

**1st European Conference on Pediatric and Neonatal Cardiac
Intensive Care
Montreux, Switzerland. 20-23 May, 2009**

Pre-Conference Workshops

Wednesday 20.05.2009 (14:00h - 18:30h)

Workshop 1: Basic and Advanced Mechanical Ventilation in the CICU.

General Principles. Practice in pediatric cardiovascular patients. Alternative and newer ventilation modes.

Workshop Leader: Peter Rimensberger (Switzerland)

Workshop 2: Continuous Renal Replacement Therapy.

General Principles of CVVHD (including Anticoagulation). Application to pediatric cardiovascular patients. Troubleshooting algorithms.

Workshop Leader: TBN

Workshop 3: SIM Baby® scenarios. Simulation of pediatric cardiovascular scenarios and pacemaker troubleshooting.

Station 1: Critical cardiovascular scenarios; **Station 2:** Zebra diagnosis; **Station 3:** Difficult airway management; **Station 4:** Troubleshooting rhythm disturbances and the pacemaker

Workshop Leaders:

Eduardo da Cruz, Clay Dobronyi, Shannon Buckvold and Julianne Koehler (USA)

Sponsored by: The Children's Hospital of Denver

Thursday, 21.05.2009 (08:00 - 12:30)

Workshop 4: The use of Echocardiography in the CICU

Workshop Leaders: Evelyn Lechner (Austria) and Cécile Tissot (Switzerland)

Workshop 5: Extracorporeal Life Support: ECMO and VAD.

General principles. Troubleshooting algorithms.

Workshop Leaders: Brigitte Stiller (Germany) and Christoph Benk (Germany)

Workshop 6: SIM Baby® scenarios. Simulation of paediatric cardiovascular scenarios and pacemaker troubleshooting.

Station 1: Critical cardiovascular scenarios; **Station 2:** Zebra diagnosis; **Station 3:** Difficult airway management; **Station 4:** Troubleshooting rhythm disturbances and the pacemaker

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Main Conference Program

Thursday, 21.05.2009

14:00 - 14:15 Opening Remarks:

*Eduardo da Cruz (USA), Evelyn Lechner (Austria), Peter Rimensberger
(Switzerland)*

14:15 - 15:00 Opening Lecture:

“An historical glance to pediatric and neonatal cardiac intensive care”.
Duncan Macrae (UK)

15:00 - 16:30 Coffee break in the exhibition area

16:30 - 18:30 Session 1: Review of Low Cardiac Output Syndrome

Chairs: Evelyn Lechner (Austria) and Duncan Macrae (UK)

16:30 - 16:55 Is LCOS preventable?

Juan Comas (Spain)

16:55 - 17:20 Review of the management of LCOS

Eduardo da Cruz (USA)

17:20 - 17:45 ECLS for LCOS management failure

Brigitte Stiller (Germany)

17:45 - 18:45 Oral Presentations 1

18:46 - 19:00 Meet the Expert Session 1: Questions & Answers on LCOS

*Juan Comas (Spain), Eduardo da Cruz (USA), Evelyn Lechner (Austria), Duncan
Macrae (UK), Brigitte Stiller (Germany)*

19:30 Welcome Reception in the Exhibition Area

Friday 22.05.2009

08:00 - 10:00 Session 2: The Failing Myocardium

Chairs: Maurice Beghetti (Switzerland), Juan Comas (Spain)

08:00 - 08:25 Molecular and endocrine aspects of postoperative myocardial failure
David Nelson (USA)

08:25 - 08:50 Postoperative systolic and diastolic dysfunction. Differential diagnosis and management
Evelyn Lechner (Austria)

08:50 - 09:15 Medical treatment of the failing myocardium
Duncan Macrae (UK)

09:15 - 09:45 Oral Presentations 2

09:45 - 10:00 Meet the Expert Session 3: The Failing Myocardium

Maurice Beghetti (Switzerland), Juan Comas (Spain), Evelyn Lechner (Austria), Duncan Macrae (UK), David Nelson (USA)

10:00 - 10:30 Coffee Break in the Exhibition Area

10:30 - 12:30 Session 3: Pre and postoperative care of patients with single ventricle physiology

Chairs: Evelyn Lechner (Austria), Brigitte Stiller (Germany)

10:30 – 10:55 Preoperative considerations in neonates with single ventricle physiology: pathophysiology, therapeutic options and management
Ricardo Muñoz (USA)

10:55 - 11:20 Postoperative considerations in neonates with single ventricle physiology: pathophysiology and management
Eduardo da Cruz (USA)

11:20 - 11:45 Postoperative management of partial and total cavo-pulmonary connections
Alain Fraisse (France)

11:45 - 12:15 Oral Presentations 3

12:15 - 12:30 Meet the Expert Session 3: Single Ventricle Physiology in the CICU

Eduardo da Cruz (USA), Alain Fraisse (France), Evelyn Lechner (Austria), Brigitte Stiller (Germany), and Ricardo Muñoz (USA)

12:30 - 13:30 Lunch Break

13:30 - 14:30 **Poster Walks**

13:30 - 14:30 **Industry Sponsored Symposium: Pulmonary Hypertension**

Chairs: Eduardo da Cruz (USA), Peter Rimensberger (Switzerland)

13:30 - 13:50 Management of acute pulmonary hypertension
Maurice Beghetti (Switzerland)

13:50 - 14:10 Management of acutely decompensated chronic pulmonary hypertension
Ivy Dunbar (USA)

14:10 - 14:30 Meet the Expert: Questions & Answers on Pulmonary Hypertension
Eduardo da Cruz, Peter Rimensberger, Maurice Beghetti, Dunbar Ivy

14.30 - 15.00 **Coffee Break in the Exhibition Area**

15.00 - 16:45 **Session 4: Intensive Care Monitoring and Clinical Assessment of Pediatric Cardiac Patients**

Chairs: Alain Fraisse (France) and Evelyn Lechner (Austria)

15:00 - 15:25 Usefulness of echocardiography in the perioperative care of cardiac patients-
Cécile Tissot (Switzerland)

15:25 - 15:50 Hemodynamic Monitoring: Are we heading towards the State of the Art?
David Nelson (USA)

15:50 - 16:15 Monitoring in the ventilated cardiac patient
Peter Rimensberger (Switzerland)

16:15 - 16:45 Oral Presentations 4

17:00 **Departure to the Evening Party-Dinner**

Saturday 23.05.2009

08:30 - 10:30 Session 5: Perioperative Endocrine Aspects

Chairs: Eduardo da Cruz (USA), Brigitte Stiller (Germany)

08:30 - 08:50 Diagnosis and management of adrenocortical failure

David Nelson (USA)

08:50 - 09:10 Postoperative thyroid dysfunction

Nikolaus Haas (Germany)

09:10 - 09:30 The role of glycemic control: myth or reality?

Duncan Macrae (UK)

09:30 - 10:00 Oral Presentations 5

10:00 - 10:15 Meet the Expert Session 5: Questions & Answers on Perioperative Endocrine Aspects

Eduardo da Cruz (USA), Nikolaus Haas (Germany), Duncan Macrae (UK), David Nelson (USA), Brigitte Stiller (Germany)

10:15 - 10:45 Coffee break in the exhibition area

10:45 - 12:15 Session 6: Surgical Reviews

Chairs: Alain Fraisse (France), and Riccardo Muñoz (USA)

10:45 - 11:10 Optimizing interactions between pediatric cardiologists, cardiac intensivists and cardiac surgeons.

Nikolaus Haas (Germany)

11:10 - 11:35 Review of surgical techniques to treat tracheo-bronchial stenosis and associated disorders in pediatrics

Juan Comas (Spain)

11:35 - 12:00 Review of surgical techniques to treat transposition of the great arteries with ventricular septal defect and pulmonary obstruction and its variants

Rudolf Mair (Austria)

12:00 - 13:00 Wrap up session

Juan Comas (Spain), Eduardo da Cruz (USA), Alain Fraisse (France), Evelyn Lechner (Austria), Brigitte Stiller (Germany) and Duncan Macrae (UK)