

SKULL BASE 360°

PROGRAMME

ircad
France
STRASBOURG
UNIVERSITY



DATE
JUNE 15 - 19

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

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Each IRCAD faculty member confirms that any conflict of interest they may declare has no bearing on any scientific activity during the courses: all course content is fair, balanced, and free of commercial bias

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 open approaches and describe the technical steps of each specific approach
- To become more familiar with endoscopic endonasal approaches
- To become more familiar with supraorbital keyhole approach
- To become more familiar with transorbital approach
- To understand the rationale and challenge of endoscopic endonasal, keyhole and transorbital approaches to the skull base
- To discuss indications of skull base approaches and surgical strategies
- To provide hands-on sessions on cadaveric specimens and improve skills
- 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, June 15th, 2026

MORNING

08.00 am Registration

08.15 am Welcome- Introduction

S. Froelich

THEORETICAL SESSION – RADIOSURGERY SESSION

08.20 am How radiosurgery changed skull base surgery and future developpement

J. Regis

09.00 am Fundamentals of a radiosurgery procedure

F. Nataf

09.20 am Coffee break

09.35 am Radiosurgery for vestibular schwannomas

J. Regis

10.00 am Radiosurgery for skull base meningiomas

P. Picozzi

10.25 am Other indications for skull base lesions

A. Santacrocce

10.50 am Coffee break

11.05 am Radiosurgery: Limitations and concerns

A. Santacrocce

11:30 am Introduction to the hands-on session

F. Nataf

Presentation of the treatment planning system

M. Pires

12.00 pm Lunch at the Institute

AFTERNOON

PRACTICAL SESSION ON TREATMENT PLANNING STATIONS:

02.00 pm Introduction

Physics & Technology overview

Planning software demonstration

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

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

Tuesday, June 16th, 2026

MORNING

07.30 am Evaluation of the previous day

THEORETICAL SESSION

ANTEROLATERAL CORRIDOR: FTOZ, CLINOIDECTOMY, CAVERNOUS SINUS

07.40 am FTOZ: Anatomy and techniques *S. Froelich*

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

08.30 am Treatment strategies for cavernous sinus meningiomas *T. Goto*

09.00 am Coffee Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY:

09.15 am **Steps of the dissection : FTOZ, clinoidectomy, peeling of the lateral wall, cavernous sinus**
Right side of the specimen

1. Interfacial dissection
2. Retrograde dissection of the temporalis muscle
3. Elevation of the periorbita
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

01.00 pm Lunch at the Institute

AFTERNOON

LESSON FROM THE MASTER

01.45 pm	Open Surgery / Radiosurgery: The perfect combination	<i>J. Regis</i>
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THEORETICAL SESSION TRANSPETROSAL

02.15 pm	Anterior petrosal approach	<i>S. Froelich</i>
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02.35 pm	Endoscopic subtemporal keyhole anterior transpetrosal approach	<i>T. Goto</i>
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03.00 pm	Break
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PRACTICAL SESSION IN EXPERIMENTAL LABORATORY:

03.15 pm	<u>Steps of the dissection – Anterior petrosal approach</u> Left side of the specimen
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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. Meckel's cave opening
7. Exploration with the endoscope

07.00 pm	End of day session
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07.15 pm	Cheese and Wine cocktail at IRCAD
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SKULL BASE COURSE 360°: THE FULL SPECTRUM MICRO / ENDO / RADIOSURGERY

Wednesday, June 17th, 2026

MORNING

07.30 am Evaluation of the previous day

THEORETICAL SESSION TRANSPETROSAL APPROACHES

07.45 am	Surgical anatomy of retromastoid approach of CPA: How to minimize complications	<i>M. Sindou</i>
08.05 am	Translabyrinthine approach	<i>I. Djennaoui</i>
08.25 am	The mini-combined petrosal approach	<i>S. Froelich</i>

LESSON FROM THE MASTER

08.45 am	Skull Base techniques, Complex Approaches, and Revascularization for the Giant Aneurysm: A Dying Art or a Microsurgical Resurgence?	<i>N. Khan</i>
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09.15 am Coffee Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

09.30 am	<u>Steps of the dissection – Minicombined petrosal approach</u> Right side of the specimen 1. Soft tissue dissection 2. L-shape craniotomy 3. Mastoidectomy and mini-combined approach 4. Dural opening and tentorium sectioning 5. Transposition of the sigmoid sinus 6. Drilling of the labyrinth, IAC, middle ear
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01.00 pm Lunch at the Institute

AFTERNOON

GUEST SPEAKER LECTURE

01.45 pm	The role of endovascular skull base surgery	V. Civelli
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THEORETICAL SESSION POSTEROLATERAL CORRIDOR

02.15 pm	Far lateral approach	S. Froelich
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02.35 pm	Anterolateral approach	S. Froelich
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02.55 pm	Approach to the Jugular foramen	N. Khan
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03.15 pm	Coffee Break
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PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

03.30 pm	<u>Steps of the dissection: Far Lateral and anterolateral approach</u> Left side of the specimen 1. Far lateral approach – midline hockey stick incision 2. Closure at the end of the dissection
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Break and repositioning of the specimen

Right side of the specimen

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|-----------------------------------|
| 3. Anterolateral approach |
| 4. Opening of the jugular foramen |

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

Thursday, June 18th, 2026

MORNING

07.30 am Evaluation of the previous day

THEORETICAL SESSION

KEYHOLE & TRANSORBITAL APPROACHES

07.45 am Subfrontal keyhole approach *E. Suero*

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

08.35 am Eyebrow transorbital approach *A. Fava*

08.50 am Eyebrow transorbital approach for epilepsy *S. Froelich*

LESSON FROM THE MASTER

09.05 am Surgical Strategy for vestibular schwannomas *E. Vellutini*

09.35 am Coffee Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

09:50 am Steps of the dissection: Keyhole and transorbital approach

Left side of the specimen.

1. Eyebrow incision – Transorbital approach

12.45 pm Lunch at the Institute

AFTERNOON

BERNARD GEORGE LECTURE

01.30 pm What should skull base surgeons know about the brain? *E. Mandonnet*

THEORETICAL SESSION

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

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

02.20 pm Transplanum – Transtuberculum approach for craniopharyngiomas and tuberculum sellae meningiomas *L. Cavallo*

02.40 pm Chopstick technique in Skull Base surgery *S. Froelich*

Group picture in the auditorium

03.00 pm Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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

07.00 pm End of day session
 Evening free

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

Friday, June 19th, 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 *E. Vellutini*

08.25 am Endoscopic endonasal approach to the petrous apex and jugular tubercle *T. Passeri*

09.10 am Coffee Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

09.30 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

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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