ECIC 2015 – 2nd European Congress on Intrapartum Care
Making birth safer
Porto, Centro de Congressos da Alfândega, 21-23 May 2015

Organizing Institutions
Working Group on Intrapartum Monitoring
European Association of Perinatal Medicine
European Midwives Association

with the support of the
FSPOG - Federation of Portuguese Societies of Obstetrics and Gynecology
SPOMMF - Portuguese Society of Obstetrics and Maternal-Fetal Medicine
APEO - Portuguese Association of Obstetric Nurses

Presidents
Sabaratnam Arulkumaran (UK)
Gerard Visser (Netherlands)
Frances Day-Stirk (UK)

Scientific Committee
Chair: Diogo Ayres-de-Campos (Portugal)
Co-chair: Mervi Jokinen (UK)
Susanna Timonen (Finland)
Zarco Alfirevic (UK)
Christophe Vayssière (France)
Austin Ugwumadu (UK)
Tullia Todros (Italy)
Anneke Kwee (Netherlands)
Eva Matintupa (Finland)

Local organizing Committee
Chair: João Bernardes (Portugal)
Rosália Marques (Portugal)
Inês Nunes (Portugal)

Congress Organizer
MCA Events
Thursday, 21st May 2015

*(TBC depends on the number of attendees)* - Arrabida Hall

<table>
<thead>
<tr>
<th>09:00-12:00</th>
<th>EAPM Study Group on Intrapartum Fetal Monitoring meeting <em>(by invitation)</em></th>
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<tbody>
<tr>
<td></td>
<td>Chairs: Anneke Kwee (NL), Susanna Timonen (FI)</td>
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**PRE-CONGRESS COURSES** *(maximum 200 participants)*

**Infante Hall**

<table>
<thead>
<tr>
<th>14:00-19:00</th>
<th>FIGO intrapartum fetal monitoring course</th>
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<tbody>
<tr>
<td></td>
<td>Coordinators: Sabaratnam Arulkumaran (UK), Diogo Ayres-de-Campos (Portugal)</td>
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<tr>
<td>14:00-14:10</td>
<td>Introduction  Sabaratnam Arulkumaran (UK)</td>
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<tr>
<td>14:10-14:40</td>
<td>Pathophysiology of fetal oxygenation during labour  Diogo Ayres-de-Campos (Portugal)</td>
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<tr>
<td>14:40-15:00</td>
<td>Intermittent auscultation  Debrah Lewis (USA)</td>
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<td>15:00-15:30</td>
<td>Cardiotocography  Edwin Chandrharan (UK)</td>
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<td>15:30-16:00</td>
<td>Adjunct technologies  Gerard Visser (Netherlands)</td>
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<tr>
<th>16:00-16:30</th>
<th>COFFEE BREAK</th>
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**Infante Hall**

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<thead>
<tr>
<th>16:30-19:00</th>
<th>Shared experience 1  Austin Ugwumadu (UK), Cristophe Vayssière (France)</th>
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**D. Luis Hall**

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<thead>
<tr>
<th>16:30-19:00</th>
<th>Shared experience 2  Isis Amer-Wahlin (Sweden), Tullia Todros (Italy)</th>
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**Arrabida Hall**

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<tr>
<th>16:30-19:00</th>
<th>Shared experience 3  Branka Yli (Norway), Susanna Timonen (Finland)</th>
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**Porto Hall**

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<tr>
<th>16:30-19:00</th>
<th>Shared experience 4  Anneke Kwee (Netherlands), João Bernardes (Portugal)</th>
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**D. Maria Hall**

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<tr>
<th>14:00-19:00</th>
<th>The ten group classification (cesarean section) workshop</th>
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<tbody>
<tr>
<td></td>
<td>Michael Robson (Ireland) <em>(maximum 50 participants)</em></td>
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## Hands-on Training Sessions

**S. Joao Hall**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Faculty</th>
<th>Max Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00-19:00</td>
<td>Managing of Obstetric Emergencies</td>
<td>Tim Draycott (UK), Kathy Winter (UK)</td>
<td>24</td>
</tr>
</tbody>
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**Miragaia Hall**

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<tr>
<th>Time</th>
<th>Session</th>
<th>Faculty</th>
<th>Max Participants</th>
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<tbody>
<tr>
<td>14:00-19:00</td>
<td>Training of Vacuum and Forceps</td>
<td>Didier Riethmuller (France), Olivier Dupuis (France), Bianca Masturzo (Italy)</td>
<td>24</td>
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**Piquet Hall**

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<tr>
<th>Time</th>
<th>Session</th>
<th>Faculty</th>
<th>Max Participants</th>
</tr>
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<tbody>
<tr>
<td>14:00-19:00</td>
<td>Repair of 3rd and 4th degree tears</td>
<td>Elham Baghestan (Norway), Susana Santo (Portugal)</td>
<td>14</td>
</tr>
</tbody>
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Friday, 22nd May 2015

**Arquivo Hall**

**08:15-08:30 WELCOME**

Sabaratnam Arulkumaran (UK), Gerard Visser (Netherlands), Frances Day-Stirk (UK), Diogo Ayres-de-Campos (Portugal), Mervi Jokinen (UK), João Bernardes (Portugal)

**Arquivo Hall**

**08:30-10:15 SESSION 1  Factors influencing normal delivery rates**

Chairpersons: Frances Day-Stirk (UK), Dolores Sardo (Portugal)

- **08:30-08:55** Does support in labour make a difference? Mary Ross-Davie (UK)
- **08:55-09:20** Maternal position for rotation of occiput posterior position Camile Le Ray (France)
- **09:20-09:45** Reviving vaginal breech delivery Frank Louwen (Germany)
- **09:45-10:00** WORK-RELATED ADVERSE EVENTS LEAVING THEIR MARK: A SURVEY AMONG DUTCH GYNAECOLOGISTS M. Baas 1, R. Evers 2, C. Straamrood 3, M. van Pampus 4
  1 Department of Gynaecology & Obstetrics, OLVG, Amsterdam, The Netherlands
  2 Midwife, Talmon training and coaching in health care
  3 Department of Obstetrics/Gynaecology, UMC Utrecht, Utrecht, The Netherlands
  4 Department of Gynaecology & Obstetrics, OLVG, Amsterdam, The Netherlands

- **10:00-10:15** A new treatment of labor dystocia 1)E Wiberg-Itzel, 2) H Åkerud
  1) Karolinska Institutet, South Hospital of Stockholm, Sweden, 2) Uppsala University, Akademiska Hospital, Uppsala, Sweden.

**Arquivo Hall**

**08:15-10:45 COFFEE BREAK**

**Arquivo Hall**

**10:45-12:30 SESSION 2  Induction and augmentation of labour**

Chairpersons: Branka Yli (Norway), Pedro Tiago Silva (Portugal)

- **10:45-11:10** Labour induction - medical or mechanical, hospital or home? Zarko Alfirevic (UK)
- **11:10-11:35** Does labour induction increase cesarean section rates? Michael Robson (Ireland)
- **11:35-12:00** Restrictive use of labour augmentation Torbjorn Eggebo (Norway)
- **12:00-12:15** THE ROLE OF MATERNAL PHYSICAL EXERCISE ON SPONTANEOUS LABOR ONSET – A RANDOMIZED CLINICAL TRIAL I. Barros Pereira 1; R. Silva 2; N. Clode 3; L. Mendes Graça 4
  1, 2, 3, 4 - Clínica Universitária de Ginecologia e Obstetrícia, CHLN - Hospital Universitário de Santa Maria, Faculdade de Medicina de Lisboa, CAM - Centro Académico de Medicina de Lisboa, Lisbon, Portugal

- **12:15-12:30** Mechanical vs. pharmacological methods for labour induction: Impact on pain perception and satisfaction P. Pečlin MD1, M. Druškovič MD1, I. Verdenik PhD2, G. Kavšek MD1
  1 Department of Perinatology, Division of Gynaecology and Obstetrics, University Medical Center Ljubljana, Šljajmerjeva ulica 3, 1525 Ljubljana, Slovenia
  2 Research Unit, Division of Gynaecology and Obstetrics, University Medical Center Ljubljana, Šljajmerjeva ulica 3, 1525 Ljubljana, Slovenia

**Arquivo Hall**

**12:30-13:00 KEYNOTE LECTURE 1**

Chairpersons: Mervi Jokinen (UK), Vitor Varela (Portugal)

**The concept of mother-friendly and baby-friendly hospitals** Frances Day-Stirk (UK)

**Arquivo Hall**

**13:15-14:15 LUNCH**
### 14:30-16:15 SESSION 3 Intrapartum fetal monitoring

**Chairpersons:** Luis Graça (Portugal), Susanna Timonen (Finland)

**14:30-14:55 CTG+ST - a reappraisal of the evidence**  
*Per Olofsson (Sweden)*

**14:55-15:20 Intrapartum monitoring in high-risk situations**  
*Austin Ugwumadu (UK)*

**15:20-15:45 Amioinfusion in labour**  
*Alberto Puertas (Spain)*

**15:45-16:00 FM-ALERT: a randomized clinical trial of intrapartum fetal monitoring with computer analysis and alerts versus previously available monitoring.**  
*I. Nunes 1, D. Ayres-de-Campos 1, A. Ugwumadu 2, P. Amin 3, P. Banfield 4, A. Nicoll 5, S. Cunningham 6, C. Costa-Santos 7, J. Bernardes 1, for the FM-ALERT study group*

1. Department of Obstetrics and Gynecology – School of Medicine, S. Joao Hospital, University of Porto; Instituto de Investigação e Inovação em Saúde – INEB: Institute of Biomedical Engineering, University of Porto, Porto, Portugal 2 Department of Obstetrics and Gynaecology, St George’s Hospital and University of London, London, UK 3 Department of Obstetrics and Gynaecology, University Hospital of Wales, Cardiff, Wales, UK 4 Department of Obstetrics and Gynaecology, Ninewells Hospital, Dundee, Scotland, UK 5 Department of Obstetrics and Gynaecology, Leighton Hospital, Mid Cheshire Hospitals, Crewe, Cheshire, UK 6 Department of Health Information and Decision Sciences, School of Medicine, University of Porto, Porto, Portugal

**16:00-16:15 FETAL ECG (STAN): HOW RELIABLE IS IT? SENSITIVITY, SPECIFICITY AND POSITIVE AND NEGATIVE PREDICTIVE VALUES FOR NEONATAL ACIDOSIS**  
*A. Wijemanne 1; E. Chandraharan 2; A. Archer 3; V. Lowe 4; S Arulkumaran 5*

1. Department of Obstetrics and Gynaecology, St George’s Hospital, London, United Kingdom 2. Department of Obstetrics and Gynaecology, St George’s Hospital, London, United Kingdom 3. Department of Obstetrics and Gynaecology, St George’s Hospital, London, United Kingdom 4. Department of Obstetrics and Gynaecology, St George’s Hospital, London, United Kingdom 5. Department of Obstetrics and Gynaecology, St George’s Hospital, London, United Kingdom

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### 16:15-17:30 SELECTED POSTER PRESENTATIONS (15 posters: 2 min presentation + 2 min discussion)

**Chairpersons:** Isis Amer-Wahlin (Sweden), Gerard Visser (Netherlands), Mervi Jokinen (UK)

1. **SEVERE AND FATAL OBSTETRIC INJURY CLAIMS IN RELATION TO LABOUR UNIT VOLUME IN DENMARK**  
*M Milland 1, KL Mikkelsen 2, JK Christoffersen 3, M Hedegaard 4*

1,4 Department of Obstetrics, Rigshospitalet, Copenhagen University Hospital, Copenhagen, Denmark 2,3 Danish Patient Compensation Association, Copenhagen, Denmark

2. **Assessment of obstetric-teams’ non-technical skills in the management of postpartum hemorrhage using actual care video recordings**  
*N. Snaphaan (1), M. Woiski (1), H. Scheepers (2), R. Hermens (3)*

1. Department of Obstetrics and Gynaecology, Radboud University Medical Center Nijmegen, the Netherlands 2. Department of Obstetrics and Gynaecology, University Hospital Maastricht, the Netherlands 3. IQ Healthcare, Radboud University Medical Center Nijmegen, the Netherlands

3. **Effectiveness of ice pack for postpartum perineal pain management: A randomized controlled trial**  
*A. Amorim Francisco 1; S. M.J.V. de Oliveira 2; M. Steen 3*

1 Nurse-Midwife.PhD candidate. School of Nursing of University of Sao Paulo. Scholarship Sao Paulo Research Foundation (FAPESP). adrianaaf@usp.br 2 Nurse-Midwife.Associate Professor at the Department of Maternal Child and Psychiatric Nursing at the School of Nursing of University of Sao Paulo. Chair of the Research Group “Nursing and childbirth: practice, model and agents”: soniaju@usp.br 3 Nurse-Midwife.Professor of Midwifery at School of Nursing and Midwifery of University of South Australia. Chair of the Research Group “Mothers, babies and families” .Mary.Steen@unisa.edu.au

4. **Nuchal cords, true cord knots and adverse neonatal outcome**  
*M. Rei 1; S. Diniz 2; D. Ayres-de-Campos 3*

1 Department of Obstetrics and Gynecology, Medical School, University of Porto, S. Joao Hospital, Porto; INEB – Institute of Biomedical Engineering, Porto, Portugal. 2 Department of Obstetrics and Gynecology, Medical School, University of Porto, S. Joao Hospital, Porto; 3 Department of Obstetrics and Gynecology, Medical School, University of Porto, S. Joao Hospital, Porto; INEB – Institute of Biomedical Engineering, Porto, Portugal.

5. **Electronic fetal monitoring: inter-observer agreement using four different classification systems**  

Obstetrics Department, University of Turin, Turin, Italy
6) ACHIEVING A LOW RISK OF OBSTETRICAL ANAL SPHINCTER INJURIES  
Rasmussen OB; Yding A; Lyngsø C; Boris J  
Dept Obstetrics and Gynaecology, Herning and Holstebro, Hospitalsenhed Vest, Denmark.

7) MATERNAL POSITIONS DURING SECOND STAGE OF LABOUR TO IMPROVE PERINEAL OUTCOMES  
M. Santiago Vasco 1; L. Calvo Rodriguez 2; C. Béjar Poveda 3  
1 Hospital Virgen del Puerto, Plasencia, Spain; 2 Hospital del Tajo, Aranjuez, Spain; 3 Plasencia Health Area, Plasencia, Spain.

8) THE EFFECT OF FEAR EXPERIENCED DURING VAGINAL BIRTH ON LACTATION, THE BABY’S SUCKING BEHAVIOR AND FIRST BREASTFEEDING  
A.Şen1; M. Aluş Tokat2  
1. Izmir Atatürk Education and Research Hospital, Nurse, Turkey 2. Dokuz Eylül University Nursing Faculty, Turkey

9) Evaluation of how continuous support during labor affects the duration of labor and rate of cesarean delivery.  
M. Kashanian 1, F. Javadi 1, M Moshkhbhid Haghighi 1.  
1) Iran University of Medical Sciences, Department of Obstetrics & Gynecology.

10) Risk factors for excessive blood loss in the COSMOS trial  
Davey M-A 1; McLachlan H 1; Forster D 1,2; Flood M 1.  
1. Judith Lumley Centre, School of Nursing and Midwifery, La Trobe University, Melbourne, Australia. 2. Royal Women's Hospital, Melbourne, Australia

11) Assessment of the actual care on postpartum hemorrhage using video images of the third stage  
M. Woiski 1, S. Visser 1, H. van Vugt 1, H. Scheepers 2, R. Hermens 3 and the Fluxim study group  
1. Dept. of Obstetrics & Gynecology, Radboud University Medical Center, Nijmegen, The Netherlands 2. Dept. of Obstetrics & Gynecology, Maastricht University Medical Center, Maastricht, The Netherlands 3. IQ Healthcare, Radboud University Medical Center, Nijmegen, The Netherlands

**Arquivo Hall**

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<th>Time</th>
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<tr>
<td>17:30-18:30</td>
<td><strong>CONTROVERSIES</strong> Has the time come to abandon fetal blood sampling?</td>
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<tr>
<td>17:30-17:50</td>
<td><strong>Yes</strong> Edwin Chandraraharan (UK)</td>
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<tr>
<td>17:50-18:10</td>
<td><strong>No</strong> Ayesha Heinis (Netherlands)</td>
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<td>18:10-18:30</td>
<td>Discussion</td>
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<tr>
<td>20:00</td>
<td><strong>CONGRESS DINNER</strong></td>
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08:30-10:15 SESSION 4  Cesarean section (CS)
Chairpersons: Tullia Todros (Italy), Nuno Clode (Portugal)

08:30-08:55 Risk factors and complications of CS Nanneli Pallasmaa (Finland)
08:55-09:20 Has loss of experience with forceps contributed to rising CS rates Deirdre Murphy (Ireland)
09:20-09:45 Can rising CS rates be reduced? Diogo Ayres-de-Campos (Portugal)
09:45-10:00 Patient decision aid with individual risk estimation: an effective tool in choosing the mode of delivery after cesarean section E. Vankan 1; E.N.C. Schoorel 2; S.M.J. van Kuijk 3; R. Aardenburg 4; F.M.C. Delemarre 5; C.D. Dirksen 6; I.M. van Dooren 7; S.M.I. Kuppens 8; A. Kwee 9; J. Langenfeld 10; B.W.J. Mol 11; J.G. Nijhuis 12; R.P.M.G. Hermens 13; H.C.J. Scheepers 14

1: Obstetrics and Gynecology, Maastricht University Medical Center, Maastricht, The Netherlands 2: Obstetrics and Gynecology, Maastricht University Medical Center, Maastricht, The Netherlands 3: Epidemiology, Maastricht University, Maastricht, The Netherlands 4: Obstetrics & Gynecology, Orbis Medical Center, Sittard, The Netherlands 5: Obstetrics and Gynecology, Elkerliek Hospital, Helmond, The Netherlands 6: Clinical Epidemiology and Medical Technology Assessment, Maastricht University Medical Center, Maastricht, The Netherlands 7: Obstetrics and Gynecology, Sint Jans Gasthuis, Weert, The Netherlands 8: Obstetrics and Gynecology, Catharina Hospital, Eindhoven, The Netherlands 9: Obstetrics and Gynecology, University Medical Center Utrecht, Utrecht, The Netherlands 10: Obstetrics and Gynecology, Atrium Medical Center, Heerlen, The Netherlands 11: School of Paediatrics and Reproductive Health, University of Adelaide, Australia 12: Obstetrics and Gynecology, Maastricht University Medical Center, Maastricht, The Netherlands 13: IQ Scientific Institute for Quality of Healthcare, University Medical Center St. Radboud, Nijmegen, The Netherlands 14: Obstetrics and Gynecology, Maastricht University Medical Center, Maastricht, The Netherlands

10:00-10:15 Elevated Amniotic Fluid Lactate at Diagnosis of Spontaneous Labor predicts Dystocia and Caesarean Section in Single Cephalic Nulliparous Women after Term ≥ 37 weeks gestation - M. Murphy 1; M. Butler 2; B. Coughlan 3; D. Brennan 4; C. O’Herlihy 5; M. Robson 6

1 Obstetrics and Gynaecology, National Maternity Hospital, Dublin, Ireland 2 Midwifery Program, Department of Family Practice, University of British Columbia, Canada 3 Nursing Midwifery and Health Sciences, University College Dublin, Ireland 4 UCD School of Medicine and Medical Science, Dublin, Ireland

10:15-10:45 COFFEE BREAK

10:45-12:30 SESSION 5  Post-partum hemorrhage (PPH)
Chairpersons: Christophe Vayssière (France), Nuno Montenegro (Portugal)

10:45-11:10 When and how to use the intrauterine balloon Sabaratnan Arulkumaran (UK)
11:10-11:35 Strategies for replacement of blood products Bruno Carbonne (France)
11:35-12:00 Choosing between different conservative surgical techniques Loic Sentilhes (France)
12:00-12:15 USE OF ACUPUNCTURE TO AVOID UTERINE ATONY B. Lopez-Garrido 1; R. Gil-Pita 2; A. Zapico-Goñi 3

1 Speciality Center of Azuqueca de Henares, Castilla la Mancha Health Service, Guadalajara, Spain 2 Signal Theory and Communications Department, University of Alcala, Alcala de Henares, Spain 3 Hospital Universitario Principe de Asturias, Alcala de Henares, Spain

12:15-12:30 A randomised trial of Carbetocin versus Oxytocin in the management of the third stage of labour. O. Baev 1; V. Rumyanseva 2; D. Alimova 3; O. Tysyachnyu 4; M. Kovaleva 5; O. Pavlova 6.

Maternity Department, Research Center for Obstetrics, Gynecology and Perinatology, Moscow, Russian Federation

12:30-13:00 KEYNOTE LECTURE 2
Chairpersons: Sabaratnan Arulkumaran (UK), Paulo Moura (Portugal)

Intrapartum monitoring is risky for the fetus, mother and staff Gerard Visser (Netherlands)
13:15-14:15 LUNCH

14:30-16:15 SESSION 6  Abnormaly adherent placenta (AAP)
Chairpersons: Diogo Ayres-de-Campos (Portugal), Paula Pinheiro (Portugal)
14:30-14:55 Management of undiagnosed AAP Sally Collins (UK)
14:55-15:20 Management of placenta percreta invading the bladder Jens Langhoff-Roos (Denmark)
15:20-15:45 The role of balloon occlusion and embolization Raj Das (UK)
15:45-16:00 Triple P Procedure for morbidly adherent placenta: analysis of uterine remodeling after 6 weeks S Muhammad, E Chandracharan, J Moore, A Bhide, Arulkumaran S
St Georges University Hospital, London UK
16:00-16:15 Morbidly adherent placenta - hemorrhage control at a glance P. Viana Pinto 1; M. Rei 2; A. Paula Machado 3; N. Montenegro 4
1. Serviço de Ginecologia e Obstetricia, Centro Hospitalar de São João, Porto, Portugal 2. Serviço de Ginecologia e Obstetricia, Centro Hospitalar de São João, Porto, Portugal; Departamento de Obstetricia e Ginecologia, Faculdade de Medicina da Universidade do Porto, Portugal 3. Serviço de Ginecologia e Obstetricia, Centro Hospitalar de São João, Porto, Portugal 4. Serviço de Ginecologia e Obstetricia, Centro Hospitalar de São João, Porto, Portugal; Departamento de Obstetricia e Ginecologia, Faculdade de Medicina da Universidade do Porto, Portugal

16:15-16:45 KEYNOTE LECTURE 3 Organization of multinational studies in Obstetrics
Chairpersons: Zarko Alfirevic (UK), João Bernardes (Portugal)
Martijn Oudijk (Netherlands)

16:45-18:30 SESSION 7  Place of birth
Chairpersons: Eva Matintupa (Finland), Rosália Marques (Portugal)
16:45-17:10 Women’s views on place of birth Nicola Bauer (Germany)
17:10-17:35 Transfers from birth centres – practice and policy Mary Stewart (UK)
17:35-18:00 Why women fear childbirth and what can be done about it? Mirjam Lukasse (Norway)
18:00-18:15 Severe adverse maternal outcomes among women in primary versus secondary care at the onset of labour in the Netherlands: a nationwide cohort study A de Jonge 1, J Mesman 2, J Manniën 1, J Zwart 3, S Buitendijk 4, J van Roosmalen 5, J van Dillen 6
1. Department of Midwifery Science, AVAG and the EMGO Institute of Health and Care Research, VU University Medical Center, Amsterdam, the Netherlands. 2. Leiden University Medical Center, Department of Obstetrics, the Netherlands. 3. Deventer Hospital, Department of Obstetrics, the Netherlands. 4. Leiden University Medical Center, the Netherlands. 5. Department of Medical Humanities, EMGO, VU University Medical Center, Amsterdam, the Netherlands. 6. Radboud University Medical Center Nijmegen, Department of Obstetrics, the Netherlands.
18:15-18:30 SHOULDER DYSTOCSIA IN PRIMARY MIDWIFERY CARE IN THE NETHERLANDS A.Kallianidis 1; M. Smit 1; J. van Roosmalen 1,2
1 Department of Obstetrics, Leiden University Medical Centre, Leiden, the Netherlands. b Athena Institute, VU University, Amsterdam, the Netherlands.

18:30-18:40 CLOSING SESSION
Isis Amer-Wahlin (Sweden), Gerard Visser (Netherlands), Mervi Jokinen (UK)