



KK Women's and
Children's Hospital
SingHealth



IPOKRATES Seminar:

Optimising the Use of Artificial Intelligence in Paediatric Radiology

11 April 2025 (Friday) | Lecture Theatre, Training Centre, Women's Tower, Level 1,

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Faculty

Prof Anton van Kaam

University of Amsterdam, Netherlands

Prof Han-Suk Kim

Seoul National University, Seoul,
Republic of Korea

Prof Huayan Zhang

Guangzhou Women and Children's Hospital,
China/ Children's Hospital of Philadelphia, USA

Prof Jae Kim

Cincinnati Children's Hospital Medical Centre,
USA

Prof Jeanie Cheong

Royal Women's Hospital, Melbourne, Australia

Prof Josef Neu

University of Florida, USA

Prof Ju-Lee Oei

University of New South Wales, Randwick,
Australia

Dr Juin Yee Kong

KK Women's and Children's Hospital, Singapore

Dr Kee Thai Yeo

KK Women's and Children's Hospital, Singapore

Dr Seung Han Shin

Seoul National University, Seoul, Republic of Korea

Workshop Faculty

Prof Huayan Zhang

Guangzhou Women and Children's Hospital,
China/ Children's Hospital of Philadelphia, USA

Prof Jae Kim

Cincinnati Children's Hospital Medical Centre,
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Prof Jeanie Cheong

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Ms Qin Xin

Guangzhou Women and Children's Hospital,
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Local Faculty

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KK Women's and Children's Hospital, Singapore

Dr Duo-Tong Cheng

KK Women's and Children's Hospital, Singapore

Dr Pooja Agarwal Jayagobi

KK Women's and Children's Hospital, Singapore

Dr Vijayendra Ranjan Baral

Singapore General Hospital, Singapore

Programme

8 APRIL 2025 (TUESDAY) | 8.40AM to 5.20PM | KKH AUDITORIUM

8.40am **Welcome and Opening Address**

THEME: LUNG PROTECTION DURING EARLY LIFE

9.00am **Delivery Room Ventilation Management - Giving them the best start**

Dr Juin Yee Kong

9.40am **Surfactant Strategies - Decoding the How, When and What**

Prof Anton van Kaam

10.20am **Ventilation Strategies in Early NICU Life - Preventing Lung Injury**

Prof Huayan Zhang

11.00am **Question & Answer (Panel Discussion)**

11.30am **Lunch break**

THEME: BPD PREVENTION IN THE FIRST WEEKS

12.30pm **Intestinal Development, Mucosal immunity & Nutrition in Relation to Adverse Outcomes**

Prof Josef Neu

1.10pm **Early Postnatal Care for BPD Prevention**

Prof Huayan Zhang

1.50pm **Managing Respiratory Infections among Preterm Infants**

Dr Kee Thai Yeo

2.30pm **Question & Answer (Panel Discussion)**

3.00pm **Tea break**

3.30pm **Postnatal Steroids - How, When, Whom?**

Prof Anton van Kaam

4.10pm **Multi-omics & the Gut-Brain-Lung Axis**

Prof Josef Neu

4.50pm **Question & Answer (Panel Discussion)**

Programme

9 APRIL 2025 (WEDNESDAY) | 9.00AM to 5.30PM | KKH AUDITORIUM

THEME: MID-‘NEONATAL LIFE’ CRISES

- 9.00am** **Oxygenie - Targeting Your Demand**
Prof Anton van Kaam
- 9.40am** **Artificial Intelligence and Machine Learning in BPD Management and Prevention**
Prof Josef Neu
- 10.20am** **BPD-associated Pulmonary Hypertension**
Prof Han-Suk Kim
- 11.00am** **Question & Answer (Panel Discussion)**
- 11.30am** **Lunch break**
- 12.30pm** **Pump the Calories - Current Approaches to Optimizing Nutrition in BPD**
Prof Jae Kim
- 1.10pm** **Neurally Adjusted Ventilatory Assist (NAVA) Ventilation in Evolving or Established BPD**
Dr Seung Han Shin
- 1.50pm** **Sedation & Pain Management in Chronic BPD**
Prof Ju-Lee Oei
- 2.30pm** **Question & Answer (Panel Discussion)**
- 2.45pm** **Tea break**
- 3.00pm** **Multidisciplinary Approach to BPD**
Prof Huayan Zhang
- 3.40pm** **Building a Comprehensive BPD Center**
Prof Jae Kim
- 4.20pm** **Neuromonitoring & Imaging for Prognosis of Preterm Infant**
Prof Jeanie Cheong
- 5.00pm** **Question & Answer (Panel Discussion)**

Programme

10 APRIL 2025 (Thursday) | 9.00AM to 3.30PM | KKH AUDITORIUM

THEME: BEYOND NICU

- 9.00am** **Neuroprotective Strategies for Early Life**
Prof Jeanie Cheong
- 9.40am** **Home Oxygen Therapy**
Prof Ju-Lee Oei
- 10.20am** **Impact of BPD on Long-term Neurodevelopment & Respiratory Outcomes**
Prof Jeanie Cheong
- 11.00am** **Question & Answer (Panel Discussion)**
- 11.30am** **Lunch break**

THEME: THE FUTURE

- 12.30pm** **Follow-up State of the Art - Translating Observational Outcome Studies to Better Care**
Prof Jeanie Cheong
- 1.10pm** **Advancing Neonatology Through AI & Clinical Informatics**
Prof Jae Kim
- 1.50pm** **Future of Neonatology**
Prof Ju-Lee Oei
- 2.30pm** **Question & Answer (Panel Discussion)**
- 3.00pm** **Closing Ceremony**
- 3.30pm** **Tea break**

Workshop

MULTIDISCIPLINARY CARE FOR BPD: PRACTICAL INSIGHTS & STRATEGIES

Programme

11 APRIL 2025 (Friday) | 8.30AM to 3.30PM | KKH LECTURE THEATRE

- 8.30am Registration
- 9.00am Lecture - Early to Established BPD Ventilation Strategies
Prof Huayan Zhang
- 9.45am Interactive and Practical Session - All about the LOOPS Case Presentation
- 10.30am Lecture - Food for Lung: BPD Pre-post Discharge Nutritional Support
Prof Jae Kim
- 11.15am Interactive and Practical Session - All about the FOOD Case Presentation
- 12.00pm Lunch Break
- 1.00pm KKH Multi-Disciplinary Home Care Programme
Dr Pooja Agarwal Jayagobi
- 1.30pm Expert Panel Discussion
- 2.15pm Feedback and Farewell

Organised by

IPOKRATES Foundation and Department of Neonatology, KKH

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