



NEONATAL CRANIAL ULTRASOUND THE BASICS

Chairs: Professor Frances Cowan and
Professor Dr Gerda van Wezel-Meijler

PROGRAMME

Wednesday 28 June 2023

THE BASICS led by Professor Frances Cowan and Dr Gerda van Wezel-Meijler

Learning aims: This one-day course of illustrated lectures is aimed at those 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. Demonstration of state-of-the-art neonatal head ultrasound simulators and the opportunity during the course for hands-on point of care simulation-based ultrasound experience with small group workshops

08:30 Registration

09:00 Welcome, Introduction and Housekeeping

MODERATOR PROF FRANCES COWAN

09:10 Basic and normal anatomy
Dr Gerda van Wezel-Meijler

10:10 Use of the ultrasound machine and understanding of the function of the controls and probes
Dr Gerda van Wezel-Meijler

10:40 Tea and coffee break

MODERATOR DR LARA LEIJSER

11:10 Cranial ultrasound in the term infant admitted with early neurological symptoms hypoxic-ischaemic encephalopathy and stroke
Dr Sylke Steggerda

11:55 Term infants with later seizure onset and/or less acute problems
Prof Frances Cowan

12:40 Lunch

MODERATOR PROF LINDA DE VRIES

13:30 Ultrasound imaging of preterm brain injury
Dr Gerda van Wezel-Meijler

14:30 Doppler blood velocity measurements, practical aspects
Dr Sylke Steggerda

15:00 Tea and coffee break

MODERATOR DR GERDA VAN WEZEL-MEIJLER

15:30 Practical aspects of reporting and talking to parents
Prof Frances Cowan

15:45 Interactive session: Hands-on point of care simulation-based ultrasound experience in small group workshops
Dr Lara Leijser, Dr Gerda van Wezel-Meijler, Dr Sylke Steggerda, Prof Linda de Vries, Dr Annemarie Plaisier, Prof Frances Cowan

17:00 End of day 1. Please complete the evaluation survey



NEONATAL CRANIAL ULTRASOUND ADVANCED

Chairs: Professor Frances Cowan and
Professor Linda de Vries

PROGRAMME

Thursday 29 June 2023

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

Learning aims: 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.

Delegates – we have the possibility to show your own ultrasound imaging cases that you have found interesting and would like to discuss – please send to us by Monday 26th June in powerpoint format

08:30 Registration

09:00 Welcome, introduction, and housekeeping

MODERATOR PROF LINDA DE VRIES

09:10 Ultrasound imaging of brain maturation: normal findings versus pathological changes
Dr Gerda van Wezel-Meijler

09:45 The neonatal cerebellum: normal development and injury
Dr Sylke Steggerda

10:25 Tea and coffee break

MODERATOR DR GERDA VAN WEZEL-MEIJLER

10:45 Preterm: haemorrhage, post-haemorrhagic ventricular dilation and outcome
Prof Linda de Vries

11:45 MRI in neonatal brain imaging
Dr Tom Arichi

12:30 Lunch

MODERATOR PROF FRANCES COWAN

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

MODERATOR PROF LINDA DE VRIES

15:10 Cranial ultrasound Doppler: technical and clinical aspects of measurements and vessel anatomy
Dr Sylke Steggerda and Prof Frances Cowan

16:00 Interactive session: Hands-on point of care simulation-based ultrasound experience in small group workshops
Dr Lara Leijser, Gerda van Wezel-Meijler, Dr Sylke Steggerda, Prof Linda de Vries, Dr Annemarie Plaisier, Prof Frances Cowan

17:30 End of day

PROGRAMME

Friday 30 June 2023

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

08:30 Registration

09:00 Welcome, introduction, and housekeeping

MODERATOR PROF FRANCES COWAN

09:10 Congenital abnormalities
Prof Linda de Vries

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

10:30 Tea and coffee break

MODERATOR DR GERDA VAN WEZEL-MEIJLER

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

MODERATOR DR SYLKE STEGGERDA

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

MODERATORS PROF LINDA DE VRIES AND PROF FRANCES COWAN

15:30 Discussion session: Delegates, please bring examples of your own ultrasound imaging cases you found interesting and would like to discuss – sent to us before hand in powerpoint format

16:00 Quiz: Image interpretation, appropriate action, telling parents about scan findings
Prof Linda de Vries and Prof Frances Cowan

16:45 End of course