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FETAL neurosonography



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08:55 Opening notes Prof. Pooh, A/Prof. Arechvo

Session 1. Basic knowledge and Tips/Tricks for Neuroimaging Chair: Prof. Pooh, A/Prof. Arechvo

09:00 Overview Neuroanatomy and imaging Dr. Elisenda Eixarch, Spain

09:30 What you must see in the first trimester Prof. Ritsuko Pooh, Japan

10:00 Brain anatomy and pathology in the late pregnancy Dr. Fernando Viñals, Chile

10:30 Discussion on tips/tricks for neuroimaging Prof. Pooh, A/Prof. Arechvo,
Dr. Eixarch, Dr. Vinals

Session 2. Advanced Neuroimaging Chair: A/Prof. Arechvo, Prof. Pooh

10:50 Callosal pathology A/Prof. Anastasija Arechvo, UK

11:20 Ganglionic eminence pathologies Dr. Roei Birnbaum, Israel

11:50 Fetal intracranial hemorrhage Prof. Shiri Shinar, Canada

12:20 Discussion on advanced neuroimaging Prof. Pooh, A/Prof. Arechvo,
Dr. Birnbaum, Prof. Shinar

Session 3. Neurosonography and Genetics Chair: A/Prof. Arechvo, Prof. Pooh

12:40 Cortical Layer analysis and Genetics Prof. Ritsuko Pooh, Japan

13:10 Phenotype/Genotype correlation Prof. Yuval Yaron, Israel

13:40 The role of the Neurosonography in the Era of NGS and AI Prof. Karina Haratz, Israel

14:10 Genetic syndromes in Fetal Neurology Prof. Rabih Chaoui, Germany

14:40 Discussion on connection of neurosonography and genetics Prof. Pooh, A/Prof. Arechvo, Prof. Yaron,
Prof. Haratz, Prof. Chaoui

Session 4. Prenatal and Pediatric managements Chair: Prof. Pooh, A/Prof. Arechvo

15:00 Prenatal and Pediatric MRI imaging (AoCC, others) Prof. Gregor Kasprian, Austria

15:30 The role of paediatrics neurologists in fetal brain abnormalities Dr. Anthony Hart, UK

16:00 Prenatal and postnatal correlation of findings Prof. Kyoko Itoh, Japan

16:30 Discussion on prenatal and pediatric aspects Prof. Pooh, A/Prof. Arechvo,
Prof. Kasprian, Dr. Hart, Prof. Itoh

16:50 Closing notes Prof. Pooh, A/Prof. Arechvo,
Prof. Kasprian, Dr. Hart, Prof. Itoh



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CONFERENCE CHAIRS



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Prof. Ritsuko Pooh

MD, PhD, MSc, LLB, Fetal Diagnostic Center,
Fetal Brain Center, CRIFM Prenatal Medical Clinic,
Osaka / Japan



A/Prof. Anastasija Arechvo

Associate Prof, Senior Lecturer at King's College of London
and Consultant in Fetal Medicine with special interest
in Neurosonography at King's College Hospital, London / UK



Detailed information

COURSE SPEAKERS

A/Prof. Anastasija Arechvo

Associate Prof, Senior Lecturer
at King's College of London and
Consultant in Fetal Medicine with
special interest in Neurosonography
at King's College Hospital, London / UK

Dr. Roe Birnbaum

MD, Consultant in prenatal diagnosis, Sourasky
medical center, Faculty
ISUOG, Tel-Aviv, Tel Aviv / Israel

Prof. Rabih Chaoui

Prof of Ob&Gyn, Center of Prenatal Diagnosis
and Human Genetics, Berlin/ Germany

Prof. Kyoko Itoh

M.D., Ph.D., Dept of Diagnostic
Pathology Kyoto Chubu Medical Center, Nan-
tan City, Kyoto / Japan

Dr. Elisenda Eixarch

BCNatal Fetal Medicine Research Center
(Hospital Clínic and Hospital
Sant Joan de Déu), University of Barcelona,
Barcelona / Spain

Dr. Anthony Hart, UK

M.D., Ph.D., Department of Paediatric Neurol-
ogy, King's College Hospital NHS Foundation
Trust, London / UK.

Prof. Gregor Kaspran

Department of Biomedical Imaging
and Image-guided Therapy of the Medical
University of Vienna, Vienna / Austria

Prof. Karina Krajden Haratz

Director, Ultrasound in ObGyn Unit,
Lis Maternity and Women's Hospital,
Tel Aviv Medical Center, Assistant Prof
at Tel Aviv Univ, Tel Aviv / Israel

Prof. Ritsuko Pooh

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Prof. Shiri Shinar

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Sinai Hospital, Dept
of Ob&Gyn, University
of Toronto, Toronto / Canada

Dr. Fernando Viñals

Sanatorio Aleman Clinic, Department
of Obstetrics and Gynecology, Faculty
of Medicine at the University
of Concepcion, Concepcion / Chile

Prof. Yuval Yaron

M.D., Professor of Obstetrics & Gynecology,
Tel Aviv University, Director at Prenatal Genetic
Diagnosis, Tel Aviv Sourasky Medical Center,
Tel Aviv / Israel

IN THE PROGRAM

Basic knowledge and Tips/Tricks for Neuroimaging:

- Overview Neuroanatomy and imaging
- Neuroembryology
- Midbrain and hindbrain pathology
- Early markers of brain pathology

Advanced Neuroimaging:

- Does the size matter?
- Callosal pathology
- Cerebellum/Brainstem development
- Fetal intracranial hemorrhage

Neurosonography and Genetics:

- Cortical Layer analysis and Genetics
- Phenotype/Genotype correlation
- mTOR pathway and Cortical development
- Genetic syndromes in Fetal Neurology

Prenatal and Pediatric managements:

- Prenatal and Pediatric MRI imaging
(AoCC, others)
- Pediatric aspects
- Prenatal and postnatal correlation of findings



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