CRANIOST LYON MASTERCLASS 2027

Update in monosutural synostosis

3-4 december 2026

ERN CRANIO –ESPN-ESCFS

Anterior Synostotic Plagiocephaly : why and how

Osteotomies variations in open and minimally invasive procedures

DAY ONE DECEMBER 3rd 2026

14h00 PART I	
Introduction	5
Pre symposium survey	10
Indication and principles of surgery	10
Challenges in the management of UCS	10
Discussion	
Genetic background of UCS	10
Focus on ophtalmological issues	10
Parent's expectations and what to tell the parents	10
Discussion	10
15h20 PART II	
UCS Endoscopic technique : when and how	10
Case based panel discussion « How I do it » and surgical nuances	30
Panel discussion on helmets : indication, design and duration	20
16h20 ***Break***	30
17h00 PART III Con't	
UCS spring technique	10

Case based panel discussion « How I do it » and surgical nuances	30
UCS Open technique	10
Case based panel discussion « How I do it » and surgical nuances	30
UCS Distraction technique	10
UCS endoFODO technique	10
Case based panel discussion « How I do it » and surgical nuances	30
Conclusions	10

DAY TWO FRIDAY 4th DECEMBER 2026

8h00 PART IV

Short term and long term surgical complications	10
FU, Results, redos and surgical outcome	10
Focus on temporal retrusion and esthetic outcome	10
Focus on orbital growth in UCS	10
Focus on morphological, 3D FU	10
Focus on functional results	10
Discussion	

9h20 PART V

HANDS-ON 160

OPEN TECHNIQUE	40 mn
SPRING	40 mn
DISTRACTORS	40 mn
ENDOSCOPY	40 mn

12.00-13.00 PART VI

Posterior plagiocephaly : indication for surgery	10
Endoscopic technique	10
Open technique	10
Distraction technique	10
Case Discussion	10
Conclusion, survey	10

Satellite Symposium NEW INSIGHTS IN THE GENETICS OF CRANIOSYNOSTOSIS

FRIDAY 4th DECEMBER 2026

14 h Introduction

14h10-16h00	**PART I: FROM BENCH TO CLINICAL PRACTICE**
14h10	Surgical impact of genetic anomalies
14h20	Molecular cascades at the suture level and impact of genetic variants
14h35	New genes, new syndromes
14h45	Genotype-Phenotype correlation
15h00	Discussion
15h20	When to ask for a genetic test and what to ask
15h30	From targeted panels to WGS: impact of novel diagnostic tests in CS care
15h40	Discussion

16h00-16h30 Break

16h30	**PART II PREGNANCY AND CRANIOSYNOSTOSIS**
16h30	Antenatal diagnosis of craniosynostosis -Surgical issues
16h40	Antenatal diagnosis of craniosynostosis: what can we see?
16h50	Prenatal counseling and hereditary risk assessment
17h00	Role and timing of genetic studies in antenatal diagnosis of sporadic simple synostosis
17h10	Discussion

17h30-18h30 PART III: MEDICAL TREATMENTS OF BONE DISEASES

17h30 Lesson learned from animal models in chondrodysplasia and craniosynostosis

17h40 The example of pharmacological treatments in metabolic bone diseases

17h50 TK inhibitors, current indications and repurposing

18h00 Antisense/RNAi strategies as personalized drugs for rare diseases

18h10 Nanotechnologies for drug design and targeted delivery

18h20 The patient perspective: views from family association

18h30 Conclusions of the session

Location:
Hopital Neurologique
6è étage Salle Lapras
59 bd Pinel LYON , France

TO REGISTER

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