NEONATAL CRANIAL ULTRASOUND
W12 Conferences, Hammersmith Hospital, London W12

Delegates may choose to attend the Basics Course (1 day - £190), the Advanced Course (2 days - £360) or all 3 days (£495).

THE BASICS led by Professor Frances Cowan and Dr Gerda van Wezel-Meijler
This one-day course of illustrated lectures is aimed at those who are starting out on their neonatal imaging career. The content will cover all aspects of neonatal cranial imaging at a basic level. It will also serve as a great foundation for those also following the Advanced course.

Wednesday, 21 March 2018
09:00 Registration and coffee
09:30 Basic normal and abnormal anatomy
10:30 Use of the ultrasound machine and understanding of the function of the controls and probes
11:00 Coffee
11:30 Cranial ultrasound in the term infant admitted with early neurological symptoms – HIE and stroke
12:15 Cases – images and diagnosis
13:00 Lunch
13:45 Ultrasound imaging of preterm brain injury
14:30 Term infants with later seizure onset / less acute problems
15:00 Tea
15:30 Doppler blood velocity measurements
16:00 More cases and discussion about practical difficulties and reporting
17:15 End of day

ADVANCED COURSE led by Professor Frances Cowan and Professor Linda de Vries
These two days of illustrated lectures cover a wide range of problems seen on neonatal brain ultrasound examinations. It is designed for clinicians with some experience of neonatal cranial ultrasound, who want to be updated on what can be achieved with cranial ultrasound, in terms of diagnosis and prognosis.

Thursday 22 March 2018
09:00 Registration and coffee
09:30 How to scan a baby: standard cranial ultrasound examination and how to use supplemental acoustic windows
10:15 Ultrasound imaging of brain maturation: normal findings versus pathological changes
10:55 Coffee
11:25 MRI in neonatal brain imaging (Professor Serena Counsell)
12:10 Preterm: haemorrhage, PHVD and outcome
13:10 Lunch
14:00 The neonatal cerebellum: normal development and injury
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Friday 23 March 2018
08:45  Registration and coffee
09:00  Assessing asphyxial damage in the term infant
09:45  Congenital abnormalities
10:30  Coffee
11:00  Term focal lesions
11:35  Sinus venous thrombosis and associated lesions
12:20  Doppler measurements of CBFV; how to do and when to use
13:00  Lunch
13:45  Infections
14:30  Protocols for imaging preterm infants of different gestational ages, term infants with HIE, fits, dysmorphisms, floppiness
15:00  Tea
15:25  Discussion session: Delegates please bring examples of your own ultrasound imaging cases you found interesting and would like to discuss
15:50  Assessment - quiz of image interpretation, appropriate action and what to tell parents about scan finding
16:30  End of course

SPEAKERS

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