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09:00	Welcome and overview of the day	Ritsuko K. Pooh
	SESSION 1. Malformations of brain development: commissures, midbrain and hindbrain (Chairs: Pooh, Arechvo)	
09:15	The developing brain between the first and second trimester	Rabih Chaoui
09:40	Commissural anomalies: dysgenesis, hypoplasia and the limits of measurement	Anastasija Arechvo
10:05	The genetic architecture of agenesis of the corpus callosum	Liona Poon
10:30	The posterior fossa on MRI: when imaging changes diagnosis and management	Gregor Kasprian
10:55	DISCUSSION. When we name a malformation, what are we actually naming: an appearance, a mechanism, or a gene?	Pooh, Arechvo, Chaoui, Poon, Kasprian
11:15	Coffee break	
	SESSION 2. The fetus as a patient: genomics, therapy and the ethics of individual care (Chairs: Pooh, Chervenak)	
11:25	From phenotype to genotype: what the image tells us to look for	Ritsuko K. Pooh
11:50	Fetal therapy and the individual fetus: what can be offered, and to whom	Magdalena Sanz Cortes
12:15	What the fetal phenotype tells the geneticist – and what it cannot	Tessa Homfray
12:40	The fetus as a patient: the ethics of counselling when the brain is involved	Frank Chervenak
13:05	DISCUSSION. What actually individualises care: the diagnosis, the phenotype, or the family?	Pooh, Chervenak, Sanz Cortes, Homfray
13:25	Coffee break	

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SESSION 3. Reading the lesion: haemorrhage, vascular injury and tumour (Chairs: Pooh, Bornstein)		
13:35	Fetal intracranial haemorrhage	Shiri Shinar
14:00	Vascular insults and their sequelae: venous thrombosis, ischaemia and the brain afterwards	Eran Bornstein
14:25	Fetal intracranial tumours: haemorrhage, mass effect and the brain around them	Antonio Mendez
14:50	DISCUSSION. Can imaging alone separate tumour, haemorrhage and destruction?	Pooh, Bornstein, Shinar, Mendez
15:15	Coffee break	
SESSION 4. Are we all looking at the same lamination? (Chairs: Pooh, Kasprian)		
15:25	How the human cortex is built: progenitors, migration and the emergence of layers	Tomasz J. Nowakowski
15:50	Cortical lamination on fetal MRI: what the signal represents	Gregor Kasprian
16:15	What pathology tells us about the developing cortex	Kyoko Itoh
16:30	Lamination and subplate on transvaginal neurosonography	Ritsuko K. Pooh
16:55	DISCUSSION. Are we all looking at the same lamination?	Pooh, Kasprian, Nowakowski, Itoh
17:15	Closing remarks	Ritsuko K. Pooh

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CONFERENCE CHAIR



Prof. Ritsuko Pooh

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

COURSE SPEAKERS

A/Prof. Anastasija Arechvo

Associate Professor, 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. Eran Bornstein

MD, Division of Maternal-Fetal Medicine, Department of Obstetrics and Gynecology, Lenox Hill Hospital - Zucker School of Medicine at Hofstra/Northwell, New York New York / USA

Prof. Rabih Chaoui

Professor of Obstetrics & Gynecology, Center of Prenatal Diagnosis and Human Genetics, Berlin / Germany

Dr. Frank Chervenak

MD, System Chief, Ethics Northwell Health, Kaufman Professor of Medical Ethics, Professor of Obstetrics and Gynecology, Associate Dean for International Medicine, Zucker School of Medicine at Hofstra/ Northwell, New York / USA

Dr. Tessa Homfray

Medical Genetics Service, St George's University Hospital and Royal Brompton Hospital London, London / UK

Prof. Kyoko Itoh

M.D., Ph.D. Department of Diagnostic Pathology Kyoto Chubu Medical Center Nantan City, Kyoto / Japan

Prof. Gregor Kasprian

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

Dr. Antonio Mendez

Dept of Pediatric Neurosurgery, Mexican Institute of Social Security, "La Raza" Medical Center, Mexico City / Mexico

Prof. Tomasz J. Nowakowski

PhD, Dept of Psychiatry and Behavioral Sciences, UCSF Weill Institute for Neurosciences, University of California, Quantitative Biosciences Institute, University of California, San Francisco, Dept of Anatomy, University of California, Eli and Edythe Broad Center for Regeneration Medicine and Stem Cell Research, San Francisco / USA

Prof. Ritsuko Pooh

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

Prof. Liona Poon

Professor, MD(Res), President elected of ISUOG, Cert RCOG, Academic Subspecialist in Maternal Fetal Medicine, Professor at The Chinese University of Hong Kong, Visiting Professor at King's College London Hong-Kong / China

A/Prof. Magdalena Sanz Cortes

MD, PhD, Maternal Fetal Medicine Specialist and Fetal Surgeon, Chief of Fetal Surgery Division, Co-chair of Texas Children's Hospital Fetal Center, Director of International Women's Services, Director of Neurosonology Clinic,Texas Children's Hospital, Department of Obstetrics and Gynecology, Baylor College of Medicine, Texas / USA

Prof. Shiri Shinar

Associate Professor, Fetal Medicine Unit, Mount Sinai Hospital, Department of Obstetrics and Gynaecology University of Toronto, Toronto / Canada

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