



SKULL BASE 360°

2025

PROGRAMME

DATE

COURSE DIRECTOR

JANUARY 20 - 24

S. Froelich (FR)

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).



AMERICAN COLLEGE OF SURGEONS • DIVISION OF EDUCATION
ACCREDITED EDUCATION INSTITUTES
 ENHANCING PATIENT SAFETY THROUGH SIMULATION
 ACCREDITED EDUCATION INSTITUTE

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 on radiation therapy planning

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

Monday, January 20th, 2025

MORNING

07.40 am Registration

07.55 am Welcome- Introduction

S. Froelich

THEORETICAL SESSION – RADIOSURGERY SESSION

08.00 am Radiation therapy in skull base surgery:

M. McDermott

- Point of view of a skull base surgeon
- Potential and concerns

08:30 am Fundamentals of a radiosurgery procedure

F. Nataf

09.00 am Coffee break

09.15 am Radiosurgery for vestibular schwannomas

P. Picozzi

09.40 am Radiosurgery for skull base meningiomas

M. Mcdermott

10.05 am Radiosurgery for pituitary adenomas

A. Santacroce

10.30 am Coffee break

11.00 am Radiosurgical options for large lesions

P. Picozzi

11.20 am Complications and failure

A. Santacroce

12.00 am Introduction to the hands-on session

F. Nataf

Presentation of the treatment planning system

12.20 pm Lunch at the Institute

AFTERNOON

PRACTICAL SESSION ON TREATMENT PLANNING STATIONS:

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

06.00 pm End of day session

Evening free

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

Tuesday, January 21st, 2025

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 *F. Zenga*

08.25 am Peeling the lateral wall and cavernous sinus exposure *K. Watanabe*

08.45 am Cavernous sinus meningiomas: What is best for the patient? *C. Sen*

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

AFTERNOON

GUEST SPEAKER LECTURE

01.45 pm Neuro monitoring in skull base surgery *F.Sala*

THEORETICAL SESSION SUBTEMPORAL CORRIDOR

02.15 pm Anterior petrosal approach *S. Froelich*

02.35 pm Surgical strategies for Trigeminal schwannomas *E. Vellutini*

03.00 pm Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY:

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

07.00 pm End of day session

07.15 pm Cheese and Wine cocktail at IRCAD

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

Wednesday, January 22nd, 2025

MORNING

07.30 am Evaluation of the previous day

THEORETICAL SESSION

RETROSIGMOID, TRANSLABYRINTHINE, POSTERIOR PETROSAL APPROACHES

07.45 am Retrosigmoid approach *S. Froelich*

08.05 am Translabyrinthine approach *I. Djennaoui*

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

LESSON FROM THE MASTERS LECTURE

08.45 am Vestibular Schwannoma *E. Vellutini*

09.15 am Coffee Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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

AFTERNOON

THEORETICAL SESSION POSTEROLATERAL CORRIDOR

01.45 pm	Far lateral approach	A. Fava
02.05 pm	Anterolateral approach	S. Froelich

LESSON FROM THE MASTERS LECTURE

02.25 am	Surgical strategies for Jugular foramen tumors	C. Sen
03.00 am	Coffee Break	

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

03.30 pm	<u>Steps of the dissection</u> Left side of the specimen <ol style="list-style-type: none">1. Far lateral approach – midline hockey stick incision2. Closure at the end of the dissection
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Break and repositioning of the specimen

Right side of the specimen

3. Anterolateral approach
4. Opening 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, January 23rd, 2025

MORNING

07.30 am Evaluation of the previous day

THEORETICAL SESSION

KEYHOLE & TRANSORBITAL APPROACHES

07.45 am Subfrontal keyhole approach *E. Jouanneau*

08.05 am Transorbital approach *A. Di Somma*
• Indications and techniques

08.35 am Eyebrow transorbital approach *S. Froelich*

LESSON FROM THE MASTERS LECTURE

08.50 am Surgical strategies for clinoidal meningiomas *K. Watanabe*

09.20 am Coffee Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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

AFTERNOON

BERNARD GEORGES LECTURE

01.30 pm Management of venous problems in skull base surgery C. Sen

THEORETICAL SESSION

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

02.00 pm Endoscopic endonasal approach for pituitary adenomas A. Baussart

02.20 pm Transtuberculum approach for craniopharyngiomas L. Cavallo

02.40 pm Endoscopic endonasal approach to the clivus M. Guk

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, January 24th, 2025

MORNING

07.30 am Evaluation of the previous day

THEORETICAL SESSION

ENDOSCOPIC ENDONASAL APPROACH: PLANUM – TUBERCULUM, CLIVUS AND CCJ

07.45 am Ethmoidectomy, transmaxillary and transpterygoid approach *I. Djennaoui*

08.05 am Endoscopic endonasal approach to the cavernous sinus *E. Jouanneau*

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

08.45 am Coffee Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

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

AFTERNOON

FRED GENTILI LECTURE

12.45 pm Present and future of endoscopic skull base surgery *L. Cavallo*

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

01.15 pm Endoscopic endonasal approach to the cranio-cervical junction *F. Zenga*

01.55 pm Closure techniques for EEA *E. Vellutini*

02.15 pm Break

PRACTICAL SESSION IN EXPERIMENTAL LABORATORY

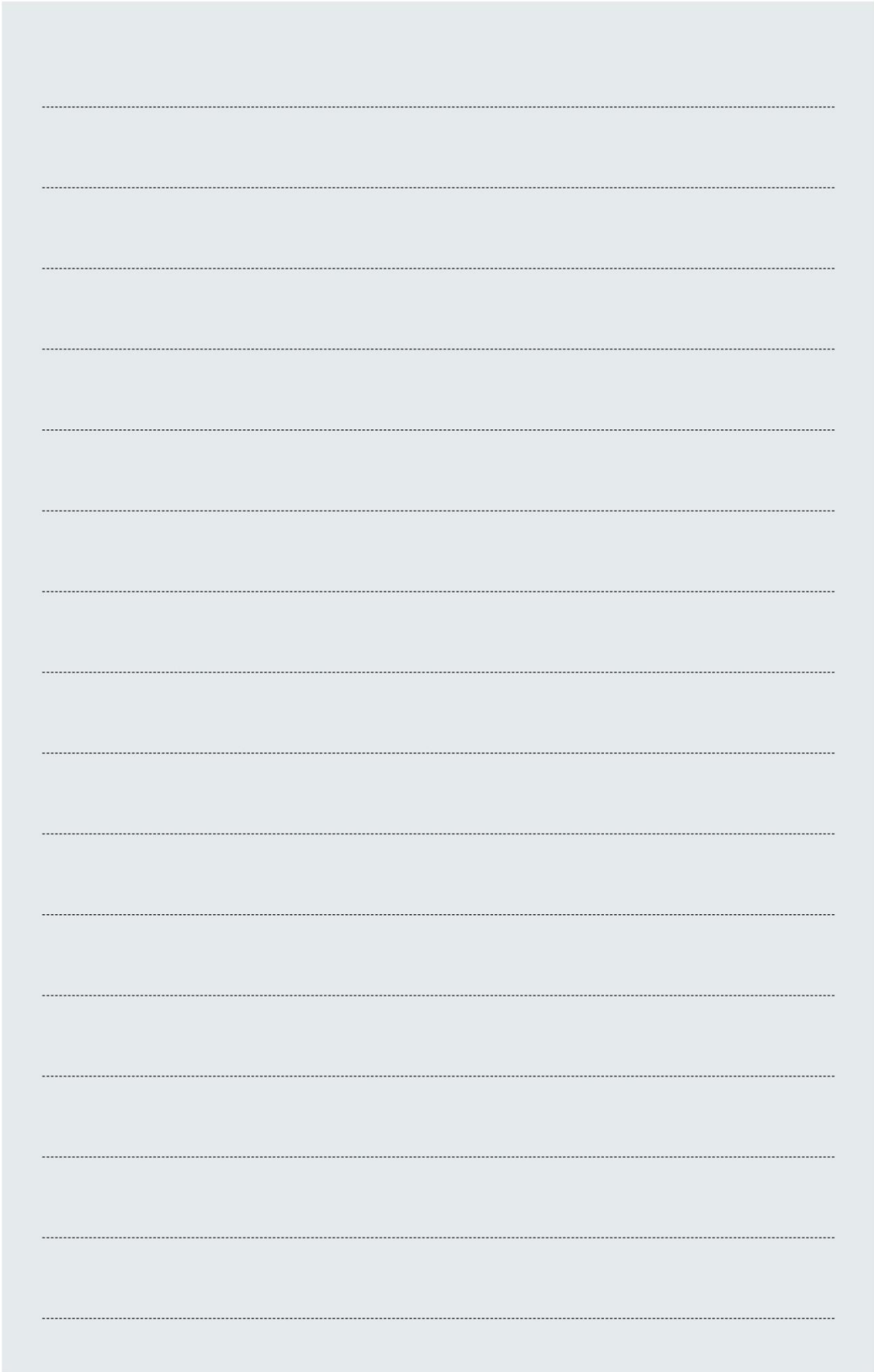
02.20 pm Steps of the dissection
Approach of the CCJ

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

06.00 pm End of course
Delivery of certificates of attendance

**SKULL BASE COURSE 360°:
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NOTE PAD

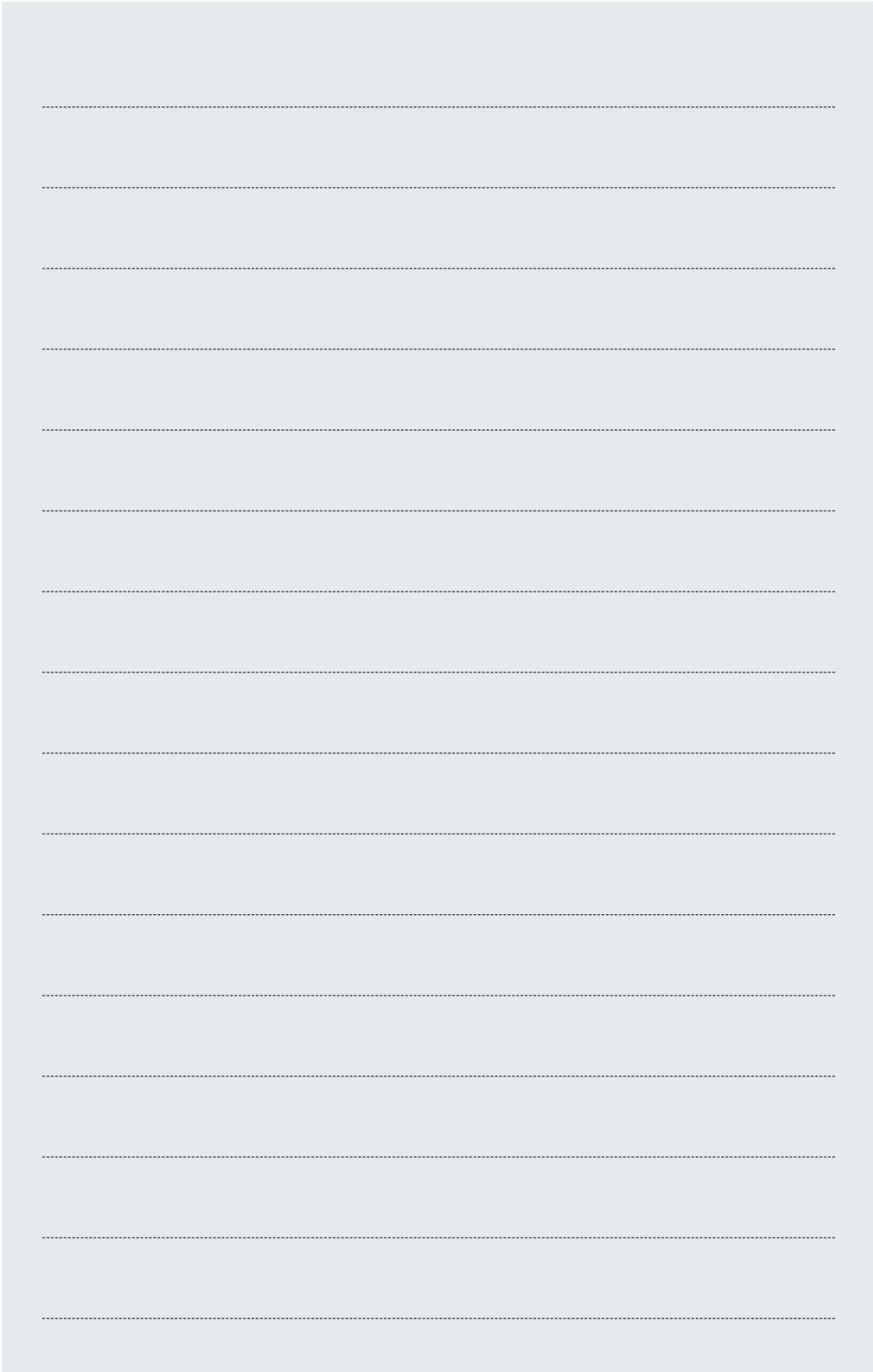
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NOTE PAD

A large rectangular area with 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.

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