

The 5th European Conference on Paediatric and Neonatal Cardiac Intensive Care (EPNCIC)

10.10. 2017 - 13.10.2017, Hotel El Fuerte, Marbella, Spain

An Educational Meeting endorsed by the Section of Paediatric and Congenital Cardiac Intensive Care & Mechanical Circulatory Support of the European Society of Paediatric and Neonatal Intensive Care (ESPNIC), the Working Group of Paediatric Cardiac Intensive Care (WGPCIC) of the Association for European Paediatric and Congenital Cardiology (AEPC), and the Pediatric Critical Care Societies (PCICS).

Conference Organisation

Organising and Educational Program Committee

- Eduardo M. da Cruz (Denver, USA)
- Peter C. Laussen (Toronto, Canada)
- Peter C. Rimensberger (Geneva, Switzerland)
- Joan Sánchez de Toledo (Barcelona, Spain)
- Georgios Sarris (Greece)
- Cécile Tissot (Geneva, Switzerland)

Major Sponsors:

- PCICS
- ESPNIC
- Children's Hospital Colorado

PRE-CONFERENCE DAY: 10.10. 2017 (Hot Topic Workshops)

14:00 – 16:00	WORKSHOP 1 Point of Care Ultrasonography in the CICU (part 1): Point of Care Echocardiography in the CICU <i>Cécile Tissot (CH)</i> <i>Nicole Sekarski (CH)</i>	WORKSHOP 2 Cardiovascular Bootcamp (Bootcamps as a tool to effectively train health providers) Lecture: Do's and Dont's in the CICU: back to basics <i>Robert Bishop (USA)</i> Hands-on clinical scenario 1 <i>Robert Bishop (USA) and Megan Soohoo (USA)</i> Hands-on clinical scenario 2 <i>Robert Bishop (USA) and Megan Soohoo (USA)</i> Sponsored by the Program of Cardiac Critical Care of the Heart Institute, Children's Hospital Colorado
16:30 – 18:30	WORKSHOP 3 Using simulation to teach physiology of complex conditions <i>Michael Broome (Sweden)</i> <i>Robert Bishop (USA)</i>	

DAY 1: 11.10.2017 (Hot Topic Workshops)

10:00 - 12:00	WORKSHOP 4: Point of Care Ultrasonography in the CICU (part 2) Looking outside the heart in the CICU: Lung Ultrasound, Thoracic Ultrasound, Diaphragmatic Ultrasound, and US guided Vascular Access <i>Joan Sanchez de Toledo (Spain)</i> <i>Pierre Tissières (France)</i>	WORKSHOP 5: Controversies around ECMO Anticoagulation : How and what to monitor Hemodiafiltration: When, which method? How to ventilate a patient on ECMO? <i>David Cooper (USA)</i> <i>Peter Rimensberger (CH)</i>
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DAY 1: 11.10.2017 (Main Program)

12:15 - 13:30	<p>INDUSTRY SPONSORED LUNCH SYMPOSIUM?</p> <p>Topic to be announced</p>
13:30 - 14:15	<p>Welcome Note</p> <p><i>Peter Rimensberger (Switzerland), Eduardo da Cruz (USA), Peter Laussen (Canada)</i></p> <p>Towards collaboration: Scientific and educational activities within ESPNIC, EAPS, and PCICS</p> <p><i>Eduardo da Cruz (USA), Peter Laussen (Canada)</i></p>
14:15 - 15:15	<p>European Society of Pediatric Anesthesia (ESPA) and European Society of Paediatric and Neonatal Intensive Care (ESPNIC) Collaborative</p> <p>Chairs: <i>Peter Rimensberger, Eduardo da Cruz</i></p> <p>The knowns and unknowns of perioperative blood pressure management</p> <p><i>Laszlo Vutskits (Switzerland)</i></p> <p>Low cardiac output: Syndrome or state ?</p> <p><i>Peter Laussen (Canada)</i></p>

15:15 - 15:45	Coffee break - Commercial exhibition
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15:45 - 17:25	<p>SESSION 1: Trans-disciplinary Session: Current Management of Single Ventricle Patients</p> <p>Chairs: <i>Steven Schwartz (Canada),</i></p> <p>Cardiologist's perspective</p> <p><i>David Cooper (USA)</i></p> <p>Surgeon's perspective</p> <p><i>Olivier Ghez (UK)</i></p> <p>Intensivist's perspective</p> <p><i>Neil Spencely (Scotland)</i></p> <p>Neonatologist's Perspective</p> <p><i>Yogen Singh, (UK)</i></p> <p>Panel Discussion</p>	<p>SESSION 2: The failing heart: Critical Management and Ethics</p> <p>Chairs: <i>Duncan Macrae and Eduardo da Cruz (USA)</i></p> <p>Key therapeutic differences in the critical management of pediatric patients with severe heart failure and with failing transplant</p> <p><i>Sabrina Law (USA)</i></p> <p>Mechanical Circulatory Support Algorithm: when to do what</p> <p><i>Sabrina Law (USA)</i></p> <p>Mechanical Circulatory Support Ethics</p> <p><i>Ranny Goldwasser (Germany)</i></p> <p>Panel Discussion</p>
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17:30 - 18:20	<p>In Memoriam of Yves Durandy and Juan V Comas</p> <p>Review of Normo- and Hypothermia in Pediatric Cardiac Surgery</p> <p><i>Olivier Ghez (UK)</i></p> <p>The European Guidelines for Transposition of the Great Arteries</p> <p><i>Georgios Sarris (Greece)</i></p>
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18:30 - 20:00	Welcome Reception in the Exhibition Area
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DAY 2: 12.10.2017 (Main Program)

08:30 - 09:20	<p>MORNING TEACHING SESSION <i>Chair: David Cooper (USA)</i></p> <p>Resuscitation in patients with congenital heart disease Focus on specific patient populations: single ventricle, Fontan, myocarditis ... <i>Duncan Macrae (UK)</i></p>
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09:30 – 10:45	<p>SESSION 3: PRO-CONS <i>Chair: Duncan Macrae (UK), Peter Laussen (USA)</i></p> <p>Use of dobutamine in pediatric cardiac patients in the 21st century; useful or useless? <i>Pro: Ranny Goldwasser (Germany)</i> <i>Con: Steven Schwartz (Canada)</i></p> <p>Hemodiafiltration versus Plasmapheresis: Plasmapheresis during ECMO is better <i>Joan Sanchez de Toledo (Spain)</i> Hemodiafiltration during ECMO is enough <i>David Cooper (USA)</i></p>	<p>SESSION 4: The sound use of echocardiography in cardiac patients <i>Chairs: Yogen Singh (UK), Pierre Tissières (France)</i></p> <p>Criteria to perform an echocardiography in the CICU setting <i>N. Sekarski (Switzerland)</i></p> <p>Utility of echocardiography in ECMO patients <i>Eduardo da Cruz (USA)</i></p> <p>Integrating echocardiographic information into clinical management <i>C. Tissot (Switzerland)</i></p>
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10:45 - 11:15	Coffee break in the exhibition area
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11:15 – 12:45	<p>SESSION 5: ECLS (ECMO and Assist Devices) in Complex Situations: <i>Chairs: Peter Rimensberger (Switzerland), Eduardo da Cruz (USA)</i></p> <p>ECLS in single ventricle physiology <i>Steven Schwartz (Canada)</i></p> <p>How to decompress LA in cardiac ECLS <i>Georgios Sarris (Greece)</i></p> <p>ECPR <i>Peter Laussen (Canada)</i></p>	<p>SESSION 6: Neuroprotection and Neuromonitoring <i>Chairs: Robert Bishop (USA), Ranny Goldwasser (Germany)</i></p> <p>Anesthesia, Sedation and Analgesia – Impact on the developing brain <i>Laszlo Vutskits (Switzerland)</i></p> <p>What can we do to protect the brain in pediatric cardiac surgical patients <i>Joan Sanchez de Toledo (Spain)</i></p> <p>Optimal monitoring to detect neurological injury in the CICU <i>Laszlo Vutskits (Switzerland)</i></p>
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13:00 – 14:00	<p>Lunch break (INDUSTRY SPONSORED LUNCH SYMPOSIUM) TBD</p>
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14:00 - 15:30	Oral Presentations	POSTER WALKS
15:30 - 16:00	Coffee break - Commercial exhibition	

16:00 – 18:00	<p>Up-to date LECTURES</p> <p><i>Chairs: Eduardo da Cruz (USA), Laszlo Vutskits (Switzerland)</i></p> <p>Update on the systemic inflammatory response, modifications and impact <i>Joan Sanchez de Toledo (Spain)</i></p> <p>Inotropic support <i>Robby Bishop (USA)</i></p> <p>Is modern and efficient monitoring affordable and universal? A metaphysical analysis <i>Neil Spencely (Scotland)</i></p> <p>Learning from patients: randomized control trials in pediatric critical care versus big data. <i>Duncan Macrae (UK)</i></p>
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DAY 3: 13.10.2017 (Main Program)

08:30 – 09:10	<p>MORNING TEACHING SESSION <i>Chairs: Eduardo da Cruz (USA), Joan Sanchez de Toledo (Spain)</i></p> <p>Physiology of the left and the right heart in various clinical conditions <i>Steven Schwartz (Canada)</i></p>		
09:15 – 10:35	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>SESSION 7: The Adult with Congenital Heart Disease <i>Chairs: Duncan Macrae (UK), Michael Broomé (Sweden)</i></p> <p>What makes the adult patient different? Surgical Key Points <i>Georgios Sarris (Greece)</i></p> <p>ACHD critically-ill patients need different clinical guidelines <i>Rafael Alonso (UK)</i></p> <p>Long term outcome of CHD patients <i>TBN</i></p> </td> <td style="width: 50%; vertical-align: top;"> <p>SESSION 8: The Neonate with Congenital Heart Disease <i>Chairs: Steven Schwartz (Canada), Olivier Ghez (UK)</i></p> <p>Fetal diagnosis of CHD and impact of post-natal outcome <i>Cecile Tissot (Switzerland)</i></p> <p>Fetuses with CHD: indication for delivery in a tertiary center <i>Yogen Singh (UK)</i></p> <p>Post-natal management of the newborn with poor neonatal adaptation and suspected CHD <i>Nicole Sekarski (Switzerland)</i></p> </td> </tr> </table>	<p>SESSION 7: The Adult with Congenital Heart Disease <i>Chairs: Duncan Macrae (UK), Michael Broomé (Sweden)</i></p> <p>What makes the adult patient different? Surgical Key Points <i>Georgios Sarris (Greece)</i></p> <p>ACHD critically-ill patients need different clinical guidelines <i>Rafael Alonso (UK)</i></p> <p>Long term outcome of CHD patients <i>TBN</i></p>	<p>SESSION 8: The Neonate with Congenital Heart Disease <i>Chairs: Steven Schwartz (Canada), Olivier Ghez (UK)</i></p> <p>Fetal diagnosis of CHD and impact of post-natal outcome <i>Cecile Tissot (Switzerland)</i></p> <p>Fetuses with CHD: indication for delivery in a tertiary center <i>Yogen Singh (UK)</i></p> <p>Post-natal management of the newborn with poor neonatal adaptation and suspected CHD <i>Nicole Sekarski (Switzerland)</i></p>
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10:35 - 11:00	<p>Coffee break in the exhibition area</p>		
<p>11:00 -12:50</p> <p>11:00-11:30</p> <p>11:30-12:15</p> <p>12:15-12:45</p>	<p>SESSION 8: It is not only “CICU knowledge” we need to have when running a CICU <i>Peter Rimensberger (Switzerland), Eduardo da Cruz (USA)</i></p> <p>Don't be fooled by sepsis in the cardiac patient <i>Pierre Tissieres (France)</i></p> <p>Why might respiratory ECLS be different from cardiac ECLS: Practical hints, new directions <i>Michael Broomé (Sweden)</i></p> <p>Fluid management: Not too much volume - or when to start furosemide or early peritoneal dialysis?? <i>David Cooper (USA)</i></p>		
12:50 – 13:00	<p>Closing Remarks</p>		

Program subjected to change