



NEONATAL CRANIAL ULTRASOUND - ADVANCED

Thursday 19 June 2025

ADVANCED COURSE led by Professor Frances Cowan and Professor Linda de Vries

Learning objectives: 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.

- 08:30 Registration and light breakfast
- 08:55 Welcome, introduction and housekeeping
- 09:00 Ultrasound imaging of brain maturation: normal findings versus pathological changes
Dr Gerda Meijler
- 09:45 The neonatal cerebellum: normal development and injury
Dr Sylke Steggerda
- 10:30 Tea and coffee break
- 10:45 Preterm: haemorrhage, post-haemorrhagic ventricular dilation and outcome
Prof Linda de Vries
- 11:45 MRI in neonatal brain imaging
Dr Zarina Assis
- 12:30 Lunch
- 13:20 Preterm: white matter injury
Prof Linda de Vries
- 14:20 How to perform ultrasound measurements
Dr Lara Leijser
- 14:50 Tea and coffee break
- 15:10 Cranial ultrasound Doppler: technical and clinical aspects of measurements and vessel anatomy
Dr Sylke Steggerda
- 16:00 Hands-on point of care simulation-based ultrasound experience in small group workshops (optional)
Drs Khorshid Mohammed, Hussein Zein, Lara Leijser, Sylke Steggerda, Gerda Meijler, Linda de Vries, Frances Cowan

End of day 2. Please complete the evaluation survey



Friday 20 June 2025

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08:30 Registration and light breakfast

09:00 Congenital abnormalities
Prof Linda de Vries

09:45 Metabolic disease, tumours and neurocutaneous disorders
Prof Frances Cowan

10:30 Tea and coffee break

10:50 Assessing asphyxial damage in the term infant
Dr Sylke Steggerda

11:35 Term Focal lesions
Prof Frances Cowan

12:20 Sinus venous thrombosis and associated lesions
Prof Linda de Vries

13:00 Lunch

13:50 Infections
Prof Linda de Vries

14:35 Neonatal cranial ultrasound imaging protocols: why and when
Dr Lara Leijser

15:05 Tea and coffee break

15:30 Discussion session: Delegates, please bring examples of your own ultrasound imaging cases you found interesting and would like to discuss – preferably sent to us beforehand in Powerpoint format
All speakers

16:00 Quiz of image interpretation, appropriate action, what to tell parents about scan findings
Prof Linda de Vries and Prof Frances Cowan

End of day 3 and course. Please complete the evaluation survey