

# SKULL BASE 360°

PROGRAMME

JANUARY 22 - 26



2024

**ircad**  
France

STRASBOURG  
UNIVERSITY

Course directors

**S. Froelich** (FR)

**C. Debry** (FR)

# SKULL BASE COURSE 360°: THE FULL SPECTRUM MICRO / ENDO / RADIOSURGERY

## COURSE DIRECTORS

### Neurosurgeon

Sébastien FROELICH  
Paris, France

### ENT

Christian DEBRY  
Strasbourg, France

### FACULTY

Oliver BOZINOV  
Michael BRUNEAU  
Luigi CAVALLO  
Roy DANIEL  
Henry DUFOUR  
Akis FRATZOGLU  
James LIU  
Vincent LUBRANO  
Francois NATAF  
Frederico PESSINA  
Piero PICOZZI  
Daniel Prevedello  
Nicolas REYNS  
Francesco SALA  
Marc SINDOU  
Marcos TATAGIBA  
Peter WINKLER

Switzerland  
Belgium  
Italy  
Switzerland  
France  
Greece  
USA  
France  
France  
Italy  
Italy  
USA  
France  
Italy  
France  
Germany  
Germany

## LOCAL FACULTY AND TRAINERS

Jonathan CHAINEY  
Idir DJENNAOUI  
Arianna FAVA  
Norio ICHIMASU  
Jerold JUSTO  
Harry PINSON  
Vasiliki XENAKI

Canada  
France  
Italy  
Japan  
Philippines  
Belgium  
Greece

# Monday, January 22<sup>nd</sup>, 2024

## MORNING

07.40 am Registration

07.55 am Welcome- Introduction

*S. Froelich -*

### **THEORETICAL SESSION – RADIOSURGERY SESSION**

08.30 am Fundamentals of a radiosurgery procedure

*F. Nataf*

08:50 Radiosurgery for vestibular schwannomas

*P. Picozzi*

09.15 am Coffee break

9.30 am Combined surgical and radiosurgical approach  
for large vestibular schwannomas

*R. Daniel*

09.55 am Radiosurgery for skull Base meningiomas

*N. Reyns*

10.20 am Radiosurgery for pituitary adenomas

*V. Lubrano*

10.45 am Break

11.15 am Complication and failures

*R. Daniel*

11.40 am Re-Irradiation

*P. Picozzi*

12.05 am Introduction for the hands-on session  
Presentation of the treatment planning  
system

12:30 pm Lunch at the Institute

# SKULL BASE COURSE 360°: THE FULL SPECTRUM MICRO / ENDO / RADIOSURGERY

## AFTERNOON

### PRACTICAL SESSION ON TREATMENT PLANNING STATIONS:

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02.00 pm Introduction: Rob Cessac  
Physics & Technology overview  
Demonstration of the Planning software  
Cases presentation:

- Vestibular schwannomas
- Trigeminal schwannomas
- Pituitary tumor
- Skull base meningioma

Hands on – Dose planning  
Discussion

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06.00 pm End of day session  
Evening free

# Tuesday, January 23<sup>rd</sup>, 2024

## MORNING

07.30 am Evaluation of the previous day

### THEORETICAL SESSION – ANTEROLATERAL CORRIDOR: FTOZ, CLINOIDECTOMY, CAVERNOUS SINUS

07: 45 FTOZ: Anatomy and techniques *S. Froelich*

08:10 am Extradural anterior clinoidectomy *F. Pessina*

08.30 am Cavernous sinus exposure & anteromedial and anterolateral triangle *S. Froelich*

08:50 am Treatment strategies and surgical management of cavernous sinus meningiomas *J. Liu*

09.15 am Coffee Break

### PRACTICAL SESSION IN EXPERIMENTAL LABORATORY:

09.30 am Steps of the dissection:

#### **Right side of the specimen**

1. Interfacial dissection
2. Retrograde dissection of the temporalis muscle
3. Elevation of the periorbital
4. Inferior orbital fissure exposure & MC Carthy keyhole
5. One piece FTOZ craniotomy
6. Pterion and sphenoid drilling
7. Peeling of the lateral wall of the CS
8. Extradural anterior clinoidectomy
9. Exploration of the cavernous sinus
10. Extradural anterior temporal fossa exposure

01.00 pm Lunch at the Institute

# SKULL BASE COURSE 360°: THE FULL SPECTRUM MICRO / ENDO / RADIOSURGERY

## AFTERNOON

### Bernard GEORGE LECTURE

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01.45 pm Vestibular Schwannomas : How I do it *M. Tatagiba*

### THEORETICAL SESSION – SUBTEMPORAL CORRIDOR

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02.15 pm Surgical anatomy of the petrous bone *P. Winkler*

02.45 pm Anterior petrosal approach *S. Froelich*

03.15 pm Break

### PRACTICAL SESSION IN EXPERIMENTAL LABORATORY:

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03.30 pm Steps of the dissection:

#### **Right side of the specimen**

1. Temporal craniotomy (Posterior extension of the previous craniotomy)
  2. Peeling of the dura and exposure of Kawase triangle
  3. Anterior petrosectomy
  4. Extradural temporal fossa approach
  5. Opening of the dura
  6. Opening Meckel's cave
  7. Exploration with the endoscope
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07.00 pm End of day session

07.15 pm Cheese and Wine cocktail at IRCAD

# Wednesday, January 24<sup>th</sup>, 2024

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## MORNING

07.30 am Evaluation of the previous day

### THEORETICAL SESSION – RETROSIGMOID, TRANSLABYRINTHINE, POSTERIOR PETROSAL APPROACHES

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07.45 am Retrosigmoid approach *M. Tatagiba*

08.05 am Translabyrinthine approach *C. Debry*

08.25 am Posterior petrosal approach and combined *S. Froelich*

### LESSON FROM THE MASTERS LECTURE

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08.50 am Microvascular decompression for Trigeminal Neuralgia *M. Sindou*

09.20 am Break

### PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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09.30 am Steps of the dissection:

**Right side of the specimen**

1. Soft tissue dissection
2. L-shape craniotomy
3. Mastoidectomy
4. Opening the dura and section of the tentorium
5. Transposition of the sigmoid sinus
6. Drilling of the labyrinth

01.00 pm Lunch at the Institute

# SKULL BASE COURSE 360°: THE FULL SPECTRUM MICRO / ENDO / RADIOSURGERY

## AFTERNOON

### THEORETICAL SESSION – POSTEROLATERAL CORRIDOR

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01.45 pm	Far lateral approach	<i>O. Bozinov</i>
02.10 pm	Anterolateral approach	<i>M. Bruneau</i>
02.35 pm	Approach to the jugular foramen	<i>J. Liu</i>

#### **Group picture in the auditorium**

03.00 pm Break

### PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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03.15 pm Steps of the dissection:

#### **Left side of the specimen**

1. Far lateral approach – midline hockey stick incision
2. Closure at the end of the dissection

Break and repositioning of the specimen

#### **Right side of the specimen**

3. Anterolateral approach
4. Opening the jugular foramen

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07.00 pm End of day session

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08.30 pm Dinner at the Restaurant “La Brasserie des Haras”,  
23 Rue des Glacières in Strasbourg



# Thursday, January 25<sup>th</sup>, 2024

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## MORNING

07.30 am Evaluation of the previous day

## THEORETICAL SESSION – KEYHOLE & TRANSORBITAL APPROACHES

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07.45 am Subfrontal keyhole approach *A. Fratzoglou*

08.05 am Lateral supraorbital approach *F. Pessina*

08.25 am Transorbital approach *L. Cavallo*

08.55 am Orbital rim moonlike craniotomy for mesial temporal lobe region *S. Froelich*

09.10 am Break

## PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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09.30 am Steps of the dissection:

### **Left side of the specimen**

1. Eyebrow incision – Supraorbital approach
2. Eyelid incision – Transorbital approach

12.45 pm Lunch at the Institute

# SKULL BASE COURSE 360°: THE FULL SPECTRUM MICRO / ENDO / RADIOSURGERY

## AFTERNOON

### GUEST SPEAKER LECTURE

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01.30 pm Monitoring in Skull Base Surgery

*F. Sala*

### THEORETICAL SESSION – ENDOSCOPIC ENDONASAL APPROACH: MIDLINE APPROACH: SELLA, TUBERCULUM & CLIVUS

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02.00 pm Endoscopic endonasal approach for  
pituitary adenomas

*H. Dufour*

02.20 pm Transtuberculum approach for  
craniopharyngioma

*L. Cavallo*

02.40 pm Endoscopic endonasal approach for  
clival lesions

*S. Froelich*

03.00 pm Break

### PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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03.15 pm Steps of the dissection:

1. Endoscopic exploration: endonasal anatomy
2. **Right side:** one nostril approach to sella
3. **Left side:**
  - middle turbinectomy
  - ethmoidectomy
  - antrostomy
  - Binostril approach to the planum and tuberculum
  - Binostril approach to the clivus

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07.00 pm End of day session  
Evening free

# Friday, January 26<sup>th</sup>, 2024

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## MORNING

07.30 am Evaluation of the previous day

### **THEORETICAL SESSION – ENDOSCOPIC ENDONASAL APPROACH: PLANUM – TUBERCULUM, CLIVUS AND CCJ**

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07.45 am Transpterygoid approach *C. Debry*

08.05 am Endoscopic endonasal approach to the cavernous sinus *L. Cavallo*

08.25 am Endoscopic endonasal approach to the petrous apex and meckel's cave *S. Froelich*

08.45 am Break

### **PRACTICAL SESSION IN EXPERIMENTAL LABORATORY**

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09.00 am Steps of the dissection:

1. Right side: Transpterygoid approach
2. Exposure of the cavernous sinus
3. Drilling of the petrous apex
4. Intracavernous ICA
5. Foramen lacerum

12.00 pm Lunch at the Institute

# SKULL BASE COURSE 360°: THE FULL SPECTRUM MICRO / ENDO / RADIOSURGERY

## AFTERNOON

### Fred GENTILLI LECTURE

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12.45 pm New trends in endoscopic endonasal surgery *D. Prevedello (videoconference)*

### THEORETICAL SESSION – ENDOSCOPIC ENDONASAL APPROACH: CLIVUS, CV JUNCTION & CLOSURE

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01.15 pm Endoscopic endonasal approach to the cranio-cervical junction *S. Froelich*

01.35 pm Endoscopic endonasal approach to the infratemporal fossa *J. Liu (videoconference)*

01.55 pm Closure techniques for EEA *L. Cavallo*

02.15 pm Break

### PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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02.20 pm Steps of the dissection:  
1. Approach of the CCJ  
2. Approach to the foramen jugular  
3. Infratemporal fossa exploration

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06.00 pm End of course  
Delivery of certificates of attendance