



The Royal College of Pathologists

Pathology: the science behind the cure

The Beautiful Brain

A special course on *signs & significations of brain developmental disorders*

15th and 16th April 2021

CPD Credits: 6

To be held at The Royal College of Pathologists, 6 Alie Street, London E1 8QT

A special course focused on the instrumental impact of the neuropathological study on the analysis of human brain disorders with prenatal onset, management, cause identification, genetic advice and researches on human neurodevelopment and new therapies.

Candidates who plan to pursue formation in fetal medicine and in human neurodevelopment: pathologists, neuropathologists, neuro radiologists, neurologists, gynaecologist-obstetricians, genetists, neuroscientists.

Thursday, 15 April 2021

08.30 Registration

09.00 Welcome - **Professor Marta Cohen & Dr Férehté Encha-Razavi**

Theme one: Brain Formation and Organization

09.05 Brain patterning - **Dr Férehté Encha-Razavi, France**

09.50 Anatomy and histology of the fetal brain - **Professor Eleanora Aronica, The Netherlands**

10.35 Coffee break

10.50 Brain Prenatal Imaging: Normal brain development - **Dr Elspeth Whitby, Sheffield**

11.20 Brain examination - **Professor Eleanora Aronica, The Netherlands**

12.00 Lunch

Theme two: Neural Tube Defects

12.45 Neural tube defects: causation, pathogenesis and prevention - **Professor Andrew Copp, London**

13.30 Chiari malformation - **Professor Homa Biassette Adle, France**

Theme three: Part I: Brain maldevelopment

14.15 Brain prenatal imaging: The abnormal brain - **Dr Elspeth Whitby**

14.45 Diagnosis of brain anomalies: Benefits of an etiopathogenical approach - **Dr Férehté Encha-Razavi, France**

15.30 Coffee break

15.45 Spectrum of Midline malformations and cause analysis - **Professor Tania Attie Bitach, France**

16.30 Brainstem and cerebellum anomalies - **Dr Evelina Silvestri, Italy**

17.15 Close



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Theme three: Part II: Cortical malformations

09.00 Cortical malformations: Causes, mechanisms and Nomenclature update - **Professor Eleonora Aronica, The Netherlands**

09.45 Cerebral vascular ontogenesis - **Professor Eleonora Aronica**

10.30 Coffee break

10.45 Disruptive lesions, pathogenesis, and consequences - **Dr Evelina Silvestri, Italy**

Theme four: Neuronal survival disorders

11.30 Neurodegeneration with prenatal onset - **Dr Férehté Encha-Razavi, France**

12.15 Lunch

13.00 Biochemical testing for inherited neurometabolic diseases - **Dr Amanda Lam, London**

Theme Five: Putting the pieces together

13.45 Deciphering the etiopathogenesis of ventricular system dilatation - **Professor Homa Biassette Adle, France**

14.30 Strategies for identification of developmental disorders and cause analysis - **Professor Tania Attie Bitach, France**

15.15 Conclusions and Farewell

15.45 Close