

# SKULL BASE 360°

PROGRAMME

JUNE 17 - 21



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

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### TRAINERS

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Japan

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Czech Republic

Nobuyuki WATANABA

Japan

# Monday, June 17<sup>th</sup>, 2024

## MORNING

07.40 am Registration

07.55 am Welcome- Introduction

*S. Froelich*

## THEORETICAL SESSION – RADIOSURGERY SESSION

08.00 am Radiosurgery past, present and future

*P. Picozzi*

08.25 am Radiosurgery, Fractionated radiation, Proton beam : fondamentales and respective indications

*V. Calugaru*

08:50 am Fundamentals of a radiosurgery procedure

*F. Nataf*

09.15 am Coffee break

09.30 am Radiosurgery for vestibular schwannomas

*G. Minnitti*

09.50 am Radiosurgery for skull Base meningiomas

*C. Boskos*

10.10 am Radiosurgery for pituitary adenomas

*P. Picozzi*

10.30 am Coffee break

11.00 am Complications and failure

*C. Boskos*

11.20 am Re-Irradiation, what can we do?

*V. Calugaru*

11.40 am How radiosurgery changed skull base surgery

*S. Froelich*

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

*F. Nataf*

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 & Maria Pires

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, June 18<sup>th</sup>, 2024

## MORNING

07.30 am Evaluation of the previous day

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

07.40 FTOZ: Anatomy and techniques *S. Froelich*

08.05 am Extradural anterior clinoidectomy *T. Meiling*

08.25 am Cavernous sinus exposure *S. Youssef*

### LESSON FROM THE MASTERS LECTURE

08.45 am The intracranial venous system. How to preserve it in skull base surgery ? *M. Sindou*

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

### GUEST SPEAKER LECTURE

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01.45 pm Endovascular preoperative management of skull base tumors *MA. Labeyrie*

### THEORETICAL SESSION – SUBTEMPORAL CORRIDOR

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02.15 pm Surgical anatomy of the petrous bone *A. Fava*

02.35 pm Anterior petrosal approach *S. Froelich*

03.00 pm Break

### PRACTICAL SESSION IN EXPERIMENTAL LABORATORY:

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03.15 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

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07.15 pm Cheese and Wine cocktail at IRCAD

# Wednesday, June 19<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 *F. Roser*

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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08.45 am Petroclival meningioma: Conquering the rock *O. Al-Mefty*

09.15 am Coffee 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>T. Meiling</i>
02.05 pm	Anterolateral approach	<i>S. Froelich</i>
02.25 pm	Foramen magnum meningiomas	<i>S. Youssef</i>

### LESSON FROM THE MASTERS LECTURE

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02.45 am	Jugular foramen tumors : Experience of a lifetime	<i>O. Al-Mefty</i>
03.15 am	Coffee Break	

### PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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03.30 pm	<u>Steps of the dissection</u> <b>Left side of the specimen</b> <ol style="list-style-type: none"><li>1. Far lateral approach – midline hockey stick incision</li><li>2. Closure at the end of the dissection</li></ol>
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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, June 20<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 *D. Haenggi*

08.10 am Minipterional approach *T. Meiling*

08.30 am Transorbital approach *M. De Notaris*

08.55 am Eyebrow transorbital approach *S. Froelich*

09.10 am Coffee 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 Vestibular Schwannomas: How I do it F. Roser

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

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02.00 pm Endoscopic endonasal approach for pituitary adenomas R. Gerlach

02.20 pm Transtuberculum approach for craniopharyngiomas D. Kelly

02.40 pm Transclival approach S. Froelich

**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  
Endoscopic exploration: endonasal anatomy

1. **Right side:** one nostril approach to sella
2. **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, June 21<sup>st</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 *M. Guk*

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

08.45 am Coffee Break

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

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09.00 am Steps of the dissection  
Right side: Transpterygoid approach

1. Exposure of the cavernous sinus
2. Drilling of the petrous apex
3. Intracavernous ICA
4. Foramen lacerum

12.00 pm Lunch at the Institute

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

## AFTERNOON

### GUEST SPEAKER LECTURE

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12.45 pm Keyhole supraorbital versus endonasal approach for anterior skull base lesions *D. Kelly*

### 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*

01.55 pm Closure techniques for EEA *D. Kelly*

02.15 pm Break

### PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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02.20 pm Steps of the dissection  
Approach of the CCJ

1. Approach to the foramen jugular
2. Infratemporal fossa exploration

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06.00 pm End of course  
**Delivery of certificates of attendance**