

THE 12TH DRESDEN SYMPOSIUM / ESPR SPRING SCHOOL

Friday, March 12th and Saturday, March 13th 2021
Online

Dear friends and colleagues,

it is a great pleasure to invite you to our 12th annual „Dresden Symposium“, the ESPR spring school.

The meeting in March has become the kick-off for the academic year of clinicians and researchers who are interested in improving care of new-borns. During the past decade we were happy to host many dear friends and colleagues in Dresden and to provide an atmosphere for scientific exchange.

In order to cope with the current situation, we decided to have the meeting in 2021 within a virtual surrounding. Nevertheless, we hope to keep the spirit of the meeting alive and to provide a platform for intensive exchange between clinicians and scientists who are interested in Delivery Room Management. In order to cover a broad range of relevant topics we have invited speakers to cover the following topics:

- *Prenatal Medicine meets Neonatology.*
- *Overview of current practice in the delivery room.*
- *Experimental data on perinatal transition challenging current held beliefs.*
- *A look in the future of delivery room management.*
- *The new guidelines on delivery room management.*
- *Young investigators present their research projects.*

You will find the detailed program below. As always, we are interested to provide the opportunity for intensive discussions. Therefore, we restrict the online meeting to 100 participants. There will be no charge, however, you are required to register at sabine.resch@ukdd.de. If you are not available on the 12th of March you will have the chance to watch the recording of the meeting thereafter.

The programme is divided into two parts: on the first day, you will have the opportunity to attend cutting-edge lectures in Delivery Room Management. On the second day, the highly-interactive ESPR courses offer a chance to young clinicians from different parts of the world on pertinent to optimal perinatal management and quality improvement. You will find more details below.

We are looking forward to seeing you in March



Mario Rüdiger



Arjan te Pas



Charles Christoph Röhr

PROGRAM DAY 1 – MARCH 12TH: DELIVERY ROOM MANAGEMENT

(Time is given as Central European Time)

09.00 – 11.00 ESPR section neonatal resuscitation meeting (tePas/Rüdiger)

The meeting is open to members of the ESCNR or interested ESPR members upon request. For further details please contact A.B.te_Pas@lumc.nl

11.00 Welcome to the 12th Dresden Symposium

Host (Rüdiger)

ESCNR (te Pas)

ESPR (Röhr)

11.15 – 11.40 am Key-note lecture and High light of the day (te Pas/Leiden)

Professor Stuart Hooper will join the meeting from Australia and will take you through the recent findings of animal experiments and tell you the most important new insights in transition and resuscitation that a neonatologist should be aware of.

Experimental data on perinatal transition challenging current held beliefs. (Stuart Hooper)

11.40 – 11.50 am Young Investigator Presentation: Respiratory support after delayed cord clamping: a prospective cohort study of paediatrician-attended births at $\geq 32+0$ weeks gestation (Badurdeen/Melbourne)

12.00 – 1.00 am Prenatal Medicine meets neonatology (Birdir/Dresden)

Management in DR depends very much on quality of prenatal care. Distinguished obstetricians present recent data upon management of high-risk pregnancies and are happy to discuss it with neonatologists.

12.00 – 12.20 The obstetrical view on physiology based cord-clamping (Philip DeKoninck/Rotterdam)

12.25 – 12.45 Intra-uterine Growth retardation: How does the fetal medicine specialist think and manage? (Gratacós/Barcelona)

12.50 – 1.10 Screening and prevention of perinatal death? (Akolekar/London)

1.15 – 1.30 pm Break and exchange with companies

Use the time to get a coffee or to listen to presentations of different companies. The following companies are available for questions and would be happy to discuss their new product with you.

1.15 pm Chiesi (video)

1.20 pm ALD

1.25 pm MedCare

Monivent (short presentation)

1.30 – 3.25 pm Overview of current practice (Knol/Rotterdam)

Supporting transition of newborn infants in the delivery room is part of neonatologist's daily work. In order to base your work on current knowledge, international experts will provide you with an update on new developments and will answer emerging questions.

1.30 – 1.45 Transitional circulation & Hemodynamic monitoring in newborn infants (Gupta/Durham)

1.50 – 2.05 Reference range for respiratory parameters in healthy term newborn infants with delayed cord clamping during postnatal stabilization (Vento/Valencia)

2.10 – 2.25 Thermoregulation in the delivery room (Dunne/Dublin)

2.30 – 2.45 Cerebral oxygenation and perfusion during neonatal transition (Urlesberger/Graz)

2.50 – 3.05 Physiologic measurements of the effect of delayed cord clamping (Brouwer/Leiden)

3.10 – 3.25 How to stimulate breathing in the DR? (Kaufmann/Dresden)

3.30 – 3.45 pm Break and exchange with companies

Use the time to get a coffee or to listen to presentations of different companies. The following companies are available for questions and would be happy to discuss their new product with you.

3.30 pm MedCare (video)

3.35 pm Concord

3.40 pm Natus

Monivent (short presentation)

3.45 – 4.00 pm The Roland-R-Wauer Award

Professor Charles Christoph Röhr will look back at the life of Professor Roland R. Wauer: neonatologist, scientist, teacher and visionary. In memoriam of Professor Wauer, he will introduce the Roland R. Wauer Award, creating a travel fund to support medical students and junior trainees to visit well-known neonatal units throughout Europe to help experience first class neonatal research. The award is supported by the Deutsche Stiftung Kranke Neugeborene (DSKN) and the European Society for Paediatric Research (ESPR).

4.00 – 5.00 pm A look into the future (Foglia/Philadelphia)

Several questions are still waiting for an answer. Supporting transition of newborn infants in the delivery room is part of daily business of neonatologists. Therefore, it is important to get a regular update on new developments in DR-management. International experts will summarize the current knowledge and will be able to answer emerging questions.

- 4.00 – 4.15 Technology to improve team performance (Wagner/Vienna)
- 4.20 – 4.35 The newborn delivery room of the future: Emerging and future technologies (Sharkey/Nottingham)
- 4.40 – 4.55 The CORSAD trial – lessons learned (N.N.)

5.00 – 5.15 pm Break and exchange with companies

Use the time to get a coffee or to listen to presentations of different companies. The following companies are available for questions and would be happy to discuss their new product with you.

- 5.00 pm Surepulse
- 5.05 pm Chiesi
- 5.10 pm Saegeling (video)
Monivent (short presentation)

5.15 – 6.15 pm New Resuscitation guidelines (Röhr/Oxford)

Guidelines are an important help to provide appropriate care. The new ERC guidelines on support of transition and neonatal resuscitation will be published in March. These guidelines are based on Consensus of Science Treatment Recommendation as published by ILCOR. Two distinguished experts will keep you up-to-date on the new ERC guidelines and what is the science behind it.

- 5.15 – 5.35 What is new in the ERC-guideline (Madar/Plymouth)
- 5.45 – 6.05 CoSTR of ILCOR – What science can tell us or not? (Wyckoff/Dallas)

6.15 – 6.30 pm Break and exchange with companies

Use the time to get a coffee or to listen to presentations of different companies. The following companies are available for questions and would be happy to discuss their new product with you.

- 6.15 pm Concord (video)
- 6.20 pm Saegeling
- 6.25 pm ESPR
Monivent (short presentation)

6.30 – 8.00 pm Young Investigator Presentations (Mense/Dresden)

Take a glass of wine and enjoy the exciting presentations of young investigators. Discuss their projects and support the scientists.

- 6.30 – 6.40 Physiological responses to facemask application in newborns immediately after birth (Gaertner/Zürich)
- 6.45 – 6.55 Assessment of optimal chest compression depth during neonatal cardiopulmonary resuscitation: A randomized controlled animal trial (Bruckner/Graz)
- 7.00 – 7.10 The influence of cut-umbilical cord milking on the cerebral oxygenation and perfusion in preterm infants – a randomized controlled pilot trial (Schober/Graz)
- 7.15 – 7.25 Impact of blood gas carbon dioxide (pCO₂) on routine and near-infrared spectroscopy (NIRS) monitoring parameters in term and preterm neonates without respiratory support 15 minutes after birth (Wolfsberger/Graz)
- 7.30 – 7.40 Effectiveness of positive pressure ventilation in term and late preterm infants in the first minutes after birth (Thomann/Zürich)

PROGRAM DAY 2 – MARCH 13TH: ESPR COURSES ON PERTINENT TO OPTIMAL PERINATAL MANAGEMENT AND QUALITY IMPROVEMENT.

Dear friends and colleagues,

It is a great pleasure to invite you to another edition of the ESPR-Spring School.

Despite the challenges of the current times, we are proud to offer you a great selection of courses pertinent to optimal perinatal management and quality improvement.

You will find the detailed program below. As always, we are interested to provide the opportunity for intensive discussions. Therefore, we restrict the number of participants to 12 per course. The participation is free of charge for ESPR-members but there will be a participation fee of 10 Euro for non-ESPR members. All participants will please need to register with Sabine.Resch@ukdd.de.

We are looking forward to seeing you in March



Mario Rüdiger



Arjan te Pas



Charles Christoph Röhr

11.00 – 12.30 am First Session

- *How to manage an extremely preterm infant in DR.*
- *Using Simulation to Improve Team Performance in DR.*
- *How to audit your management in the Delivery Room?*
- *Monitoring vital parameters in the Delivery Room.*
- *Intact cord stabilization with the Concord Birth Trolley (sponsored by Concord Neonatal)*

1.00 – 1.30 pm Coffee Break

You will have the chance to chat with other participants in the break.

1.30 – 3.00 pm Second Session

- *How to manage an extremely preterm infant in DR.*
- *Using Simulation to Improve Team Performance in DR.*
- *How to audit your management in the Delivery Room?*
- *Monitoring vital parameters in the Delivery Room.*
- *Intact cord stabilization with the Concord Birth Trolley (sponsored by Concord Neonatal)*

9.00 – 11.30 am “How to develop a medicinal cell product and bring it into clinical care?”

From cell to success – Commercialization paths for scientists. (MDTB Cells)

How to manage an extremely preterm infant in the Delivery room? *(Lars Mense / Dresden)*

At birth, extremely preterm infants require specialised support of their transition into ex-utero life. A gentle approach of delivery room management has been established locally through the last decade. Techniques, policies, data and experiences will be discussed and patient cases simulated in this workshop.

Using Simulation to Improve Team Performance in the Delivery Room. *(Wagner & Bibl / Vienna)*

Delivery room management is crucial to provide an optimal start into neonatal life. Improving team performance will help to prevent mortality and morbidity in a high-risk population. You will see and discuss how simulation helps to improve team performance in the Delivery Room.

How to audit your management in the Delivery Room? *(Ruben Witlox / Leiden)*

Supporting postnatal transition or resuscitation of newborns requires an inter-professional team. Quality of your management in the Delivery Room is determined by a successful interaction of varying team members. A structured audit of your DR-management can help you to improve DR-management in your unit. You will learn how to introduce and sustain a successful auditing-process.

Monitoring vital parameters in the Delivery Room. *(Arjan tePas / Leiden)*

Various devices are available to monitor vital parameters of the Newborn. You will discuss recent advances in monitoring heart rate and oxygen saturation.

Intact cord stabilization with the Concord Birth Trolley *(sponsored by Concord Neonatal)*

The timing of umbilical cord clamping has become a hot topic for obstetrics and neonatal caregivers in recent years. Midwives have been practicing delayed cord clamping (DCC) in healthy term infants for decades. In recent years it is becoming more and more apparent that there is a much larger potential benefit if cord clamping is delayed until after the lung has aerated. But how to incorporate delaying cord clamping with stabilization of infants at birth? In this practical and interactive (virtual) workshop we will discuss important aspects of stabilizing the neonate immediately after birth, while keeping the umbilical cord intact. During the workshop we can look at, and discuss, different workflow aspects in a remote simulated setting, with the Concord Birth Trolley and learn from the experience of early adopter users, like the Dresden University Hospital.

How to develop a medicinal cell product and bring it into clinical care? *(MDTB Cells)*

Scientific work aims to improve care of preterm or sick neonates. However, there is long journey between bench and bedside. Unfortunately, translation of scientific results into daily care is often hampered by a lack of knowledge regarding the chances of commercialisation. You will discuss – based on experience in introducing cell therapy into clinical care – what should be considered during the path of commercialisation.

ORGANIZER:

Carl Gustav Carus Management GmbH
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c/o University Hospital Carl Gustav Carus Dresden
www.carus-management.de

CGC Management GmbH is responsible for the contractual and financial settlement of this event.

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Your personal data will be treated strictly confidential and stored only for the above-mentioned purpose and will not be shared with third parties without your express consent.

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According to the guidelines of the (Model) Professional Code for Physicians in Germany (MBO) § 32 (3), FSA Code of Conduct § 20 (5) and AKG Code of Conduct § 19 (5), organizers are obligated to disclose the financial support.

All information was correct at the time of going to press.