



Journées Lyonnaises de Neurochirurgie

Lyon, 1-3 Février 2020

Novotel Gerland, 70 av Leclerc Lyon, France

Saturday 1st February 2020

9h00 French national Staff

Discussion Dossiers

Pause repas

13h30 Réunion CMR Craniosténoses

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|-------|----------------------------------------------------------------------|---------------|
| 13.30 | Présence française à Oxford 2020 | F Di Rocco |
| | Le PNDS: état des lieux | G Paternoster |
| | Critères analyse des résultats chirurgicaux dans les scaphocéphalies | M Vinchon |
| | PHRC Scaphocéphalies | F Di Rocco |
| | Le plateau technique nécessaire pour les craniosténoses | G Pech Gourg |

14:30 Discussion dossiers

16.00 *pause*

16:30 Round Table Lipofilling: When and how?

Introduction to the round table A Gleizal

B Laure, C Herling, R Khonsari, C Paulus ... (tbc)



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Lyon 1

17 :30	<u>Round table</u> : Craniosynostosis and hydrocephalus. State of the Art	
	Introduction to the round table	F Di Rocco
	FM and posterior fossa growth	M Catala
	FM, posterior fossa and ventricles in synostosis	C Raybaud
	When to Shunt and when to propose an ETV	L Massimi
	When to distract posteriorly	G Solanki
	Discussion: U Thomale, L Massimi, J Kestle, G Solanki	

18:30	Invited lecture: Hydrocephalus Revisited
	C Di Rocco The evolving concept of hydrocephalus

19:30 *Hands-on (bone cutting with bonescalpel)*

20:30 *Dinner*



Hydrocephalus revisited

CSF disorders in the fetus neonates and infants; from diagnosis to treatment

Sunday 2 February 2020

8h00 PATHOPHYSIOLOGY OF CSF

Chair: M Choux, J Wisoff

- 8:00 Embryology and CSF disorders M Catala
- 8:20 CSF circulation: reality or myth M Vukic
- 8:40 New pathogenetic concepts in Hydrocephalus:
Applications to the neuroimaging studies C Raybaud
- 9:00 What can we hypothesize from animal models of hydrocephalus?
Intracisternal Bioglue® injection in the fetal lamb S Duru
- 9:20 Genetics of CSF disorders: M Rossi
- 9:40 Choroidal plexus and aquaporines JF Gherzi-Egea
- 10:00 The point of view of the pediatric neurosurgeon on CSF dynamics
and physiology of CSF D Scavarda
- 9h50 ICP in children M Schuhmann
- 10:10 Discussion
- 10:30 *Visit of stands*

11h00 ANTENATAL DIAGNOSIS OF CSF DISORDERS

Chair: C Mottolese, M Messing Juenger

- 11:20 Antenatal diagnosis of CSF disorders: is MR necessary? L Guibaud
- 11:40 Hydrocephalus associated to MMC in the post-MOMS era:
Does intrauterine closure of MMC change the incidence
and evolution of associated hydrocephalus? F Van Calenbergh
- 12.00 Hydrocephalus associated to MMC in the post-MOMS era:
The French experience M Zerah
- 12.10 Hydrocephalus associated to MMC in the post-MOMS era:
Discussion All participants



12:30 Round table: How to announce the CSF disorders to the family J Wisoff, M
Massoud, V Des Portes, O Klein, L Guibaud, G Solanki

13h00 *Lunch Break*

14h00 GENERALITIES IN MANAGEMENT OF NEONATAL AND CONGENITAL HYDROCEPHALUS

Chair: D Scavarda, O Claris

14:00 Neonatal hydrocephalus: specificities for the pediatrician O Claris

14:30 Neonatal hydrocephalus: specificities for the neurosurgeon S Sgouros

14:50 Discussion

15h00 SHUNTS

Chair: C Mazza, C Di Rocco

15:00 Complications and results of perinatal hydrocephalus M Vinchon

15:20 Quality improvement in pediatric hydrocephalus J Kestle

15:40 Companies Engineers' presentations: Sophysa, Miethke, Integralife, Medtronic

17:00 *Visit of stands*

17h30 POST HEMORRHAGIC HYDROCEPHALUS

Chair: O Klein, F Van Calhenberg

17:30 Long-term outcome of PHH K Luyt

17:50 Round table: Can perinatal management influence outcome?

CSF markers and prognosis E Gimbert

Is ventricular lavage the solution ? U Thomale

The role of subgaleal shunt L Massimi

When and how to shunt D Scavarda

Discussion

20:30 *Dinner*



Monday 3 February 2020

9h00 MALFORMATIVE HYDROCEPHALUS

Chair: A Szathmari, F Proust

- 9:00 Management and long-term outcome of children with Dandy Walker's associated hydrocephalus J Kestle
- 9:20 Management and long-term outcome of children with cyst's associated hydrocephalus G Zeng
- 9:40 Management and Long-term outcome of children with holoprosencephaly M Messing Juenger
- 10:00 Management and long-term outcome of children with hydranencephaly N Akalan
- 10:20 Discussion

10:30 Visit of stands

11h00 POST INFECTIVE HYDROCEPHALUS

Chair: G Coll, J Kestle

- 11:00 What germs and what consequences G Pech-Gourg
- 11:20 Multiloculated hydrocephalus in the first year of life M Delion
- 11:30 Long-term outcome of children with post infective hydrocephalus J Wisoff
- 11:50 Endoscopy and extrathecal CSF shunts in loculated cavities L Massimi

12h00 VGAM AND HYDROCEPHALUS

Chair: M Delion, L Massimi

- 12:00 Hydrocephalus and VGAM M Zerah
- 12:20 Management of VGAM F Turjman
- 12:40 Case based Discussion J Wisoff

13:00 *Lunch*



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14h00 SHUNTS VERSUS ENDOSCOPY ?

Chair: L Riffaud, W Wagner

14:00	Is there a place for VCS in newborn?	G Coll
14:10	ETV alone and ETV+CPC	J Kestle
14:25	Long term mortality after ETV and extrathecal shunts	S Sgouros
14:40	Long term neurological outcomes after ETV and extrathecal shunts	F Van Calenbergh
14:55	Long term morbidity after ETV and extrathecal shunts	W Wagner
15:10	How ETV and extrathecal shunts do modify the physiology of CSF	J Wisoff

15h30 HOW TO AVOID UNDER AND OVERDRAINAGE

Companies Engineers: Sophysa, Miethke, Integralife, Medtronic

16:30 Visit of stands

17h00 ESTABLISHING SUCCESS CRITERIA

Chair: T Roujeau, F Di Rocco

17:00	Universal criteria vs according to the type of etiology	M Zerah
17:15	Universal criteria according to the surgeon/patient	W Wagner
17:30	<u>Round table</u> discussion	All participants
18:00	Essential success criteria in hydrocephalus management	M Choux

18:30 Hands-on (valves)

