33rd Conference of ENTIS
8th-10th September 2022
BERGAMO, ITALY
Poison Control Center and Teratology Information Service
CENTRO CONGRESSI “GIOVANNI XXIII”

With the collaboration of
Wednesday, 7 September

16.00 – 18.30  Board, Scientific and Website Committee Meetings

Thursday, 8 September

08.00 – 09.30  Registration

TRAINING IN TERATOLOGY
Chair: Orna Diav-Citrin

09.30 – 09.55  The teratogenic risk of caffeine in pregnancy  M. Gallo (20+5 min)
09.55 – 10.20  Risk communication and scientific misinformation  A. Clavenna (20+5min)
10.20 – 10.45  Cobalt exposure due to metal-on-metal hip prosthesis in pregnancy: toxicological risks  A. Giampreti (20+5min)

10.45 – 11.00  Coffee Break

TRAINING IN TERATOLOGY
Chair: Wolfgang Paulus & Maria Elfolk

11.00 – 11.25  Hyperpyrexia as a major teratogen: COVID-19 vaccine implications  S. Obićan (20+5 min)
11.25 – 12.00  Free Discussions

12.00 – 13.30  Lunch

ENTIS BUSINESS MEETING
Chair: Orna Diav-Citrin & Sally Stephens

13.30 – 15.30  ENTIS business meeting

15.30 – 16.00  Coffee Break

MEETING OPENING

16.00 – 16.05  Welcome greetings from ENTIS - Official opening  Orna Diav-Citrin
16.05 – 16.10  Welcome greetings from Bergamo TIS  G. Bacis

SESSION 1  COVID-19 IN PREGNANCY
Chair: Marco De Santis & Yusuf Cem Kaplan

16.10 – 16.35  Pregnancy and COVID-19  L. Patanè (20+5 min)
16.35 – 17.00  COVID-19 vaccines and pregnancy  S. Pirola (20+ 5 min)
17.00 – 17.25  Breastfeeding and COVID-19  R. Davanzo (20+5 min)
17.25 – 18.00  Vaccine uptake among pregnant women: lessons learned and future challenges  B. Cleary (20 min + 15 discussion)

End of the first day meeting
**SESSION 2A  CURRENT CONTROVERSIAL ISSUES ON DRUGS IN PREGNANCY**  
*Chair: Jorgos Eleftheriou & Per Damkier*

09.00 – 09.25  Introduction to current controversies in teratology: some myths revisited  *O. Diav-Citrin (20+5 min)*
09.25 – 09.50  Acetaminophen use in pregnancy and ASD & ADHD  *Y.C. Kaplan (20+10 min)*
09.50 – 10.15  Reprotoxic effects of drugs: differences and similarities between clinical and regulatory approaches  *R. Butera (20+5)*
10.15 – 10.40  Flu and Tdap maternal immunization  *A. Cavaliere (20+5 min)*

10.40 – 11.15  **Coffee Break, networking and Poster visit**

**SESSION 2B  CURRENT CONTROVERSIAL ISSUES ON DRUGS IN PREGNANCY**  
*Chair: Thierry Vial & Mehmet Zafer Gören*

11.15 – 11.40  Ondansetron in pregnancy  *P. Damkier (20+5min)*
11.40 – 12.05  New pharmacological treatment of opiate addiction in pregnant women  *L. Somaini (20+5min)*
12.05 – 12.30  NSAID treatment in pregnancy: Risk estimation in the 1st and 2nd/3rd trimester  *K. Dathe (20+5min)*
12.30 – 13.15  Panel Discussion on the role of ENTIS in the public debate on controversies of drugs in pregnancy  *(Panel: Board and SC Members, 45 min)*

13.15 – 14.30  **Lunch, networking**

**SESSION 2C  CURRENT CONTROVERSIAL ISSUES ON DRUGS IN PREGNANCY**  
*Chair: Herbert Juch & Lucie Heringová*

14.30 – 15.00  Disease activity assessment of rheumatic diseases and treatment in pregnancy  *S. Breda, V. Ramoni (20+5min)*

**FREE COMMUNICATIONS (10+5 min discussion)**

15.00 – 15.15  Development and validation of a machine-learning algorithm to predict the relevance of scientific articles in teratology  *Loes C de Vries*
15.15 – 15.30  Potential Sources of Bias in the Analysis of COVID-19 Vaccine Safety during Pregnancy: How the Embryotox study plans to avoid them by design and analysis methods.  *Regina Stegherr*
15.30 – 15.45  COVID-19 mRNA vaccine in pregnancy: results of the Swiss COVI-PREG registry  *Guillaume Favre*
15.45 – 16.00  An overview of the UK COVID-19 Antivirals Pregnancy Registry  *Jonathan Richardson*
16.00 – 16.15  Risk of Miscarriage Following Exposure to NSAIDs During Early Pregnancy: A Systematic Review and Meta-Analysis  *Maya Berlin*
16.15 – 16.30  Sildenafil and bosentan quantification in human milk: a case report from the ConcePTION project  *Michael Ceulemans*

**FRIDAY NIGHT: ENTIS DINNER**

20.00 – 23.30  Taverna dndd
**SESSION 3  PSYCHOTROPIC DRUGS IN PREGNANCY AND BREASTFEEDING**

*Chair: Matitiahu Berkovitch & Stephanie Padberg*

- 09.00 – 09.25  Antipsychotics in pregnancy: balancing between risks of untreated illness and risks of drug-related adverse effects  
  **U. Albert** (20+5min)
- 09.25 – 09.50  Long-Acting Injectable Antipsychotics use in pregnancy. The Papa Giovanni XXIII Hospital experience  
  **E. Bondi, C. Palumbo** (20+5min)
- 09.50 – 10.15  The pharmacokinetics of antidepressant drugs in breastfeeding  
  **D. Cattaneo** (20+5min)
- 10.15 – 10.40  Neonatal abstinence syndrome: laboratory findings  
  **A. Valli** (20+5min)
- 10.40 – 11.00  The pathophysiology of neonatal abstinence syndrome due to SSRI  
  **C. Chambers** (20+5 min)
- 11.00 – 11.20  Panel Discussion

**11.20 – 12.00  Coffee Break and Poster visit**

**SESSION 4  FREE COMMUNICATIONS AND DEBATES**

*Chair: Ursula Winterfeld & Matteo Cassina*

- 12.00 – 13.00  FREE COMMUNICATIONS (10+5 min discussion)
  - 12.00 – 12.15  Anti-seizure medication use during pregnancy, trends over time and individual treatment pattern: An Evaluation of the German Embryotox Cohort.  
  **Maria Hoeltzenbein**
  - 12.15 – 12.30  Neonatal morbidity after fetal exposure to antipsychotics - a national register-based study.  
  **Essi Heinonen**
  **Siham Shweiki**
  **Kim Dao**

- 13.00 – 13.30  Brief status from the ConCEPTION project and video demonstration

**13.30 CLOSURE**
POSTER PRESENTATIONS

1. Development of a process for collaborative management of the IMI ConcepTION Knowledge Bank - Alison Olivier
2. Which elements do we include, and how do we present them, in answers on use of medications during breastfeeding? A descriptive pilot study - Tina Bakkebo
3. Use of Prescribed Drugs to Treat Chronic Diseases during Pregnancy in Outpatient Care in Switzerland between 2014 and 2018: Descriptive Analysis of Swiss Health Care Claims Data - Eva Gerbier
4. Mental health of pregnant and postpartum women during the third wave of the Covid-19 pandemic. A European cross-sectional study - Fatima Tauqeer
5. Open issues in management of carbon monoxide poisoning in pregnancy: practical suggestions - Georgios Eleftheriou
6. Can topical NSAIDs be used by pregnant women in the third trimester? - Gro C Havnen
7. Why did the Magdalena study- an RCT on the effects on infants born to women with treatment of depression in pregnant women- fail? - Katarina Wide
8. Neonatal outcome and adherence to drug therapy in bronchial asthma in pregnancy - Cecilia Lanzi
9. Feasibility assessment and validation of the prototype of the Belgian data registration system on medication use during pregnancy and mother-infant outcomes (’BELpREG’) - Laure Sillis
10. Experiences and perspectives of pharmaceutical industry towards the monitoring of medication safety during pregnancy: a qualitative analysis on a pan-European level - Laure Sillis
11. Information needs and preferences of pharmacy staff regarding safe compounding of medicines during pregnancy and lactation: results from a cross-sectional survey in Belgium - Laure Sillis
12. Psychomotor development of children exposed to Ondansetron during pregnancy: a prospective cohort study - Maya Berlin
13. Neurodevelopmental outcome of children exposed to Selective Serotonin Reuptake inhibitors (SSRIs) or Attention Deficit Hyperactivity Disorder (ADHD) stimulant medications during pregnancy - Maya Berlin
15. Outcomes of 5-Nitroimidazoles Exposure in Pregnancy - Mine Kadioglu Duman
18. Renal pathologies and mesalazine use in pregnancy - M. Zafer Gören
19. Bilateral renal agenesis following in utero first trimester exposure to gadobutrol - Ksenia Zagorodnikova
20. Evolution of the national guidelines on the medicines used to treat COVID-19 in pregnancy: a historical review - Emeline Maisonneuve
ENTIS MEETINGS

1990 Milan
1991 Lausanne  1992 Lyon
1993 Bilthoven  1994 Heraklion
1995 Paris     1996 Linz
1997 Newcastle-Upon-Tyne
1998 Rome
1999 Madrid   2000 Jerusalem
2001 Berlin   2002 Padova
2003 Elsinore
2004 Prague   2005 Haarlem
2006 Abano Terme
2007 Helsinki
2008 Edinburgh 2009 Florence
2010 Barcelona
2011 Jerusalem
2012 Linz     2013 Amsterdam
2014 Toronto
2015 Berlin   2016 Budapest
2017 Prague
2018 Newcastle Upon Tyne
2019 Oslo
2020 Virtual  2021 Virtual
2022 Bergamo
SPEAKERS

Albert Umberto
Department of Medicine, Surgery and Health Sciences, UCO Psychiatric Clinic, University of Trieste, Italy

Breda Silvia
Department of Internal Medicine, ASST Papa Giovanni XXIII Hospital, Bergamo

Butera Raffaella
Toxicon, Pavia

Caplan Yusuf Cem
Independent Researcher, Berlin

Cattaneo Dario
Unit of Clinical Pharmacology, Fatebenefratelli Sacco University Hospital, Milan

Cavaliere Anna Franca
Unit of Obstetrics and Gynecology, Santo Stefano Hospital, AUSL Toscana Centro, Prato and Sacro Cuore Catholic University, Rome

Chambers Christina
Department of Pediatrics and Center for Better Beginnings, Associate Director, Altman Clinical & Translational Research Institute, San Diego

Clavenna Antonio
Unit of Pharmacoepidemiology and Laboratory for Mother and Child Health, Department of Public Health, IRCCS Mario Negri Institute, Milan

Cleary Brian
Rotunda Hospital, Dublin and School of Pharmacy, Royal College of Surgeons Ireland, Dublin.

Damkier Per
Research Department of Clinical Pharmacology, Odense University Hospital, Institute of Clinical Research University of S. Denmark

Dathe Katarina
Pharmacovigilance Institute for Embryotoxicology, Institute of Clinical Pharmacology and Toxicology, Charité University of Medicine, Berlin

Davanzo Riccardo
Institute for Maternal and Child Health - IRCCS Burlo Garofolo, Trieste, President of the Task Force on Breastfeeding, Ministry of Health, Rome

Diav Citrin Orna
School of Pharmacy, Faculty of Medicine, The Hebrew University of Jerusalem, Jerusalem

Gallo Mariapina
UOSD Poison Control Center and Teratology Information Service, ASST Papa Giovanni XXIII Hospital, Bergamo

Giampreti Andrea
UOSD Poison Control Center and Teratology Information Service, ASST Papa Giovanni XXIII Hospital, Bergamo

Obićan Sarah
Division Director of Maternal-Fetal Medicine, President MotherToBaby FL, Department of Obstetrics and Gynecology Morsani College of Medicine, University of South Florida

Palumbo Claudia
Department of Psychiatry, ASST Papa Giovanni XXIII Hospital, Bergamo

Patanè Luisa
UO Obstetrics and Gynecology, ASST Papa Giovanni XXIII Hospital, Bergamo

Pirola Serena
UO Obstetrics and Gynecology, ASST Papa Giovanni XXIII Hospital, Bergamo

Ramoni Veronica
Unit of Rheumatology, IRCCS Policlinico San Matteo Foundation, Pavia

Somaini Lorenzo
Addiction Treatment Centre, Local Health Unit SERT Cossato, Biella

Valli Antonella
Laboratory of Clinic and Analytic Toxicology, IRCCS Policlinico San Matteo, Pavia
SPEAKERS  FREE COMMUNICATIONS

Maria Hoeltzenbein - Clinical Pharmacology and Toxicology, Berlin
Essi Heinonen - Karolinska University Hospital, Stockholm
Siham Shweiki - Israeli Teratology Information Service, Jerusalem
Kim Dao - Clinical Pharmacology, Lausanne
Loes C de Vries - Lareb Teratology Information Service - Hertogenbosch
Regina Stegherr - Institute of Statistics, Ulm University, Ulm
Guillaume Favre - Department Woman-Mother-Child, Lausanne
Jonathan Richardson - UK Teratology Information Service, Newcastle upon Tyne
Maya Berlin - Institute for Drug Research, Hebrew University of Jerusalem
Michael Ceulemans - Child & Youth Institute, Leuven

CONFERENCE LOCATION
Centro Congressi Giovanni XXIII
Viale Papa Giovanni XXIII, 106
24121 Bergamo

REGISTRATION FOR THE CONGRESS
Information is available on the ENTIS website

POSTERS
Information on poster size and orientation is available on the ENTIS website

DEADLINE DATES
Registration opens 1 April, 2022

Registration at special rates
1 April - 31 May 2022 (€ 300)

Registration at normal rates
1 June - 31 July 2022 (€ 355)

Registration 1 August to 25 August, the Congress Center can accept any registration, asking before by email and paying by bank transfer

Registration on congress site
7-9 September 2022 (€ 400)

One day Registration
1 April - 9 September 2022 (€ 150)

ENTIS DINNER
Included for registered participants
Accompanying person and one day registration (€ 65)

CONTACT
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Cancelation notice should be sent to ENTIS organizers, and should provide the proof of payment.
§ Any cancellation will be charged a 50€ handling fee.
§ If cancellation occurs before May 31th (end of early registration 300 euro) for any reason, refund will be of 100% of the paid fee (after subtracting the handling fees).
§ If cancellation occurs from June 1st to July 31 (end of regular registration 355 euro) for any reason, refund will be of 50% of the paid fee (after subtracting the handling fees).

COVID CANCELLATION:
In case of Government Authorities prohibit the holding of face to face events due to Covid restrictions, the total amount of registration fee will be refunded to the participant by bank transfer (after subtracting the handling fees)

In collaboration with
EUROPEAN NETWORK OF TERATOLOGY INFORMATION SERVICES

ITALIAN SOCIETY OF PSYCHIATRY
ITALIAN SOCIETY OF GYNECOLOGY AND OBSTETRICS

ITALIAN SOCIETY OF TOXICOLOGY
ITALIAN SOCIETY OF NEONATOLOGY