



SEMMELWEIS
UNIVERSITY 1769



FETAL IMAGING: THE NON-INVASIVE AUTOPSY AND NEW HORIZONS

21 NOVEMBER 2025

ORGANISED BY

SEMMELWEIS UNIVERSITY

DEPARTMENTS OF OBSTETRICS AND GYNAECOLOGY,

MEDICAL IMAGING CENTRE

DEPARTMENT OF PATHOLOGY, FORENSIC AND INSURANCE MEDICINE

DEPARTMENT OF PATHOLOGY AND EXPERIMENTAL CANCER RESEARCH

AND

THE ROYAL COLLEGE OF PATHOLOGISTS

Zoom link:

<https://us02web.zoom.us/j/82614915529?pwd=vBwMF8t33Wb62HhBI1pRxYLVWgCHy8.1>

Webinar ID: 826 1491 5529

Webinar passcode: 686248

OFTEX registered: SE-SZTOK/2025.II/00452

5 CPD points

PROGRAMME:

8:30: Registration.

**9:00: Opening: Prof Béla Merkely Rector Semmelweis University,
Prof Nándor Ács, Prof András Kiss**

**Venue: Semmelweis University, Semmelweis Szalon,
Budapest, Üllői Street No 26.**

1. Opening lecture: Advances in PM radiology: Prof Pál Maurovich Horvat
Semmelweis University Medical Imaging Centre 20 min
2. What post mortem imaging can offer the modern autopsy – Prof Owen Arthurs,
GOSH Consultant Paediatric Radiologist (to include CT, MRI, ultrasound) 30 min
3. PCD CT (photon counting detector CT), PM angio CT, MRI and post mortem US
technicalities for fetal imaging – Semmelweis University experience – Dr Ibolyka
Dudas, Semmelweis University Medical Imaging Centre 30 min
4. Update on technical capabilities and new horizons- by 3D HISTECH Viktor Kis
PhD, 30 min

Break 15 min

5. Integrating Micro CT into clinical autopsy, workflow considerations - Dr Ciaran
Hutchinson, Consultant Paediatric Pathologist, GOSH 30 min
6. Challenges of genetic counselling after prenatal diagnosis versus in the light of
post mortem findings (Autopsy and imaging). Dr Artur Beke Med Habil,
Semmelweis University, Department of Obstetrics and Gynaecology 15 min
7. Forensic applications of post mortem imaging – Prof Owen Arthurs Consultant
Paediatric Radiologist , GOSH 30 min
8. Q&A 10 min

13:00 Lunch by 3DHISTECH

**14:00 Opening of the afternoon program:
Prof András Matolcsy and Dr Béla Molnár CEO**

9. How to report - clinical Micro CT diagnostics and yield – Prof Owen Arthurs
Consultant Paediatric Radiologist, GOSH 15 min

10. Diagnostic successes and pitfalls short presentation of cases with discussion of prenatal imaging- post mortem findings- post mortem imaging 90 min

Vascular lesion

2025-65010 – A case of intracranial arteriovenous malformation

Skeletal abnormalities

2024-65077- A case of unusual vertebral anomalies

2024-65110 – A case of Spondylothoracic Dysplasia

2025-65009 – A case of Skeletal Dysplasia (Col1A2, Ol type 3)

2024-650160 – A case with differential diagnosis of short long bones in focus

Central nervous system

2025-65034 – Cerebellar Agenesis: a differential diagnostic problem

2025-65049 – Agenesis of Corpus Callosum

2025-65069 – Cerebral abnormality, cleft palate, diaphragmatic hernia and lung hypoplasia

2025-65071- Agenesis of Corpus Callosum: a differential diagnostic problem

2025-65077 – A case of prenatally diagnosed cerebellar hypoplasia with subsequent TOP-related artefact: limitations of post mortem imaging

11. Discussing fields of future collaboration 15 min

16:30 Closing remarks