

Pre-Meeting Masterclasses

Masterclass Registration Fees

[Get Started](#)

- Pre-Meeting Masterclasses will be held prior to the start of the 32nd Annual Meeting of the European Society of Paediatric and Neonatal Intensive Care (ESPNIC 2023)
- All courses will be held on Tuesday, June 20, 2023
- All participants of Pre-Meeting Masterclasses must be registered to the Meeting
- **Space is limited**, pre-registration and payment is required in order to secure your ticket. Registration will be open soon as part of the online registration form.
- CME/CPD credit will be applied for the Pre-Meeting Masterclasses

Masterclasses are as follows:

Masterclass	Organizers
Masterclass 01: ECMO for respiratory and cardiac failure in children – an interactive masterclass with inbuilt ECMO simulation sessions	Organizers: Aparna Hoskote, Angelo Polito
Masterclass 02: Neuromonitoring with aEEG in neonatology and paediatric intensive care	Organizers: Karl Florian Schettler, Shruti Agrawal
Masterclass 03: Mechanical and non-invasive ventilation	Organizers: Alberto Medina Villanueva, Nilufer Yalindag-Ozturk
Masterclass 04: POCUS in paediatric and neonatal critical care	Organizer: Yogen Singh

Masterclass	Organizers
Masterclass 05: Advanced Paediatric and Neonatal Sepsis Workshop	Organizer: Luregn Schlapbach
Masterclass 06: Writing with confidence to a publication	Organizer: Jos Latour
Masterclass 07: How to manage a quality improvement project in the NICU	

Masterclass programmes

08:30-08:35 Course induction and introduction of participants and faculty

Aparna Hoskote, UK & Angelo Polito, Switzerland

08:35-09:00 Neonatal Respiratory ECMO

Matteo Di Nardo, Italy

09:00-09:30 Paediatric Respiratory ECMO

Martin Kneyber, Netherlands

09:30-10:00 Cardiac ECMO

Angelo Polito, Switzerland

10:00-10:30 ECMO Circuit, ECMO Flows – what can go wrong?

Aparna Hoskote, UK

10:30-11:00 Coffee

11:00-12:00 Hands on – 3 groups – **Aparna Hoskote, UK; Angelo Polito, Switzerland; Mirjana Cvetkovic, UK; Matteo Di Nardo, Italy**

- Hands on – Cannulae, Circuit and configurations
- Hands on – Going on ECMO & weaning
- Hands on – ECMO troubleshooting

12:00-12:30 ECPR – Patient selection – case-based discussion

on ECPR covering the latest Resuscitation guidelines and outcomes

Matteo Di Nardo, Italy

12:30-13:30 Lunch break

13:30-16:00 – Hands on – 3 groups – **Aparna Hoskote, UK; Angelo Polito, Switzerland; Mirjana Cvetkovic, UK; Matteo Di Nardo, Italy**

13:30-14:20 Anticoagulation and management on ECMO – Session 1

14:20-15:05 – Myocarditis and arrhythmia, peri-arrest – ECMO – Session 2

15:05-16:00 – Neonatal ECMO CDH, pulmonary hypertensive crisis ECMO – Session 3

16:00 – 16:30 – Failure of recovery – Respiratory ECMO and Cardiac ECMO

Aparna Hoskote, UK; Angelo Polito, Switzerland

16:30 – 16:50 – Roundtable discussion on optimizing outcomes including mid-term sequelae and post ECMO follow-up consultation

16:50 – 16:55 – Evaluation and Wrap-up

**08:30-08:45 Welcome
Shruti Agrawal, UK; Katrin Klebermass-Schrehof, Austria; Karl Florian Schettler, Germany**

08:45-09:30 Basics of aEEG

Karl Florian Schettler, Germany

09:30-09:45 Artefacts

Katrin Klebermass-Schrehof, Austria

09:45-10:30 Seizures

Shruti Agrawal, UK

10:30-11:00 Coffee break

11:00-12:30 Electrodes: Types, differences and hands-on placement

Shruti Agrawal, UK; Katrin Klebermass-Schrehof, Austria; Karl Florian Schettler, Germany

12:30-13:30 Lunch break

13:30-14:00 aEEG in preterms

Katrin Klebermass-Schrehof, Austria

14:00-14:30 aEEG in hypoxic events

Shruti Agrawal, UK

14:30-15:00 Interactive cases

Shruti Agrawal, UK; Katrin Klebermass-Schrehof, Austria; Karl Florian Schettler, Germany

15:00-15:30 Coffee break

15:30-15:45 aEEG in cardiac surgery and the cardiac ICU

Karl Florian Schettler, Germany

15:45-16:15 Interactive cases

Shruti Agrawal, UK; Katrin Klebermass-Schrehof, Austria; Karl Florian Schettler, Germany

16:15-16:30 Discussions and hands-on with machines

Shruti Agrawal, UK; Katrin Klebermass-Schrehof, Austria; Karl Florian Schettler, Germany

08:30 – 08:45 Opening

08:45 – 09:45 Workshops

1. Ventilator settings and monitoring (normal pattern)
(Group A and B)

David Tingay, Australia; Alberto Medina Villanueva, Spain

2. Interfaces and NIV ventilators (Group C and D)

Yolanda Margarita Lopez Fernandez, Spain; Nilufer Yalindag-Ozturk, Turkey; Rui Bacelos Silva, Portugal; Marcel Tinnevelt, Netherlands; Maartje van Poppel,

Netherlands

09:45 – 10:45 Workshops

1. Ventilator settings and monitoring (normal pattern) (Group C and D)
David Tingay, Australia; Alberto Medina Villanueva, Spain; Martin Kneyber, Netherlands
2. Interfaces and NIV ventilators (Group A and B)
Yolanda Margarita Lopez Fernandez, Spain; Nilufer Yalindag-Ozturk, Turkey; Rui Bacelos Silva, Portugal; Marcel Tinnevelt, Netherlands; Maartje van Poppel, Netherlands

10:45 – 11:00 Coffee Break

11:00 – 12:00 Workshops

1. Nursing cares/Warming/ Humidification/ airway clearance/sedation (Group A and B)
David Tingay, Australia; Nilufer Yalindag-Ozturk, Turkey; Rui Bacelos Silva, Portugal; Marcel Tinnevelt, Netherlands; Maartje van Poppel, Netherlands
2. MV clinical cases (obstructive pattern) (Group C and D)
Yolanda Margarita Lopez Fernandez, Spain; Alberto Medina Villanueva, Spain; Martin Kneyber, Netherlands

12:00 – 13:00 Workshops

1. Nursing cares/Warming/ Humidification/ airway clearance/sedation (Group A and B)
David Tingay, Australia; Nilufer Yalindag-Ozturk, Turkey; Rui Bacelos Silva, Portugal; Marcel Tinnevelt, Netherlands; Maartje van Poppel, Netherlands
2. MV clinical cases (obstructive pattern) (Group A and B)
Yolanda Margarita Lopez Fernandez, Spain; Alberto Medina Villanueva, Spain; Martin Kneyber, Netherlands

13:00 – 14.00 Lunch

14.00 – 15.00 Workshops

1. NIV clinical cases (Group A and B)
Yolanda Margarita Lopez Fernandez, Spain; Nilufer Yalindag-Ozturk, Turkey; Rui Bacelos Silva, Portugal; Marcel Tinnevelt, Netherlands; Maartje van Poppel, Netherlands
2. MV clinical cases (restrictive pattern) (Group C and D).
David, Alberto
David Tingay, Australia; Alberto Medina Villanueva, Spain; Martin Kneyber, Netherlands

15:00 – 15:15 Coffee Break

15.15 – 16.15 Workshops

1. NIV clinical cases (Group C and D)
Yolanda Margarita Lopez Fernandez, Spain; Nilufer Yalindag-Ozturk, Turkey; Rui Bacelos Silva, Portugal; Marcel Tinnevelt, Netherlands; Maartje van Poppel, Netherlands
2. MV clinical cases (restrictive pattern) (Group A and B)
David Tingay, Australia; Alberto Medina Villanueva, Spain; Martin Kneyber, Netherlands

16:15 – 16:30 Final discussion, Q&A 08:30-08:40 Introduction to course, presentation of participants and faculty

Yogen Singh, USA

08:40-09:20 Basics of Cardiac ultrasound

Cecile Tissot, Switzerland

09:20-10:00 Cardiac POCUS and functional echocardiography in the NICU – Why, how and when?

Yogen Singh, USA

10:00-10:30 Cardiac POCUS in the emergency situations in neonates and children – ultrasound

Cecile Tissot, Switzerland

10:30-11:00 Coffee break

11:00-11:30 Use of POCUS for line placement

Zoltan Gyorgyi, UK

11:30-12:00 Lung ultrasound

Nadya Yousef, France

12:00-12:30 POCUS for abdomen

12:30-13:30 Lunch

13:30 -15:00 Hands-on

15:00 – 15:30 Coffee break

15:30-16:45 Hands-on

16:45 Closing remarks Sepsis remains a major cause of morbidity and mortality worldwide. During the past decade, our understanding of sepsis in children has progressed; at the same time, epidemiology has evolved as we witnessed during the pandemic. While the 2020 Surviving Sepsis Campaign (SSC) provide guidelines for paediatric-specific best practice, controversies surrounding sepsis recognition, initial treatment such as antibiotics and fluids, and management of refractory shock have become more accentuated.

ESPNIC is proud to host a unique workshop of worldwide experts in paediatric sepsis, which aims to provide participants with state-of-the-art updates on key topics in sepsis which are relevant for clinical care. The faculty includes experts involved in leading the paediatric SSC as well as the paediatric Sepsis Definition Taskforce. The course will be structured into four blocks, including Basics of sepsis, SSC – Best Practice, Rescue strategies, and Quality Improvement. In addition to keynote lectures, the workshop will include two group work sessions, where participants will interactively work through challenging scenario with faculty in smaller groups.

The workshop is designed to meet the needs of multidisciplinary senior and junior staff working in ICU or neonatology, and disciplines such as ED and general paediatrics; furthermore, the faculty welcomes the participation nursing and allied health, as well as students.

Programme:

Opening: **Luregn Schlapbach, Switzerland; Gabriella Bottari, Italy**

Part 1: Basics of sepsis in children

The evolution of sepsis concepts from a global perspective – where are we in 2023? **Luc Morin, France** (30min)

10 Things I still don't understand about paediatric sepsis
Mark Peters, UK (30min)

Dysregulated host response in sepsis, toxic shock, and MIS-C
Michael Carter, UK (30min)

Break

Part 2: Surviving Sepsis Campaign – Current best practice

Getting the basics right: antibiotics, fluids, initial resuscitation and the surrounding controversies
Luregn Schlapbach, Switzerland (20min)

Update on Surviving Sepsis Campaign
Pierre Tissieres, France (20min)

Part 3: Rescue strategies – challenging situations

Sepsis in high risk populations
Roelie von Asperen, Netherlands (25min)

Adjuncts in septic shock – pro's and con's of immunabsorption
Gabriella Bottari, Italy (25min)

Lunch break

Advanced septic shock management: Case discussions (**Luc Morin, France / Mark Peters, UK; Gabriella Bottari, Italy/Pierre Tissieres, France; Luregn Schlapbach, Switzerland/Michael Carter, UK**) – 90min

Part 4: Quality Improvement and Outlook

Group work: How to implement quality improvement in neonatal and paediatric sepsis at your institution

(3 groups: in-hospital outside ICU; within ICU; regional)

Gabriella Bottari, Italy; Luregn Schlapbach, Switzerland; Luc Morin, France – 60min

Break

Groups report back to entire workshop: How to implement quality improvement in neonatal and paediatric sepsis at your institution

Gabriella Bottari, Italy; Luregn Schlapbach, Switzerland (5 min each group, 5 min discussion at the end, total 20 min)

The future: personalized medicine in paediatric sepsis

Michael Carter, UK (30min)

Closure and feedback: **Luregn Schlapbach, Switzerland; Gabriella Bottari, Italy** (10min)**Course leaders/speakers:**

Monique van Dijk, Netherlands

Jos Latour, UK

Dick Tibboel (ICM-PN), Netherlands

Lyvonne Tume (Nursing in Critical Care), UK

Practical: Come along with your idea or results of a project and the hands-on **workshop** provides you with a foundation of what and how to publish. We offer support on how you can start your writing journey towards a successful article.

Programme:

09:00: Welcome & Introduction (Monique van Dijk & Jos Latour)

09:15: Curriculum I (Monique van Dijk & Jos Latour)

- The train starts: Write your title and what it adds
- Pick your own: Targeting the right journal
- Follow the leader: Obeying the authors' guidelines

10:30: Break & Networking

11:00: Curriculum II (Monique van Dijk & Jos Latour)

- The correct way: Follow the reporting guidelines
- Selling your work: Pinning down the abstract
- The true story I: Mapping the main article contents – Introduction & methods

12:30: Lunch & Networking

13:15: Curriculum III (Monique van Dijk & Jos Latour)

- The true story II: Mapping the main article contents – Results & Discussion
- Mind the gap: Plagiarism, referencing, and copyright
- Make the impact: From SoMe to Altmetrics to the Press room

14:45: Break & Networking

15:00: Curriculum IV (Lyvonne Tume & Dick Tibboel)

- What they say: The Editor's suggestion
- What they want: The Editor's choice
- What they accept: The Editor's decision

A workshop exclusively dedicated to Quality Improvement in the NICU. How to improve critical issues of NICU care through shared engagement, simulation and dedicated protocols based on best evidences. Discuss with Prof. Soll a world known expert of neonatal EBM and with authors of successful examples of NICUquality improvement projects!

13:00-16:30

Chairs: Manuel Sanchez Luna, Spain; Alessandra Maggioni, UK

1/ Lectures (45 min) QI principles: Roger Soll, USA

Questions 15 min

2/ QI examples:

Manuel Sanchez – Luna, Spain (15 min)

Daniele De Luca, France (15 min)

Alessandra Maggioni, UK (15 min)

3/ Open discussion with participants (90 min)