

SKULL BASE 360°

PROGRAMME

ircad
France
STRASBOURG
UNIVERSITY



JANUARY 19 - 23

S. Froelich (FR)

2026

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

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COURSE ENDORSEMENT



This course is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS).

EACCME credits are also recognized by the American Medical Association towards the Physician's Recognition Award (PRA).



This course meets the guidelines established by the WFNS (World Federation of Neurosurgical Societies).



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COURSE OBJECTIVES

4-DAY SKULL BASE SURGERY SESSION

- To provide an overview of the complex anatomy of the skull base
- To cover a broad spectrum of the skull base approaches and describe the technical steps of each specific approach
- To discuss indications of skull base approaches and surgical strategies
- To provide hands-on sessions on cadaveric specimens and improve skills
- To become more familiar with endoscopic endonasal approaches
- To understand the rationale and challenge of endoscopic endonasal approaches to the skull base
- To allow case discussions between experts and trainees

1-DAY RADIOTHERAPY SESSION

- To provide an overview of the newest radiation technologies for skull base lesions
- To provide radiation strategies for skull base lesions
- To provide indications of radiation
- To allow practical sessions on radiation therapy planning

SKULL BASE COURSE 360°:

THE FULL SPECTRUM MICRO / ENDO / RADIOSURGERY

Monday, January 19th, 2026

MORNING

07.40 am Registration

07.55 am Welcome- Introduction

S. Froelich

THEORETICAL SESSION – RADIOSURGERY SESSION

08:00 am How radiosurgery changed skull base surgery

A. Santacroce

08:30 am Fundamentals of a radiosurgery procedure

F. Nataf

09.00 am Coffee break

09.15 am Radiosurgery for vestibular schwannomas

N. Reyns

09.45 am Radiosurgery for skull base meningiomas

A. Balossier

10.15 am Coffee break

10.45 am Vestibular schwannomas: How to deal with pseudo-progression?

A. Balossier

11.15 am Radiosurgery: Limitation and concern

A. Santacroce

11:45 am Introduction to the hands-on session
Presentation of the treatment planning system

F. Nataf

12.00 pm Lunch at the Institute

AFTERNOON

PRACTICAL SESSION ON TREATMENT PLANNING STATIONS:

02.00 pm Introduction
 Physics & Technology overview
 Demonstration of the Planning software
 Cases presentation:
 • Vestibular schwannomas
 • Trigeminal schwannomas
 • Pituitary tumor
 • Skull base meningioma
 Hands on – Dose planning
 Discussion

06.00 pm End of day session
 Evening free

Tuesday, January 20th, 2026

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*

08.10 am Extradural anterior clinoidectomy & peeling of the lateral wall of the cavernous sinus *T. Passeri*

SPECIAL GUEST LECTURE

08.40 am Democratizing surgical excellence through artificial intelligence *L. Regli*

09.10 am Coffee Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY:

Rotation of trainers on each table

09.30 am Steps of the dissection by S. Froelich

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 & MCCarthy 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

AFTERNOON

LESSON FROM THE MASTER

01.45 pm My Strategy for Vestibular Schwannomas *A. Cervio*

THEORETICAL SESSION TRANSPETROSAL

02.15 pm Overview of transpetrosal approaches *F. Zenga*

02.35 pm Anterior petrosal approach *S. Froelich*

03.00 pm Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY:

Rotation of trainers on each table

03.15 pm Steps of the dissection by S. Froelich

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

07.00 pm End of day session

07.15 pm Cheese and Wine cocktail at IRCAD

Wednesday, January 21st, 2026

MORNING

07.30 am Evaluation of the previous day

THEORETICAL SESSION TRANSPETROSAL APPROACHES

07.45 am Retrosigmoid approach and extension *M. Bruneau*

08.05 am Translabyrinthine approach *I. Djennaoui*

08.25 am The mini-combined petrosal approach *S. Froelich*

LESSON FROM THE MASTER

08.45 am Treatment strategy for petroclival meningioma *A. Cervio*

09.15 am Coffee Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

Rotation of trainers on each table

09.30 am Steps of the dissection by S. Froelich

Right side of the specimen

1. Soft tissue dissection
2. L-shaped 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

AFTERNOON

THEORETICAL SESSION POSTEROLATERAL CORRIDOR

| | | |
|----------|-----------------------------|-------------|
| 01.45 pm | Far lateral approach | A. Fava |
| 02.05 pm | Anterolateral approach | M. Bruneau |
| 02.25 pm | Opening the jugular foramen | S. Froelich |

03.00 am Coffee Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

Rotation of trainers on each table

- 03.30 pm Steps of the dissection by S. Froelich
Left side of the specimen
- 1. Far lateral approach – midline hockey stick incision
 - . Closure at the end of the dissection

Break and repositioning of the specimen

Right side of the specimen

- . Anterolateral approach
- . Opening the jugular foramen

07.00 pm End of day session

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

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

Thursday, January 22nd, 2026

MORNING

07.30 am Evaluation of the previous day

THEORETICAL SESSION

KEYHOLE & TRANSORBITAL APPROACHES

07.45 am Subfrontal keyhole approach *S. Froelich*

08.05 am Transorbital approach *L. Cavallo*
• Indications and techniques

08.35 am Eyebrow transorbital approach *A. Fava*

LESSON FROM THE MASTER

08.55 am Treatment strategy for trigeminal schwannomas *A. Cervio*

09.25 am Coffee Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

Rotation of trainers on each table

09.30 am Steps of the dissection by S. Froelich

Left side of the specimen.

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

12.45 pm Lunch at the Institute

AFTERNOON

FRED GENTILI LECTURE

01.30 pm Challenges of Skull Base surgery in Rwanda *C. Karekezi*

THEORETICAL SESSION

ENDOSCOPIC ENDONASAL APPROACH: MIDLINE APPROACH: SELLA, TUBERCULUM & CLIVUS

02.00 pm Endoscopic endonasal approach for pituitary adenomas *B. Baussart*

02.20 pm Transtuberculum approach for craniopharyngiomas *M. Wiedmann*

02.40 pm Endoscopic endonasal approach to the clivus *F. Zenga*

Group picture in the auditorium

03.00 pm Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

Rotation of trainers on each table

03.15 pm Steps of the dissection by S. Froelich
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

07.00 pm End of day session
Evening free

Friday, January 23rd 2026

MORNING

07.30 am Evaluation of the previous day

THEORETICAL SESSION

ENDOSCOPIC ENDONASAL APPROACH: PLANUM – TUBERCULUM, CLIVUS AND CCJ

07.45 am Endonasal steps for extended approach

I. Djennaoui

08.05 am Endoscopic endonasal approach to the cavernous sinus

M. Guk

08.25 am Endoscopic endonasal approach to the petrous apex and jugular tubercle

S. Froelich

08.45 am Coffee Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

Rotation of trainers on each table

09.00 am Steps of the dissection by I. Djennaoui

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

AFTERNOON

SPECIAL LECTURE

12.45 pm Challenges in endoscopic endonasal surgery *L. Cavallo*

THEORETICAL SESSION

ENDOSCOPIC ENDONASAL APPROACH: CLIVUS, CV JUNCTION & CLOSURE

01.15 pm Endoscopic endonasal approach to the cranio-cervical junction *T. Passeri*

01.55 pm Closure techniques for EEA *M. Wiedmann*

02.15 pm Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

Rotation of trainers on each table

02.20 pm Steps of the dissection by M. Wiedmann
Approach of the CCJ

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

06.00 pm End of course
Delivery of certificates of attendance

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NOTE PAD

A large rectangular area with a light gray background and horizontal dashed lines, serving as a note pad. The lines are evenly spaced and extend across the width of the area, providing a guide for writing notes.

NOTE PAD

A large rectangular area with horizontal dashed lines, serving as a note-taking space. The lines are evenly spaced and extend across the width of the area, providing a guide for writing.

**SKULL BASE COURSE 360°:
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NOTE PAD

A large light gray rectangular area containing 20 horizontal dashed lines, serving as a note pad.