

COURS NORD AFRICAÏN DE NEUROCHIRURGIE PEDIATRIQUE

Sous égide ESPN

First Cycle

(langues du premier cycle Français et Anglais)

DAY 1 Jeudi 10/09/26

08:30: Introduction to the Course

08:40 Introductory remarks

09:00 Initial questionnaire for trainees

PART I HYDROCEPHALUS

Chairs:

9:30: Current interpretation of hydrocephalus

9:50 Discussion

10:00: Neuromaging

10.15 Antenatal and Malformative hydrocephalus

10:30 Post-hemorrhagic hydrocephalus and its management options

10:45 Post-infective hydrocephalus and its management options

11:00 Break

11.30 *Cases presentation, key points and discussion*

11:30 *Case #1*

11:45 *Case #2*

12.00 *Case #3*

12.15 *Case #4*

12:30-14:00 Lunch Break

PART II MANAGEMENT OF HYDROCEPHALUS -SHUNTS

Chairs

14.30 Shunts technology (adjustable, antigravitational, flow regulated..,)

14.45 Ventriculo-atrial CSF shunt in children: How and when I do it

15.00: Ventriculo subgaleal shunt: How and when I do it

15:15 CSF shunt complications

15.30 How to follow-up a child with hydrocephalus and functional outcome

15:45 ROUND TABLE DISCUSSION:

Participants: C MOTTOLESE, T ROUJEAU, L MASSIMI

How to reduce the complications rate of ventriculo-peritoneal shunt

- Patient's preparation, post-operative ward management
- Opening (skin, bone, dura) and closure
- How to not miss the ventricles
- Shunt insertion (in the subcutaneous tissue, in the abdominal cavity)

16:30 Break

PART III CSF SHUNTS COMPLICATIONS

Chairs:

17.00 *Cases presentation and discussion on management of shunts complications and keypoints*

17.00 *Case #1*

17.15 *Case #2*

17.30 *Case #3*

17.45 *Case #4*

18.00 *Case #5*

18.15 Discussion and conclusions

DAY 2 Vendredi 11/09/26

08:30-13:30 MORNING SESSION

ENDOSCOPIC THIRD VENTRICULOSTOMY –PART I

Chairs:

8:30: Endoscopic ventricular anatomy

08.45: Imaging before and after ETV

09.00: Third ventriculostomy principles

09.15 Role of CPC

09.30 Short term complications of ETV

9.45 Follow-up after ETV and long-term results of ETV

10.00 Discussion

10.30 Break

PART IV INTER-REACTING SESSION

11.00-13.00

- Hands-on:
- Solve cases:
- Cases presentation:
- Surgical material illustration

13:00-14:30 lunch Break

14.30-16.00 AFTERNOON SESSION

ETV PART II

Chairs:

14.30 *Case based discussion and key points : ETV in myelomeningocele*

14.45 *Case based discussion and key points : ETV in Chiari type 1*

15.00 *Case based discussion and key points : ETV in TBC*

15.15 *Case based discussion and key points : ETV in PFT*

15.30 Discussion

DAY 3 SAMEDI 12/09/26

08:00-12.30 MORNING SESSION 3

POSTERIOR FOSSA TUMORS MANAGEMENT

Chairs:

- 8:00-08:20 Imaging of posterior fossa tumors in children
- 8:20-8:40 Histology and genetics
- 8:40 Discussion
- 9:00-9:20 *Surgical principles, case based discussion and keypoints : LGG*
- 9:20 -9:40 Principles of malignant tumor management (chemiotherapy, radiotherapy, targeted therapies...)
- 9:40 Discussion
- 10:00 Place of second look surgery in pediatric posterior fossa tumors
- 10:20 *Surgical principles, case based discussion and keypoints : Ependymomas*
- 10:40 *Surgical principles, case based discussion and keypoints : Medulloblastomas*

11:00 Break

11:30-13:00 POSTERIOR FOSSA TUMORS MANAGEMENT (continued)

Chairs:

- 11:30 Surgical principles and cases discussion of Brain stem tumors
- 11:50 Electrophysiology in posterior fossa surgery in children
- 12:10 Posterior fossa biopsies in children step-by-step
- 12:30 *Surgical principles, case based discussion and keypoints : Vascular lesions of the posterior fossa in children*
- 12:50 Discussion

13.00-14:30 Lunch Break-Hands on

14:30-18.30 AFTERNOON SESSION

14:30 POSTERIOR FOSSA TUMORS SURGICAL MANAGEMENT AND COMPLICATIONS

Chairs:

14:30-15:15 ROUND TABLE DISCUSSION:

Participants: S FERRAH, M DARMOUL, C DI ROCCO, MAROC

How to open the posterior fossa dura mater in children and approach the IV ventricle

- Positioning
- Opening (skin, bone, dura)
- Transvermian, telovelar...

15:15: Posterior fossa closure in children (duraplasty, bone, etc.)

15:30 Complications of posterior fossa closure and their management

15:45 Cerebellar mutism and posterior fossa syndrome

16:05 Follow-up of children operated on for a posterior fossa tumor

16:20 Discussion

16:30 Break

17:00 CASES FOR DISCUSSION: POSTERIOR FOSSA TUMORS IN CHILDREN

Chairs

17:00-18:00 *Cases presentation and discussion on pediatric posterior fossa tumors*

17:00 *Case #1*

17:15 *Case #2*

17:30 *Case #3*

17:45 *Case #4*

18:00 Long-term complications of adjuvant therapies : What a neurosurgeon needs to know

18.15-18:30 Course evaluation and final questionnaire