

European Board of Neonatology (EBN) Pre-congress Course at jENS 2021

Sunday, 12 September 2021, 09h00-15h30 CEST

Section name:

Pulmonology

Chair:

Anton van Kaam

Main theme:

Respiratory management of preterm infants with Respiratory Distress Syndrome

Course description:

In this course participants will receive an update of the latest evidence on respiratory management of preterm infants with Respiratory Distress Syndrome (RDS). The focus will be on non-invasive and invasive respiratory support, combined with surfactant treatment. The presented evidence will also be translated to clinical practice in an interactive session on real life cases.

Course objectives:

- Participants will learn the underlying pathophysiology of RDS.
- Participants will learn what non-invasive respiratory support modalities can be used in the treatment of RDS.
- Participants will learn what invasive respiratory support modalities can be used in the treatment of RDS.
- Participant will learn what surfactant treatment strategies can be used in the treatment of RDS.

Definition of possible course participants/target group:

This course is targeted towards paediatricians in training, neonatologists in training, consultant neonatologists, physician assistants, ventilation practitioners

Course programme:

Time		Session	Topic	Speaker
Start	End			
09:00	09:05	Welcome to participants and brief introduction to the EBN course		Gianluca Lista, Italy
09:05	09:25	First session: Pathophysiology and non-invasive RDS treatments	Pathophysiology of respiratory failure of the preterm infants	Anna Lavizzari, Italy
09:25	09:45		NCPAP and/or HHFNC for the neonatal management: a neonatal conundrum?	Charles-Christopher Roehr, United Kingdom
09:45	10:05		NIPPV/SNIPPV, NHFOV and NIV-NAVA : primary approach or second step for neonatal RDS management?	Howard Stein, United States
10:05	10:25		Surfactant: when, how and which neonates?	Olivier Danhaive, Belgium
10:25	10:40		Discussion	Moderator: Almudena Alonso
11:30	11:50	Second session: Ventilatory management of neonatal RDS	CMV strategy to manage RDS	Tomasz Szczapa, Poland
11:50	12:10		HFOV strategy to manage RDS	Ulrich Thome
12:10	12:30		iNO therapy and its role in RDS	Richard Sindelar
12:30	12:45		Discussion	Moderator: Roland Hentschel

14:00	15:15	Third session: Practice on neonatal RDS	practical session (an interactive case scenario with input from all speakers and questions and answers using polls)	Anna Lavizzari, Italy
15:15	15:30		Conclusions and final remarks	Gianluca Lista, Italy

Faculty:

Name	Position, University	Country
Anton van Kaam	Professor of Neonatology, Chief of the Neonatal ICUs, Emma Children's Hospital	The Netherlands
Gianluca Lista	Ospedale dei Bambini Vittore Buzzi, Neonatology, M.D., PhD.	Italy
Anna Lavizzari	NICU, Fondazione IRCCS Cà Granda, Ospedale Maggiore Policlinico- Università degli Studi di Milano, Milan, Italy · Department of Clinical Sciences and Community Health	Italy
Charles-Christopher Roehr	University of Oxford OX · Department of Paediatrics/ Neonatology M.D., PhD.	United Kingdom
Olivier Danhaive	Professor of Pediatrics, Catholic University of Louvain, Brussels Adjunct Professor of Pediatrics, University of California San Francisco	Belgium
Howard Stein	ProMedica · Department of Neonatology, MD	United States
Almudena Alonso	Hospital Universitario Puerta del Mar, Cádiz · Department of Neonatology, MD PhD	Spain
Tomasz Szczapa	Poznan University of Medical Sciences · Department of Neonatology MD, PhD	Poland
Ulrich Thome	University of Leipzig, Department for Neonatology, MD	Germany
Richard Sindelar	Uppsala University UU · Department of Women's and Children's Health Associate Professor, MD PhD	Sweden
Roland Hentschel	University Medical Center Freiburg · Center for Paediatric and Adolescent Medicine MD, Prof. Dr.	Germany