



Educational Program
**ESPNIC Winter School Champéry,
Switzerland, 11.03.-13.03.2019**

11.03.2019 (afternoon session)

15:15-15:30 Welcome and Introduction (*Peter Rimensberger, Switzerland*)

ECMO for cardiac and respiratory failure (*Heidi Dalton, USA*)

15:30-14:00 Physiology of VA and VV ECMO

14:00-14:15 When to pick VA or VV

14:15-14:45 How to initiate and what to pay attention to

14:45-15:45 Interactive decision making of "is this patient a candidate" and data

15:45-16:45 Patient management pearls

16:45-17:15 Outcomes of patients

17:15-17:30 *Break*

17:30-18:00 Cardiac physiology and ECMO

18:00-18:15 Cannulation strategies in cardiac patients

18:15-18:45 What to pay attention to and why!

18:45-19:15 Interactive case scenarios (management and weaning pearls included)

12.03.2019 (morning session)

ECMO Simulation (*Heidi Dalton, USA; Aparna Hoskote, UK*)

07:30-09:30 Respiratory based case scenarios to include:
Initiation of VA ECMO, Initiation of VV ECMO
Common troubleshooting (hypovolemia, bleeding, hypoxemia, pump failure)

09:30-09:45 *Break*

09:45-11:45 Troubleshooting continued (case based cardiac; bleeding, LV distention, assessment of recovery and weaning)

11:45-16:30 *Lunch break (and time for winter sports)*



12.03.2019 (afternoon session)

Mechanical Ventilation and Cardiopulmonary Interactions (*Peter Rimensberger, Switzerland*)

16:30-17:15 Mechanical ventilation in hypoxic respiratory failure / PARDS / patients on ECMO

17:15-17:30 *Break*

17:30-18:15 Cardiopulmonary interactions in lung and cardiac pathologies

18:15-19:15 Treatment approaches to PPHN / PHT, including CDH

13.03.2019 (morning session)

Heart failure and Arrhythmias in the PICU/NICU (*Aparna Hoskote, UK*)

07:30-07:50 The spectrum of heart failure in neonates, infants and children

07:50-08:20 Recognition of acute heart failure – is it myocarditis?

08:20-08:50 Management of a deteriorating child with new onset cardiac failure in the ICU: “the what to do’s & not to do’s”

08:50-09:30 When to consider VAD implantation? Key aspects of ICU management of VADs - anticoagulation, complications and outcomes.

09:30-09:45 *Break*

09:45-10:00 Common arrhythmias in ICU

10:00-10:45 Fast rhythms

10:45-11:15 Slow rhythms

11:15-11:45 Temporary Pacemaker in the post-operative period