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# FETAL neurosonography

28<sup>st</sup> of March 2026 • 31 days of video access

6<sup>th</sup> Annual addition • Virtual Course

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8:55	Opening notes	Prof. Pooh, A/Prof. Arechvo
<b>Session 1. Basic knowledge and Tips/Tricks for Neuroimaging</b> Chair: Prof. Pooh, A/Prof. Arechvo		
9:00	Overview Neuroanatomy and imaging	Dr. Elisenda Eixarch, Spain
9:30	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 basic tips of neuroimaging	Dr. Eixarch, Prof. Pooh, Dr. Vinals
<b>Session 2. Advanced Neuroimaging</b> Chair: A/Prof. Arechvo, Prof. Pooh		
10:40	Callosal pathology	A/Prof. Anastasija Arechvo, UK
11:10	Ganglionic eminence pathologies	Dr. Roei Birnbaum, Israel
11:40	Fetal intracranial hemorrhage	Prof. Shiri Shinar, Canada
12:10	Discussion on advanced neuroimaging	A/Prof. Arechvo, Prof. Shinar, Dr. Birnbaum
<b>Session 3. Neurosonography and Genetics</b> Chair: A/Prof. Arechvo, Prof. Pooh		
12:20	Cortical Layer analysis and Genetics	Prof. Ritsuko Pooh, Japan
12:50	Phenotype/Genotype correlation	Prof. Yuval Yaron, Israel
13:20	The role of the Neurosonography in the Era of NGS and AI	Prof. Karina Haratz, Israel
13:50	Genetic syndromes in Fetal Neurology	Prof. Rabih Chaoui, Germany
14:20	Discussion on connection of neurosonography and genetics	Prof. Pooh, A/Prof. Arechvo, Prof. Yaron, Prof. Haratz, Prof. Chaoui
<b>Session 4. Prenatal and Pediatric managements</b> Chair: Prof. Pooh, A/Prof. Arechvo		
14:30	Prenatal and Pediatric MRI imaging (AoCC, others)	Prof. Gregor Kasprian, Austria
15:00	Pediatric aspects	Dr. Anthony Hart, UK
15:30	Prenatal and postnatal correlation of findings	Prof. Kyoko Itoh, Japan
16:00	Discussion on prenatal and pediatric aspects	Prof. Kasprian, Prof. Jansen, Prof. Itoh
16:15	Closing notes	Prof. Pooh, A/Prof. Arechvo, Prof. Kasprian, Dr. Hart, Prof. Itoh



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## CONFERENCE CHAIRS



### 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



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*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. Roei 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 Kasprian

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

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

### Prof. Shiri Shinar

Associate Prof, Fetal Medicine Unit, Mount  
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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