


### Clinical Seminar

## Prevention, protection, and repair of brain injury in neonates: a comprehensive practical approach

 Kfar Maccabiah, Ramat Gan, Israel  
20<sup>th</sup> - 22<sup>th</sup> February 2023

### Objectives

IPOKRATES seminars provide high quality postgraduate education which enables professionals to keep abreast of the most recent developments and offer participants the opportunity to discuss clinical problems or scientific issues personally with international experts. This seminar is dedicated to neonatal neurocritical care, including prevention, management, and treatment of neonates at-risk of neurological disorders.

### Lecturers

**Bernard Barzilay**

Mayanei Hayeshua Medical Center, Bnei Brak, Israel

**Manon Benders**

Wilhelmina Children's Hospital, UMC Utrecht, The Netherlands

**Roberta Cilio**

Saint-Luc University Hospital, University of Louvain, Brussels, Belgium

**Olivier Danhaive**

Saint-Luc University Hospital, University of Louvain, Brussels, Belgium

**Gorm Greisen**

University of Copenhagen, Copenhagen, Denmark

**Nicola Robertson**

University College London, London, UK

**Eilon Shany**

Soroka Medical Center, Ben Gurion University, Beer Sheva, Israel

**Haim Basan**

Shamir Medical Center, Zerifin, Israel

**Anton van Kaam**

Academic Medical Center, University of Amsterdam, The Netherlands

### Information/ Registration

IPOKRATES Head Office

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 [www.ipokrates.info](http://www.ipokrates.info)

### Participation Fees

Costs for overnight accommodation and meals are not included

Doctors from Israel

before January 30, 2023 € 225,-

after January 30, 2023 € 300,-

Doctors from outside Israel

before January 30, 2023 € 325,-

after January 30, 2023 € 400,-

The Number of Participants is limited to 70

#### Please Note:

Only registered participants,

NO on site registration!

Please register via Internet:

 [www.ipokrates.info](http://www.ipokrates.info)

### Host

**Dr. Bernard Barzilay**

Head of Neonatology

 Mayanei Hayeshua Medical Center  
HaRav David Povarski St 17  
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 [barzilayb@hotmail.com](mailto:barzilayb@hotmail.com)

### Program Design

Roberta Cilio, Belgium and

Bernard Barzilay, Israel

### Target Audience

Neonatologists, NICU and PICU nurses, pediatric intensivists, and pediatric neurologists

### Major Sponsor

Dräger

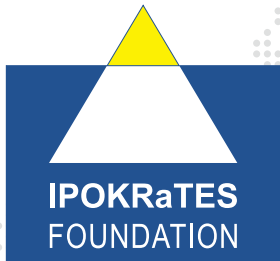


### Endorsed by

Academy of  
Neonatology



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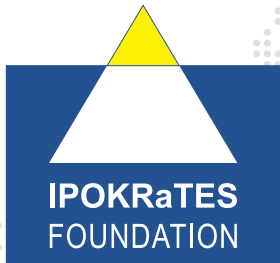
20<sup>th</sup> - 22<sup>th</sup> February 2023

### Program

#### Monday, February 20, 2023

- |       |   |
|-------|---|
| 08.30 | Introduction<br><i>Bernard Barzilay</i>   |
| 09.00 | Building a neurological neonatal ICU<br><i>Roberta Cilio</i>                    |
| 09.30 | Cerebral blood flow: physiology and pathophysiology<br><i>Gorm Greisen</i>      |
| 10.30 | Hemodynamics and brain protection in preterm infants<br><i>Olivier Danhaive</i> |
| 11.30 | Coffee break  |
| 11.50 | Protecting and repairing the neonatal brain<br><i>Nicola Robertson</i>          |
| 12.50 | Lunch   |
| 14.30 | Monitoring the neonatal brain part1: Term aEEG/EEG<br><i>Haim Basan</i>         |
| 15.10 | Monitoring the neonatal brain part 2: Preterm aEEG/EEG<br><i>Eilon Shany</i>    |
| 15.45 | Monitoring the neonatal brain part 3: video-EEG<br><i>Roberta Cilio</i>         |
| 16.30 | Coffee break  |
| 16.45 | Protecting the brain during neonatal resuscitation<br><i>Bernard Barzilay</i>   |

**Subject to change**



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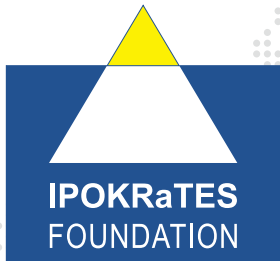
20<sup>th</sup> - 22<sup>th</sup> February 2023

### Program

Tuesday, February 21, 2023

08.30	NIRS <i>Gorm Greisen</i>
09.30	Respiratory support and brain injury: strategies to support the lung and protect the brain <i>Anton van Kaam</i>
10.30	Coffee break
10.50	Neuroimaging advances for early diagnosis and prognosis of brain injury <i>Manon Benders</i>
11.50	Neurological emergencies in the neonatal ICU: a practical approach <i>Bernard Barzilay</i>
12.50	Protecting the preterm brain: the role of nutrition <i>Manon Benders</i>
13.30	Lunch
15.00	Each session will be 45-min long and will be repeated three times. Allow 15 min for groups switch  1. Not everything that shakes is epilepsy: Tips and tricks for the correct interpretation of semiology, aEEG and EEG in the neonate <i>Roberta Cilio, Eilon Shany, Haim Bassan</i>  2. Impact of Changes in Blood Pressure, pCO <sub>2</sub> , O <sub>2</sub> Saturation, Hemoglobin Concentration, and Positive End-Expiratory Pressure on Cerebral Blood Flow and Oxygen Delivery – With Case Presentations <i>Gorm Greisen</i>  3. Imaging the neonatal brain: interactive workshop on HUS and MRI <i>Manon Benders, Nicola Robertson</i>

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### Program

Wednesday, February 22, 2023

08.30	Stem cell therapy for brain damage in neonates with acute ischemic stroke <i>Manon Benders</i>
09.30	Stem cell therapy for neonatal encephalopathy – ready to translate? <i>Nicola Robertson</i>
10.30	Coffee break
10.50	Personalized approach to treatment of seizures and epilepsy in the neonate <i>Roberta Cilio</i>
11.50	Drugs used in respiratory care and brain injury <i>Anton van Kaam</i>
12.50	Lunch
14.30	Prediction of outcome in neonatal encephalopathy <i>Nicola Robertson</i>
15.30	Measures of outcome <i>Gorm Greisen</i>
16.30	The neonatal brain in congenital heart diseases <i>Olivier Danhaive</i>
17.30	Closure

**Subject to change**