast-feeding mother and infant

Stephanie Hernandez¹, Joseph Rella², David Warren³, Joshua Nogar⁴, Rachel Shively⁴
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Amanita phalloides poisoning: effectiveness of timely administration of antidotes

Apostolos Foutris, Angeliki Kalostou, Eleni Basanou, Kostas Fountas, Vassiliki Sofidiotou, Vassiliki Touloupaki, Polyxeni Neou
Greek Poison Centre, "P & A Kyriakou" Children's Hospital, Athens, Greece

* Included in poster round 13:30 to 14:00 hrs

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Cyanogenic glycoside ingestions: A review of enquiries received by the UK National Poisons Information Service (NPIS), 2008-2016Rachel H Jonas¹, Sally M Bradberry², Euan A Sandilands³, Simon HL Thomas⁴, John P Thompson¹¹ NPIS (Cardiff), Cardiff and Vale UHB, Cardiff, United Kingdom; ² NPIS (Birmingham), City Hospital, Birmingham, United Kingdom; ³ NPIS (Edinburgh), Royal Infirmary, Edinburgh, United Kingdom; ⁴ NPIS (Newcastle), Regional Drug and Therapeutics Centre, Newcastle, United Kingdom

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Acute hepatitis following valerian root ingestionPatrick Tomeny¹, Justin Arnold², Neha Reddy³, William Rushton²¹ Department of Emergency Medicine, University of Alabama Birmingham, Birmingham, United States; ² Office of Medical Toxicology, Department of Emergency Medicine, University of Alabama Birmingham, Birmingham, United States; ³ Department of Medicine, University of Alabama Birmingham, Birmingham, United States

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Neurotoxic shellfish poisoning from the consumption of contaminated conch

Gilbert P Smith, Alfred Aleguas

Florida Poison Information Center-Tampa, Tampa General Hospital, Tampa, United States

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A new case of flagellate dermatitis after ingestion of shiitake mushrooms with general symptoms and pustulosis

Katharina Von Fabeck, Audrey Boulamery, Romain Torrents, Bastien Domangé, Mathieu Glaizal, Luc De Haro, Nicolas Simon

APHM, Hôpitaux Sud, Pharmacologie Clinique CAP-TV, Marseille, France

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Amatoxin poisoning: a 30-year retrospective analysis and evaluation of 153 patientsCecilia Baccaro¹, Francesco Gambassi¹, Alessandra Ieri¹, Cecilia Lanzi¹, Guido Mannaioni^{1,2}, Andrea Missanelli¹, Brunella Occupati¹, Emanuela Masini^{1,2}¹ Medical Toxicology Unit-Poisons Control Center, Azienda Ospedaliero Universitaria Careggi, Florence, Italy; ² Department of Neurosciences, Psychology, Drug Research and Child Health, University of Florence, Florence, Italy

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A significant portion of moderate to severe courses after ingestion of mushrooms is caused by inadequately stored or prepared edible mushrooms

Uwe Stedtler, Maren Hermanns-Clausen

Poisons Centre, Center for Pediatrics, Medical Center – University of Freiburg, Freiburg, Germany

* Included in poster round 13:30 to 14:00 hrs

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Regional ileitis as a non-specific symptom of *Boletus* species poisoning

Ruben Goncalves¹, Françoise Giraud¹, Laurie Cordier², Olivier Ely³, Magali Labadie¹

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Accidental fatal poisoning with *Colchicum autumnale* due to mistaken identification: a case report

Ruth Katanje, Aet Variksoo

Poison Information Centre, Tallinn, Estonia

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Rhabdomyolysis associated with mushroom poisoning: clinical characteristics and outcomes

Satariya Trakulsrichai^{1,2}, Peerawich Jeeratheepatanont¹, Sunun Wongvisavakorn², Charuwan Sriapha², Achara Tongpoo², Umaporn Udomsubpayakul³, Winai Wananukul^{2,4}

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38th CONGRESS OF THE EUROPEAN ASSOCIATION OF POISONS CENTRES AND CLINICAL TOXICOLOGISTS

22-25 MAY
2018
BUCHAREST

Time	TUESDAY 22 MAY		Time	WEDNESDAY 23 MAY		Time	THURSDAY 24 MAY		Time	FRIDAY 25 MAY	
	PRE-CONGRESS			MAIN CONGRESS			MAIN CONGRESS			MAIN CONGRESS	
08:00-09:00	Registration (open all day)		07:30-08:55	Registration (open all day)		08:00-09:00	Registration (open all day)		08:30-09:00	Registration (open all day)	
			08:55-10:00	Louis Poche Lecture		09:00-09:45	Plenary Lecture How clinical toxicologists contribute to addressing NPS in Europe		09:00-10:30	Young Investigator Award	
			10:00-10:40	Guidelines and Systematic Reviews Symposium		09:50-10:30	New Psychoactive Substances (NPS) Orals and Short Orals		10:30-11:00	Novel Oral Anticoagulants 14min Symposium	
			10:40-11:20	Coffee & Authors with Posters		10:30-11:10	Coffee & Authors with Posters		10:30-11:10	Coffee & Authors with Posters	
			11:20-12:30	Guidelines and Systematic Reviews Symposium - Pro/Con Debate on QT		11:30-12:30	New Psychoactive Substances (NPS) Orals and Short Orals - continued		11:10-12:30	Inter-individual Variability in the Poisoned Patient Symposium	
			12:30-13:30	Lunch		12:30-13:30	Lunch		12:30-13:30	Lunch	
			13:30-14:00	Authors with Posters and Poster Round		13:30-14:00	Authors with Posters and Poster Round		13:30-14:00	Authors with Posters and Poster Round	
			14:00-15:00	Poisons Centre Data Collection Symposium		14:00-15:00	Drug-induced Organ Failure Symposium		14:00-15:00	Inter-individual Variability in the Poisoned Patient Symposium - continued	
			15:00-15:45	Coffee & Authors with Posters		15:00-15:40	Coffee & Authors with Posters		15:00-15:45	Coffee & Authors with Posters	
			15:45-17:00	Poisons Centre Data Collection Symposium - continued		15:40-16:45	Drug-induced Organ Failure Symposium - continued		15:45-16:30	Oral Platform and Short Oral Presentations	
				Oral Platform Presentations			Oral Platform and Short Oral Presentations			Oral Platform and Short Oral Presentations	
				Evening		17:15-18:30	General Assembly			Evening	
				Welcome Reception at Cotroceni Palace						Conference Dinner at Royal Palace of Bucharest	
Chemical and Biological Weapons (CBRN) - an update for the Clinical Toxicologist											