



**EAPS**  
17-20 October, Vienna & Online

**Vienna**



## European School of Neonatology (ESN) Pre-congress Course at EAPS 2024

October 17 2024, 09:00-17:00 CEST

### Neonatal Cranial Ultrasound

#### Course objectives:

Cranial ultrasound is the most widely used neuroimaging tool to study the newborn brain. Traditionally, its main role was to detect major brain lesions in preterm infants, such as intraventricular hemorrhage and its complications and cystic white matter injury. However, the quality of both the ultrasound equipment and technique has improved considerably over time. This provides new possibilities, for the recognition of other forms of brain lesions, for treatment and for outcome prediction. On the other hand, cranial ultrasound still has its limitations and in some cases other types of imaging may be preferred.

This workshop focusses on the role of cranial ultrasound for the main neurologic conditions present in the neonatal intensive care unit and focusses on the “how, why, when and what” questions. It brings also many examples and room for interactive discussions.

Time		Topic	Speaker
Start	End		
9:00	9:15	Welcome and registration	
9:15	9:35	How to come to an optimal CUS protocol in your NICU	Jeroen Dudink, Netherlands
9:35	9:40	Discussion	
9:40	10:00	Why perform Doppler ultrasound; technical and clinical aspects	Sandra Horsch, Germany
10:00	10:05	Discussion	
10:05	10:25	When to intervene; CUS in IVH and PHVD	Mayka Bravo, Spain
10:25	10:30	Discussion	
10:30	11:00	Coffee break	
10:00	11:20	How to image the posterior fossa	Sylke Steggerda, Netherlands
11:20	11:25	Discussion	
11:25	11:45	What to expect from ultrasound in brain infections	Ana Alarcon, Spain
11:45	11:50	Discussion	
11:50	12:00	Interactive case discussion	all
13:00	14:00	Lunch	
14:00	14:20	Why perform ultrasound in HIE, when you also do MRI	Isabel Benavente, Spain
14:20	14:25	Discussion	
14:25	15:30	Interactive case discussion	all

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15:30	16:00	Coffee break	
16:00	16:30	What do we tell parents; CUS and outcome prediction	Panel discussion
16:30	16:50	QUIZ, show your CUS knowledge and win a prize	
16:50	17:00	Closing remarks and good bye	

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