

Pre-Congress Courses & Congress Workshops

We strongly believe in continued education and invite you to explore and join our 11 hands-on pre-congress courses and workshops taking place before and during the EAPS 2024 Congress.

Space is limited, pre-registration and payment is required in order to secure your ticket. Course/workshop registration works on a 'first come, first serve basis'. Registration is available through the [registration page](#). For any queries please contact reg_eaps24@kenes.com.

Please browse the list of courses and workshops.

Click on the name of the session for a detailed programme.

Course name	Date	Time	Location	Early registration fee	Onsite registration fee
Pre-Congress Courses					
Pre-Congress Course 1 (ESN*): Neonatal and paediatric vascular access	October 17, 2024	08:30-16:00	Congress Venue	€75	€90
Pre-Congress Course 2 (ESN*): Neonatologist Performed Echocardiography	October 17, 2024	08:30-16:00	Congress Venue	€100	€115
Pre-Congress Course 3 (ESN*): How to treat and care for the micropreemie: Pharmacotherapy and beyond	October 17, 2024	08:30-16:00	Congress Venue	€75	€90
Pre-Congress Course 4 (ESN*): Neonatal Cranial Ultrasound, meet the experts	October 17, 2024	08:30-16:00	Congress Venue	€75	€90
Pre-Congress Course 5 (ESN*): Advanced Neonatal Life Support; Training & Debriefing	October 17, 2024	2 sessions to be repeated: 09:00 – 12:00 & 13:00-16:00	Pediatric Simulation Training Center, Vienna General Hospital, Department of Pediatrics	€75	€90
Pre-Congress Course 6 (ESN*): Neuromonitoring in the NICU and PICU	October 17, 2024	2 sessions to be repeated: 09:00 – 12:00 & 13:00-16:00	Pediatric Simulation Training Center, Vienna General Hospital, Department of Pediatrics	€75	€90
Workshops during the Congress					
Workshop 01 (ESN*): Translational research in Perinatology	October 18, 2024	08:00-13:00	Congress Venue	€60	€75
Workshop 02: Atraumatic lumbar puncture	October 18, 2024	Select 1 slot from: 14:30-15:15/ 15:15-16:00/ 16:30-17:15	Congress Venue	€60	€75

Workshop 03: Updates on non-invasive ventilation and bedside respiratory function monitoring in the newborn	October 19, 2024	08:00-13:00	Congress Venue	€60	€75
Workshop 04 (ESN*): Writing your next publication with the editors	October 19, 2024	14:30-17:30	Congress Venue	€40	€55
Workshop 05 (ESN*): Lactation and breastfeeding: Ensure babies thrive whilst keeping parents on your side	October 20, 2024	08:00-13:00	Congress Venue	€60	€75

*The European School of Neonatology (ESN) is the educational arm of the European Society for Paediatric Research in Neonatology.

Eligibility

ESN pre-congress courses are open to any medical professional who supports the aims of the European Society for Paediatric Research (ESPR).

ECTS points

Trainees of the ESN pre-congress courses receive European Credit Transfer and Accumulation System (ECTS) points for their participation:

- Half-day course: 0.25 ECTS points.
- 1-day course: 0.5 ECTS points.
- 2-day course: 1 ECTS point.

At the end of the congress, you will be rewarded with a course certificate. All ECTS points accumulated through attending ESN educational offers or by attending courses from partner organisations can be counted towards obtaining a degree from the ESN, such as the Master of Advanced Studies (MAS) in Neonatology.

About the ESN

The European School of Neonatology (ESN) equips medical professionals with the necessary knowledge, skills, competences, and attitudes required to practise high-quality neonatal medicine tailored to their local clinical setting. Taking into account principles of evidence-based medicine, ESN programming joins theory and practice so that medical

professionals can effectively practise Neonatology at all levels of care. Amongst the ESN offers are a Master of Advanced Studies (MAS) in Neonatology, a Master of Science (MSc) in Neonatology, Special Courses and Training, and the free Lecture series 'Perspectives on Effective Neonatology'. To find out more about the ESN, [click here](#). [Click here](#) to download the programme

09:00 – 09:10 Time for revolution in neonatal vascular access
Fiammetta Piersigilli, Belgium

09:10 – 09:40 The many uses of ultrasound in neonatal vascular
Robin Van der Lee, Netherlands

09:40 – 10:00 Visualization of superficial veins in neonates (RaSuVA protocol and NIR technology) and insertion of epicutaneo-cava catheters
Vito D'andrea, Italy

10:00 – 10:20 Insertion of umbilical venous catheters
Giovanni Barone, Italy

10:20 – 10:40 Ultrasound guided central catheters (CICCs and FICCs) in neonates
Mauro Pittiruti, Italy

10:30 – 11:00 Coffee break

11:00 – 11:20 Securement of the catheter and protection of the exit site: cyanoacrylate glue and transparent membranes
Roland Van Rens, Netherlands

11:20 – 11:40 Technique of intraosseous access in neonates
Bernhard Schwabegger, Austria

11:40 – 12:00 Prevention of central line associated blood stream infections –
Fiammetta Piersigilli, Belgium

12:00 – 12:20 Open discussion / Q&A

12:20 – 13:00 Videos / discussion / Q&A

13:00 – 14:00 Lunch break

14:00-15:30

Hands on practice:

Skill station 1 – Ultrasound visualization of superficial and

deep veins and echocardiography for tip location (on volunteers)

Fiammetta Piersigilli, Belgium; Giovanni Barone, Italy

Skill station 2 – Techniques of ultrasound guided venipuncture (on simulator)

Robin Van der Lee, Netherlands; Anna Milan, UK

Skill station 3 – Techniques for catheter securement and protection of the exit site (on simulator)

15:30 – 17:00 Continuation of hands on practice

Vito D'andrea, Italy; Roland Van Rens, Netherlands; Bernhard Schwabegger, Austria **Goals:**

- To introduce Neonatologist Performed Echocardiography, both theoretically (lectures) and practically (hands-on)
- To discuss the use of NPE for the assessment of several causes of neonatal haemodynamic failure

09:00 Welcome

Eirik Nestaas, Norway

09:10 How to get good images

Samir Gupta, UK

09:30 Routine Ultrasound Views

Eirik Nestaas, Norway

10:10 Review "Use of NPE in our clinic – clinical context"

Eugene Dempsey, Ireland

10:40 Coffee break

11:10 Assessment of PDA

Silvia Martini, Italy

11:40 Assessment of PPHN

Kasper Jacobsen Kyng, Denmark

12:10 Assessment of Neonatal Shock

Holger Michel, Germany

12:40 Lunch break

13:30 Hands-on Sessions*

16:15 Wrap-up

Kasper Jacobsen Kyng, Denmark & Silvia Martini, Italy

16:30 End

*Hands-on Sessions – There will be multiple stations during the hands-on sessions in the afternoon, so echocardiography can be practiced in smaller groups allowing hands-on experience for everyone (both on simulator and volunteers, i.e. healthy children).08:30 – 08:40 Welcome

INTERACTIVE DISCUSSION

08:40 – 09:00 Q&A with audience on expectations and sessions pre-congress course

CARE OF THE MICROPREEMIE

09:00– 09:20 Birth of the micropreemie: Delivery room management

Richard Sindelar, Sweden

09:20 – 09:30 Discussion

09:30 – 09:50 Intensive care of the micropreemie: An immature science

Angela Kribs, Germany

09:50 – 10:00 Discussion

PROTECTING THE MICROPREEMIE

10:00 – 10:20 What is new in brain therapeutics for extremely preterm neonates

Pierre Gressens, France

10:20 – 10:30 Discussion

10:30-11:00 Coffee break

11:00 – 11:20 What is new in infection prevention in extremely preterm neonates

Eleanor Molloy, Ireland

11:20 – 11:30 Discussion

INTERACTIVE DISCUSSION

11:30 – 12:00 Q&A with audience on expectations and sessions pre-congress course

PHARMACOTHERAPY OF THE MICROPREEMIE

12:00 – 12:20 From immature pharmacotherapy towards pharmacotherapy of the immature

Karel Allergaert, Belgium

12:20 – 12:30 Discussion

12:30 – 13:30 Lunch break

13:30 – 13:50 Steroids for the extreme preterm neonate

Olivier Baud, Switzerland

13:50– 14:00 Discussion

14:00– 14:20 How to optimally use respiratory stimulating drugs in extreme preterm neonates?

Sinno Simons, Netherlands

14:20 – 14:30 Discussion

14:30 – 14:50 Update on hemodynamic pharmacotherapy of the extreme preterm neonate

14:50 – 15:00 Discussion

INTERACTIVE DISCUSSION

15:00 – 15:30 Interactive discussion with audience

WRAP UP AND LESSONS LEARNED

15:30 – 16:00 Wrap up and lessons learned presented by experts
Cranial ultrasound is the most widely used neuroimaging tool to study the newborn brain. Traditionally, its main role was to detect major brain lesions in preterm infants, such as intraventricular hemorrhage and its complications and cystic

white matter injury. However, the quality of both the ultrasound equipment and technique has improved considerably over time. This provides new possibilities, for the recognition of other forms of brain lesions, for treatment and for outcome prediction. On the other hand cranial ultrasound still has its limitations and in some cases other types of imaging may be preferred.

This workshop focusses on the role of cranial ultrasound for the main neurologic conditions present in the neonatal intensive care unit and focusses on the “how , why, when and what” questions. It brings also many examples and room for interactive discussions.

Programme:

09:00 – 09:15 Welcome and registration

09:15 – 09:35 How to come to an optimal CUS protocol in your NICU

Jeroen Dudink, Netherlands

09:35 – 09:40 Discussion

09:40 – 10:00 Why perform Doppler ultrasound; technical and clinical aspects

Sandra Horsch, Germany

10:00 – 10:05 Discussion

10:05 – 10:25 When to intervene; CUS in IVH and PHVD

Mayka Bravo, Spain

10:25 – 10:30 Discussion

10:30 – 11:00 Coffee break

10:00 – 11:20 How to image the posterior fossa

Sylke Steggerda, Netherlands

11:20 – 11:25 Discussion

11:25 – 11:45 What to expect from ultrasound in brain infections

Ana Alarcon Allen, Spain

11:45 – 11:50 Discussion

11:50 – 12:00 Interactive case discussion

13:00 – 14:00 Lunch break

14:00 – 14:20 Why perform ultrasound in HIE, when you also do MRI

Isabel Benavente, Spain

14:20 – 14:25 Discussion

14:25 – 15:30 Interactive case discussion

15:30 – 16:00 What do we tell parents; CUS and outcome prediction – Panel discussion

16:00 – 16:20 QUIZ, show your CUS knowledge and win a prize

16:20 – 16:30 Closing remarks and good bye
Participants will experience two different emergency scenarios within a high-fidelity simulated neonatal resuscitation or intensive care unit setting. Scenarios will be debriefed afterwards to discuss learning objectives and to reflect on trainees' performance. Necessary qualification to attend this workshop is basic knowledge about neonatal life support.

Learning goals: Advanced Neonatal Life Support, Human Factors, Non-Technical Skills, Set-up of high-fidelity simulation-based training

09:00-09:30 – Introduction to simulation-based training / Familiarisation

09:30 – 10:30 – Simulation + Debriefing Case 1

10:30 – 10:45 – Break

10:45 – 11:45 – Simulation + Debriefing Case 2

11:45 – 12:00 – Summary and Discussion

Instructors:

Lorenz Sommer, Austria

Hannah Schwarz, Austria

Katharina Bibl, Austria

Marije Hogeveen, Netherlands

Tomasz Szczapa, Poland

Lukas Mileder, Austria

Michael Wagner,
Austria[accordion_father][[/accordion_father]Workshop
objective: To have different perspectives in modelling and
evaluating causes and consequences of perinatal challenges and
to discuss critical phases of early career development of
basic scientists, medical and clinical researchers who are
interested in an academic career in Neonatology.

08:00 – 08:05 Welcome

08:05 – 08:25 Causes and consequences of perinatal brain
injury – basic research perspective

Ivo Bendix, Germany

08:25 – 08:45 Structural and functional lung remodelling
following experimental perinatal insults

Miguel Alejandro Alcazar, Germany

08:45 – 09:05 Modelling intraventricular haemorrhages in a
preterm rabbit model – mechanisms and therapeutic approaches

Magnus Gram, Sweden

09:05 – 09:25 Overcoming translational roadblocks – multidrug
comparison in a model of neonatal encephalopathy

09:25 – 10:00 Round table – keep the fire burning

10:00 – 10:30 Coffee break

10:30 – 10:50 Impact of immune cell frequencies and function
on perinatal brain injury

10:50 – 11:10 Early interventions to improve neonatal outcome
in low-resource settings

Cally Tann, UK

11:10 – 11:30 Multi-organ injury in perinatal ovine models

Tim Wolfs, Netherlands

11:30 – 11:45 Round table – Do's and Don't's in academia

11:45 – 12:00 Short break

12:00 – 12:55 How to get your paper published (the Editors
perspective)

Eleanor Mollo, Ireland

12:55 – 13:00 Closing/feedback discussionParticipants can
select one of 3 slots to attend:

14:40-15:15

15:15-16:00

16:30-17:15

Faculty: Annemie Bauters, Belgium **Aim:** to understand the working mechanisms and optimization strategies of the more advanced non-invasive ventilation modes (including NIPPV and Synchronized NIPPV, nasal HFV, and NIV NAVA); to learn the principles behind two attractive, non-invasive respiratory function monitoring techniques – the Electrical Impedance Tomography (EIT) and Respiratory Oscillometry (or FOT) – and their applicability in neonatology.

Program:

8:00-8:10 Introduction

Bernard Barzilay, Israel

8:10-8:30 Newer Modes of Non-Invasive Ventilation (nIPPV+Non Invasive HFV)

Hans Fuchs, Germany

8:30-8:50 Closed Loop Oxygen Control on Non-Invasive Respiratory Support

Theodore Dassios, UK

8:50-9:10 NIV NAVA

Richard Sindelar, Sweden

9:10-9:30 Electrical Impedance Tomography

Anton van Kaam, Netherlands

9:30-10:00 Respiratory Oscillometry (Forced Oscillation Technique, FOT)

Anna Lavizzari, Italy

10:00-10:30 Coffee Break

Practical Sessions:

The participants will be divided into 3 groups.

3 Rotating Stations, each station will be 45 minutes.

Station 1: nIPPV + nHFV

Bernard Barzilay, Israel & Hans Fuchs, Germany

Station 2: NIV-NAVA

Richard Sindelar, Sweden & Theodore Dassios, UK

Station 3: Respiratory function monitoring: Electrical Impedance Tomography and Respiratory Oscillometry (Forced Oscillation Technique, FOT)

Anna Lavizzari, Italy & Anton van Kaam, Netherlands 14:30 – 15:30 Writing your draft manuscript

Jos Latour, UK

15:30 – 15:45 Your journal choice, completing, and submitting

Agnes van den Hoogen, Netherlands

15:45 – 16:00 What reviewers say about your manuscript and how to reply

Eleanor Molloy, Ireland

16:00 – 16:30 Coffee Break & networking

16:30 – 17:30 Debate with the Editor in Chief: what they say, what they want, what they accept (Pediatric Research)

Cynthia Bearer, USA

16:30 – 17:30 Debate with the Editor in Chief: what they say, what they want, what they accept (European Journal of Pediatrics) 08:00-08:30

Faculty: *Johanna Sargeant & Janet Prince, Switzerland*

The problem: Why does it matter?

- Parents are learning not to trust their paediatricians.
- Maternal mental health's connection to breastfeeding, and its impact on infant health
- Results of interviews with parents
- Quiz – Where is your knowledge lacking?

08:30-09:00

Typical weight gain challenges and how to advise – Rule #1:
Feed the baby.

- Low weight gain
- Low milk supply
- Supplementation – keep babies fed and protect breastfeeding

09:00-10:00

The cause?!

- Typical issues with the baby's oral function
 - Tongue Ties
 - Feeding Coordination
 - high and low tone
 - Oral aversion
- Typical issues with the mother
 - Hormonal imbalance
 - Blood loss and birth trauma
 - Hypoplastic breasts
 - Ideal blood values

10:00-10:30

Typical infant problems – connection to breastfeeding, and what to do?

- Frequent feeds / long feeds
- Candida / thrush
- Infant Reflux
- Dietary sensitivities
- Frequency and duration of feeds

11:30-12:30

Quick Fixes! Easy, quick advice for parents:

- Biological feeding position and skin to skin

- Switch feeding
- Careful supplementation (eg paced bottle feeding)
- Flange size when pumping

12:30-13:00

Communication: What parents really need from you:

- How to keep parents on your side while helping babies thrive
- Awareness of personal bias
- When to refer out and who to refer to