



Learning Objectives:

- To become aware of the new indications published by ISUOG on how to screen and diagnose CNS malformations
- To familiarize with normal and abnormal brain anatomy at 12-13 gestational weeks, as displayed with high resolution – high emission frequency transducers
- To understand the adequacy/inadequacy of indications to neurosonography and prenatal surgery for open spina bifida
- To become aware of the challenges and uncertainties encountered in defining a prognosis for major brain developmental and acquired anomalies

Time (BST)	Time (CET)	Mins	Program	Speaker – Prefix, full name, country (email address)
08:30	09:30	5	Welcome and Introduction	D. Paladini (Italy)
08:35	09:35	20+5	New ISUOG guidelines for CNS evaluation 1 & 2: what's new?	R. Birnbaum (Israel)
09:00	10:00	20+5	First trimester neurosono how to	R. Chaoui (Germany)
09:25	10:25	20+5	Posterior fossa in the first trimester: what's new?	P. Volpe (Italy)
09:50	10:50	25	Discussion	All speakers
10:15	11:15	20	Short break	
10:35	11:35	20+5	Aqueductal stenosis and primary obstructive hydrocephalus: how sure is the diagnosis?	K.Karl (Munich)
11:00	12:00	20+5	Beyond the midline...to know not to know	D. Paladini (Italy)
11:25	12:25	20+5	Limitations of MRI in fetal neuroimaging - strengths of neurosonography?	G. Kasprian (Austria)
11:50	12:50	25	Discussion	All speakers
12:15	13:15	60	Time to pause and reset for part II	
13:15	14:15	20+5	Cerebral hemorrhage: diagnostic work-up and prognostication	D. Paladini (Italy)
13:40	14:40	20+5	How to assess normal and abnormal gyration	R. Chaoui (Germany)
14:05	15:05	20+5	Spinal dysraphisms: what does not qualify for fetal surgery	M. Sanz Cortes (USA)
14:30	15:30	25	Discussion	All speakers
14:55	15:55	20	Short break	
15:15	16:15	20+5	Why does a fetus with CHD need neurosonography?	A. Khalil (UK)
15:40	16:40	20	Final discussion and remarks	All faculty
16:00	17:00	10	Feedback and close	R. Birnbaum (Israel); D. Paladini (Italy)