Saxony Center for Feto/neonatal Health

THE 12TH DRESDEN SYMPOSIUM

Friday, March 12th, 2021
11 am – 8 pm CET
Online

Dear friends and colleagues,

it is a great pleasure to invite you to our 12th annual „Dresden Symposium".

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.

For young clinicians from different parts of the world we will have the ESPR Spring School as well. It will take place on Saturday, March 13th 2021.

We are looking forward to seeing you in March

Mario Rüdiger | Arjan te Pas | Charles Christoph Röhr

PRELIMINARY PROGRAM

(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 (*Roehr*)

11.15 – 12.15 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.

11.15 – 11.35 The obstetrical view on physiology based cord-clamping (*van den Akker / Leiden*)
11.45 – 12.05 Intra-uterine Growth retardation: How does the fetal medicine specialist think and manage? (Gratacos aus Barcelona)
12.15 – 12.35 Is it possible to prevent intrauterine death? (Prof. Akolekar, FMF-London)

12.45 – 1.00 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.

12.45 Concord
12.50 ESPR
12.55 t.b.a.

1.00 – 3.15 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.

1.00 – 1.15 Transitional circulation & Hemodynamic monitoring in newborn infants (*Schmölzer/Graz*)
1.25 – 1.40 Reference range for respiratory parameters in healthy term newborn infants with delayed cord clamping during postnatal stabilization *(Vento/Valencia)*
1.50 – 2.05 Thermoregulation in the delivery room (*Dunne/Dublin*)
2.15 – 2.30 Cerebral oxygenation and perfusion during neonatal transition (*Urlesberger/Graz*)
2.40 – 2.55 Physiologic measurements of the effect of delayed cord clamping (*Brouwer/Leiden*)
3.00 – 3.10 How to stimulate breathing in the DR? (*Kaufmann/Dresden*)

3.15 – 3.30 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.

3.15 pm t.b.a.
3.20 pm t.b.a.
3.25 pm t.b.a.

3.30 – 4.00pm Key-note lecture *(te Pas/Leiden)*

Professor Stuart Hooper 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. *(Hooper/Melbourne)*

4.00 – 4.10 pm The Roland-R-Wauer Award

Roland R. Wauer was

4.10 – 5.10 pm A look into the future (NN)

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.

4.10 – 4.25 Technology to improve team performance *(Wagner/Vienna)*
4.30 – 4.45 The newborn delivery room of the future: Emerging and future technologies (*Sharkey /*)
4.50 – 5.05 The CORSAD trial – lessons learned (*Snorri / Stockholm*)

5.10 – 5.25 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 t.b.a.
5.05 pm t.b.a.
5.10 pm t.b.a.

5.25 – 6.30 pm New Resuscitation guidelines *(Roehr/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.

5.25 – 5.45 CoSTR of ILCOR – What science can tell us or not? (*Wyckhof/??)*
5.55 – 6.15 What is new in the ERC-guideline (*Madar / Plymouth)*

6.30 – 6.45 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.

5.00 pm t.b.a.
5.05 pm t.b.a.
5.10 pm t.b.a.

6.45 – 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.

6.45 – 6.55 Physiological responses to facemask application in newborns immediately after birth *(Gaertner/Tübingen)*
7.00 – 7.10 Assessment of optimal chest compression depth during neonatal cardiopulmonary resuscitation: A randomized controlled animal trial (*Bruckner/Graaz)*
7.15 – 7.25 Respiratory support after delayed cord clamping: a prospective cohort study of paediatrician-attended births at ≥32+0 weeks gestation (*Shiraz Badurdeen / Melbourne*)
7.30 – 7.40 XX (*XX/ XX*)
7.45 – 7.55 XX (*XX/ XX*)

Saxony Center for Feto/neonatal Health

THE ESPR-SPRING SCHOOL

Saturday, March 13th, 2021
11 am – 9 pm CET
Online

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 Spring School 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. (te Pas ,)*

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.*

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. *(Michael Wagner / 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.

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.