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

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)
17:30  **Round table: 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

<table>
<thead>
<tr>
<th>18:30</th>
<th>Invited lecture: <strong>Hydrocephalus Revisited</strong></th>
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<tbody>
<tr>
<td></td>
<td>C Di Rocco The evolving concept of hydrocephalus</td>
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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 Biogluè® injection in the fetal lamb S Duru
9:20 Genetic s of CSF disorders: M Rossi
9:40 Choroidal plexus and aquaporines JF Ghersi-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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<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Chair/Presenter</th>
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<tbody>
<tr>
<td>14h00</td>
<td>SHUNTS VERSUS ENDOCOPY ?</td>
<td>L Riffaud, W Wagner</td>
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<td>14:00</td>
<td>Is there a place for VCS in newborn?</td>
<td>G Coll</td>
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<td>14:10</td>
<td>ETV alone and ETV+CPC</td>
<td>J Kestle</td>
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<td>14:25</td>
<td>Long term mortality after ETV and extrathecal shunts</td>
<td>S Sgouros</td>
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<td>14:40</td>
<td>Long term neurological outcomes after ETV and extrathecal shunts</td>
<td>F Van Calenbergh</td>
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<td>14:55</td>
<td>Long term morbidity after ETV and extrathecal shunts</td>
<td>W Wagner</td>
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<td>15:10</td>
<td>How ETV and extrathecal shunts do modify the physiology of CSF</td>
<td>J Wisoff</td>
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<td>15h30</td>
<td>HOW TO AVOID UNDER AND OVERDRAINAGE</td>
<td>Sophysa, Miethke, Integralife, Medtronic</td>
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<td>17h00</td>
<td>ESTABLISHING SUCCESS CRITERIA</td>
<td>T Roujeau, F Di Rocco</td>
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<td>Universal criteria vs according to the type of etiology</td>
<td>M Zerah</td>
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<td>17:15</td>
<td>Universal criteria according to the surgeon/patient</td>
<td>W Wagner</td>
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<td>17:30</td>
<td>Round table discussion</td>
<td>All participants</td>
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<tr>
<td>18:00</td>
<td>Essential success criteria in hydrocephalus management</td>
<td>M Choux</td>
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<td>18:30</td>
<td>Hands-on (valves)</td>
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