

# COURS NORD AFRICAIN 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

C DI ROCCO

9:50 Discussion

10:00: Neuromaging

LOCAL RADIOLOGIST

10:15 Antenatal and Malformative hydrocephalus

T ROUJEAU

10:30 Post-hemorrhagic hydrocephalus and its management options

F DI ROCCO

10:45 Post-infective hydrocephalus and its management options

N TIGHT

11:00 Break

11.30 *Cases presentation, key points and discussion*

11:30 *Case #1*

L MASSIMI

11:45 *Case #2*

M RKHAMI

12.00 *Case #3*

M DARMOUL

12.15 *Case #4*

N TIGHT

**12:30-14:00 Lunch Break**

## PART II MANAGEMENT OF HYDROCEPHALUS -SHUNTS

### Chairs

14.30	Shunts technology (adjustable, antigravitational, flow regulated...)	S FERRAH
14.45	Ventriculo-atrial CSF shunt in children: How and when I do it	T ROUJEAU
15.00:	Ventriculo subgaleal shunt: How and when I do it	L MASSIMI
15:15	CSF shunt complications	F DI ROCCO
15.30	How to follow-up a child with hydrocephalus and functional outcome	L MASSIMI
15:45	<u>ROUND TABLE DISCUSSION:</u>	C DI ROCCO

Participants: C MOTTOLESE, T ROUJEAU, L MASSIMI

How to reduce the complications rate of ventriculo-peritoneal shunt

- Patient's preparation, post-operative ward management N TIGHLIT
- Opening (skin, bone, dura) and closure MAROC FAC
- How to not miss the ventricles F DI ROCCO
- Shunt insertion (in the subcutaneous tissue, in the abdominal cavity) M DARMOUL

### 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	T ROUJEAU
17.15	Case #2	L MASSIMI
17.30	Case #3	S FERRAH
17.45	Case #4	M RKHAMI
18.00	Case #5	MAROC FACULTY

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	N TIGHLIT
08.45: Imaging before and after ETV	<b>LOCAL RADIOLOGIST</b>
09.00: Third ventriculostomy principles	M DARMOUL
09.15 Role of CPC	C MOTTOLESE
09.30 Short term complications of ETV	L MASSIMI
9.45 Follow-up after ETV and long-term results of ETV	F DI ROCCO
10.00 Discussion	
10.30 Break	

**PART IV INTER-REACTING SESSION**

11.00-13.00

- Hands-on: F DI ROCCO, LOCAL FACULTY
- Solve cases: T ROUJEAU, N TIGHLIT, S FERRAH, LOCAL FACULTY
- Cases presentation: L MASSIMI, M DARMOUL, M RKHAMI
- 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	C MOTTOLESE
14.45 Case based discussion and key points : ETV in Chiari type 1	L MASSIMI
15.00 Case based discussion and key points : ETV in TBC	T ROUJEAU
15.15 Case based discussion and key points : ETV in PFT	F DI ROCCO
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 LOCAL RADIOLOGIST
- 8:20-8:40 Histology and genetics LOCAL HISTOLOGIST
- 8:40 Discussion
- 9:00-9:20 *Surgical principles, case based discussion and keypoints : LGG* L MASSIMI
- 9:20 -9:40 Principles of malignant tumor management (chemiotherapy, radiotherapy, targeted therapies...) ONCOLOGIST ZOOM
- 9:40 Discussion
- 10:00 Place of second look surgery in pediatric posterior fossa tumors T ROUJEAU
- 10:20 *Surgical principles, case based discussion and keypoints : Ependymomas* L MASSIMI
- 10:40 *Surgical principles, case based discussion and keypoints : Medulloblastomas* F DI ROCCO

##### 11:00 Break

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

##### Chairs:

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

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.) N TIGHLIT

15:30 Complications of posterior fossa closure and their management T ROUJEAU

15:45 Cerebellar mutism and posterior fossa syndrome C DI ROCCO

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

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 L MASSIMI

17:15 Case #2 S FERRAH

17:30 Case #3 M RKHAMI

17:45 Case #4 LOCAL

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

**ONCOLOGIST ZOOM**

**18.15-18:30 Course evaluation and final questionnaire**