



**EANS / ESPN / WFNS Course on
“Emergencies in Pediatric neurosurgery”**

Part I

**«What a general neurosurgeon needs to know
on Raised Intracranial Pressure and Hydrocephalus in pediatrics»**

14th September 2021

Virtual Course

Dear colleagues!

It is a pleasure for us to invite you to the Course “Emergencies in Pediatric neurosurgery”, organized by the Pediatric Section of EANS jointly with ESPN and Pediatric Committee of WFNS.

The Course is devoted to the differences in manifestations and emergency management of the key pediatric pathologies such as Hydrocephalus, Raised Intracranial Pressure, CNS Congenital malformations, Brain tumors, Neurotrauma and Pediatric CNS Infections.

Due to the current situation with COVID-19 pandemic the first part of the course will be fully virtual. We hope that the remaining parts will be organized as a in-person meeting in 2022.

The first part of the Course is focused on the differences between infants and adults in raised ICP and obstructive hydrocephalus from the different neurological manifestations, to MRI and ultrasound, but also on the pediatric specificities of emergency management such as EVD placement, CSF shunts and ETV with a focus on infants and neonates.

There will be presentations by experts in pediatric neurosurgery as well as round-table discussions, case presentations and video-sessions.

The course will be hold on the 14th September this year.

The first part of the Course will be free to attend, but registration is mandatory.

Register in advance for this meeting:

<https://karlstorz-ru.zoom.us/meeting/register/tZl0ceqtpjIpH9FLexb9hwUvNgAfAUFRzK6z>

After registering, you will receive a confirmation email containing information about joining the meeting.

Regards,

Prof. Marianne Juhler

Chair of the EANS Pediatric Board Section,

Prof. Sergey Gorelyshev,

Co-Chair of the Course

Prof. Federico Di Rocco,

Co-Chair of the Course

PROGRAM

14.00	Introduction	Sergey Gorelyshev, Federico Di Rocco
PART I. What a general neurosurgeon needs to know on Raised Intracranial Pressure and Hydrocephalus in pediatrics		
14:05	Modern theory of CSF circulation	Concezio Di Rocco
14.20	Discussion	Sergey Gorelyshev, Shlomi Constantini
14:25	MRI diagnosis of acute hydrocephalus in children	Igor Pronin
14.40	Discussion	Thomas Roujeau, Gianpiero Tamburrini
14:45	Differences in neurological manifestations of obstructive hydrocephalus in infants and adults	Elen Khuhlaeva
15.00	Specificities of pediatric hydrocephalus	Gianpiero Tamburrini
15.15	Discussion	Spyros Sgouros Matthieu Vinchon
15:20	Intraventricular haemorrhage in premature infants and treatment options in the management of posthemorrhagic hydrocephalus (PHH)	Ulrich Tomale
15.35	Discussion	Matthieu Vinchon; Martina Messing-Jünger
15.40	Risks and limitations of ETV in neonates and infants	Federico Di Rocco
15.55	Discussion	Gianpiero Tamburrini, Spyros Sgouros
16.00	<i>Break</i>	
PART II. What a general neurosurgeon needs to know of the emergency management of Raised Intracranial Pressure and Hydrocephalus in pediatrics		
16.20	How to place an EVD in neonates and infants	Thomas Roujeau
16.35	Discussion	Ulrich Thomale, Miroslav Gjurasin
16.50	How to place a CSF shunt in neonates and infants	Matthieu Vinchon
17.05	Discussion	Maurice Choux, Concezio Di Rocco
17.10	Complications of CSF shunts in neonates	Francesco Sala
17.25	Discussion	Alexandru Szathmari, Sandip Chatterjee
17.30	Emergency management of Shunt infections	Sergey Gorelyshev
17.45	Discussion	Nelci Zanon, Maurice Choux
17.50	Shunt revisions – How I do it	Sandip Chatterjee
18.05	Discussion	Francesco Sala, Ulrich Thomale
18.10	Conclusions and End of Course	