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# FETAL neurosonography

28<sup>th</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

## Session 1. Basic knowledge and Tips/Tricks for Neuroimaging

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

## Session 2. Advanced Neuroimaging

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

## Session 3. Neurosonography and Genetics

Chair: A/Prof. Arechvo, Prof. Pooh

12:20 Cortical Layer analysis and Genetics Prof. Ritsuko Pooh, Japan

12:50 Phenotype/Genotype correlation Prof. Ritsuko Pooh, Japan

13:20 Prenatal Genetics 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, Prof. Haratz,  
Prof. Chaoui

## Session 4. Prenatal and Pediatric managements

Chair: Prof. Pooh, A/Prof. Arechvo

14:30 Prenatal and Pediatric MRI imaging (AoCC, others) Prof. Gregor Kasprian, Austria

15:00 Pediatric aspects Prof. Katrien Jansen

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



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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,  
Nantan City, Kyoto / Japan

### Dr. Elisenda Eixarch

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

### 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

## 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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