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International
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- International Federation of NeuroEndoscopy (IFNE)
- Società Italiana di Neurochirurgia (SINCH)
- Japanese Society for NeuroEndoscopy (JSNE)
- Grupo Latinoamericano de Estudios en Neuroendoscopia (GLEN)
- Neuroendoscopy Society-India (NESI)
- World Federation of Neurosurgical Societies - Neuroendoscopy Committee (WFNS)
- British Neuroendoscopy Society (BNES)
- Chinese Society for NeuroEndoscopy (CSNE)

In collaboration with



Antonio Cardarelli
AZIENDA OSPEDALIERA DI RILIEVO NAZIONALE



IFNE-JSNE-GLEN-NESI-CSNE

Hands-on Workshop on

CEREBRAL, VENTRICULAR, SKULL BASE AND SPINE NEUROENDOSCOPY

Naples, Italy
February 3-7, 2025

Workshop Venue

Centro di Biotecnologie - A.O.R.N. "Antonio Cardarelli"

PROGRAM



Co-funded by
the European Union

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of Neuroendoscopy

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world congress of neuroendoscopy

14 - 17
SEPTEMBER
2025

GRAZ, AUSTRIA



IFNE Administrative Secretariat &
Congress Organizing Bureau
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Mobile application

Scan the below QR code using your Android or iOS device. Download the application. When you are prompted for a code upon launching the App, insert **ifnew2025**.

The App may be used without logging in. If you do decide to log in, you will be able to use some additional features, such as messaging other attendees (having consent to) and your personalized agenda.

In order to log in, tap the **Log In** icon and insert your email address and the **4-digit PIN** that you can see on your badge.





Welcome Message

Dear friends and colleagues,
We hope that you are all in good health and good spirits.

The 2025 IFNE- JSNE- GLEN- NESI-CSNE Hands-on Workshop on Cerebral, Ventricular, Skull Base and Spine Neuroendoscopy will be held in Naples-Italy from 3 to 7 February 2025.

For another year, we have the implicit support of Japanese Society of Neuroendoscopy (JSNE), Grupo Latinoamericano de Estudios en Neuroendoscopia (GLEN), Neuroendoscopy Society-India (NESI), Chinese Society for Neuroendoscopy (CSNE), Societa Italiana Neurochirurgia (SINCH), This year we will have the honour to host a joint workshop with a delegation of the British Neuro Endoscopy Society (BNES). A special thanks goes to Centro di Biotecnologie A.O.R.N. "Antonio Cardarelli" that will help the realization of our event for another year. Thanks to extensive works of enlargement of working surfaces in the hands-on area, we will be able to offer excellent social distancing during hands-on still maintaining a good number of trainees (44) for 22 working stations.

As usual, enthusiastic faculty participation will allow the excellent Tutor/Trainees ratio of 1x2 confirming the presence of a world expert at each hands-on workstation for two trainees. This year, the Scientific Program will bring a rich assortment of lectures, video presentations, live demonstrations on anatomical models and dissection videos. You will find educational sessions exploring ventricular endoscopy, cerebral endoscopy and skull base endoscopy delivered by world-renowned international faculty. This year endoscopic repair of craniosynostosis will be performed on very highly realistic anatomical models of Scaphocephaly, Trigenocephaly and Plagiocephaly offered by Upsurgeon.com. Thanks to the contribution of the Japanese Society, this year very dynamic and realistic models of Internal Carotid artery rupture and bleeding aneurysm will be available, with an affordable additional cost, in order to train how to deal with serious intraoperative complications under exoscopic and endoscopic control. Our workshop welcomes senior, students and recent graduate neurosurgeons who practice or want to practice neuroendoscopic surgery. Between each session, participants will have the opportunity to network and connect with other scientists from all over the world.

For the first time, this year we have introduced also an additional workshop on Spine Endoscopy, that will allow the trainee to get familiar with the monoportal and biportal surgical techniques for disc herniation and spinal canal decompression.

The transfer of knowledge knows no boundaries and throughout this evolving situation, we are here with the goal of making learning more accessible and inspire interaction. Your active participation will undoubtedly contribute to a successful and productive meeting.

With warm regards,

Prof. Giuseppe Cinalli

Chair of the Organizing Committee

Prof. Luigi Maria Cavallo

Co-Chair of the Organizing Committee

Prof. Alvaro Cordoba

IFNE President 2023-2025

Organization

Organized by:



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Antonio Cardarelli
AZIENDA OSPEDALIERA DI RILIEVO NAZIONALE

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Under the patronage of:



Japanese Society for
Neuroendoscopy (JSNE)



Chinese Society for Neuroendoscopy
(CSNE)



Grupo Latinoamericano de
Estudios en Neuroendoscopia
(GLEN)



World Federation of Neurosurgical
Societies (WFNS)
Neuroendoscopy Committee



Neuroendoscopy Society - India
(NESI)



Società Italiana di Neurochirurgia
(SINCh)



British Neuroendoscopy Society
(BNES)

Local Organizing Committee

Chair: **Giuseppe Cinalli**

Co-Chair: **Luigi Maria Cavallo**



Co-funded by
the European Union

Funding: This project was funded by the European Union, Project Number PNRR-MR1-2022-12376512, with the title "Biobank for Craniosynostosis and Faciocraniosynostosis: a rare pediatric congenital craniofacial disorder" funded by Unione europea—NextGenerationEU within the Program "PNRR Mission 6/Component 2/Investment: 2.1 "Rafforzamento e potenziamento della ricerca biomedica del SSN"—CUP: H63C22000470006.



Invited Faculty

- Waleed Azab**, *Kuwait*
Paola Bonavolontà, *Italy*
Michael Bruneau, *Belgium*
Adrian Caceres, *Costa Rica*
Luigi Maria Cavallo, *Italy*
Paul Chumas, *United Kingdom*
Giuseppe Cinalli, *Italy*
Alvaro Cordoba, *Uruguay*
Joseph Cristini, *France*
Artur da Cunha, *Brazil*
Domenico D'Avella, *Italy*
Mateo Gabriele de Notaris, *Italy*
Giovanni Dell'Aversana Orabona, *Italy*
Federico di Rocco, *Italy*
Mohamed el Beltagy, *Egypt*
Ehab Elrefae, *Germany*
Ramin Eskandari, *United States*
Felice Esposito, *Italy*
Andrea Fanti, *Italy*
Alberto Feletti, *Italy*
Sebastien Froelich, *France*
Carl Hans Fürstenberg, *Germany*
Flavio Giordano, *Italy*
Carlo Giussani, *Italy*
Sergey Gorelyshev, *Russia*
Takeo Goto, *Japan*
Raphael Guzman, *Switzerland*
Tenoch Herrada-Pineda, *Mexico*
José Hinojosa, *Spain*
Corrado Iaccarino, *Italy*
Maurizio Iacoangeli, *Italy*
Sebastian Jaimovich, *Argentina*
Emmanuel Jouanneau, *France*
Sandi Lam, *United States*
François Lechanoine, *Italy*
Guillaume Lonjon, *France*
- Dimitrios Marinopoulos**, *Greece*
Diego Mazzatenta, *Italy*
Torstein Meling, *Norway*
Giuseppe Minniti, *Italy*
Giuseppe Mirone, *Italy*
Tomoru Miwa, *Japan*
Hisayuki Murai, *Japan*
Esperanza Arcas Navarrete, *Spain*
Kenichi Nishiyama, *Japan*
Joachim Oertel, *Germany*
Nicola Onorini, *Italy*
Memet Özek, *Turkey*
Llewellyn Padayachy, *South Africa*
Benedetta Pettorini, *United Kingdom*
Emidio Procaccini, *Italy*
Antonio Romano, *Italy*
Jonathan Roth, *Israel*
Cristina Ruiz-Juretschke, *Spain*
Ricardo Santos de Oliveira, *Brazil*
Claudio Schonauer, *Italy*
Sebastian Senger, *Germany*
Wan Tew Seow, *Singapore*
Spyros Sgouros, *Greece*
Francesco Signorelli, *Bari*
Domenico Solari, *Italy*
Pietro Spennato, *Italy*
Albert Sufianov, *Russia*
Kazuhiro Takeuchi, *Japan*
Gianpiero Tamburrini, *Italy*
Ulrich-Wilhelm Thomale, *Germany*
Nick Thomas, *United Kingdom*
Giovanni Tringali, *Italy*
Stefan Wolfsberger, *Austria*
Bassel Zebian, *United Kingdom*
Francesco Zenga, *Italy*
Peng Zhao, *China*

General Information

Venue

Centro di Biotecnologie - A.O.R.N. "Antonio Cardarelli"

9, Via Antonio Cardarelli, 80131 Naples, Italy

T./F. +39 081 7473433/-2037/-2158/-3526

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Compliance

The IFNE- JSNE- GLEN- NESI-CSNE Hands-on Workshop on Cerebral, Ventricular, Skull Base and Spine Neuroendoscopy, Naples, Italy, 3-7 February 2025 has been compliant with the MedTech Europe Code of Ethical Business Practice.

Name Badges

Registration badges will be used during the Workshop. Participants will receive their badges upon check-in at the Registration Desk. For identification purposes and admission to session halls, participants are requested to wear their badges at all times. Admission to Workshop areas will not be allowed without badge identification.

Important note: In order to obtain CME credits, delegates are requested to check-in at the Workshop Secretariat.

Accreditation



The IFNE-JSNE-GLEN-NESI-CSNE Hands-on Workshop on CEREBRAL, VENTRICULAR AND SKULL BASE NEUROENDOSCOPY - Basic Techniques, Naples, Italy 03/02/2025 - 5/02/2025 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 24.0 European CME credits (ECMEC®s).

The IFNE-JSNE-GLEN-NESI-CSNE Hands-on Workshop on CEREBRAL, VENTRICULAR AND SKULL BASE NEUROENDOSCOPY - Advanced Skull Base, Naples, Italy 06/02/2025 - 07/02/2025, has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 15.5 European CME credits (ECMEC®s).

The IFNE-JSNE-GLEN-NESI-CSNE Hands-on Workshop on CEREBRAL, VENTRICULAR, SKULL BASE AND SPINE NEUROENDOSCOPY - Spine, Naples, Italy 06/02/2025 - 07/02/2025, has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 11.5 European CME credits (ECMEC®s).

Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity. Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at <https://edhub.ama-assn.org/pages/applications>. Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.



General Information

Official Language

The official language of the Workshop is English. No simultaneous interpretation will be provided

Certificate of Attendance

All registered delegates having attended the Workshop will receive an electronic Certificate of Attendance by e-mail.

Coffee and Lunch Breaks

Coffee and Lunch Breaks will be served in the designated venue areas according to the Workshop schedule.

Insurance

Neither the Organizing Committee nor the Workshop Secretariat accepts any liability for damages and/or loss of any kind which may incur to Workshop participants throughout Workshop dates. Participation is at one's own risk. Participants are advised to take out insurance against losses, accidents or damage that could be incurred during the Workshop. Verbal agreements will not be binding unless confirmed in written.

Internet access

Wireless internet connection is available in all Workshop areas.

Photography, Filming and Video Recordings

Please note, by registering for the workshop, you agree to your image and personal information being passed to the Organizing Secretariat and being used in materials, either online or in hard copy, for publicity and promotional purposes.

On-site Secretariat Desk

The Secretariat Desk will be operating at the venue during Workshop dates as follows:

Monday, February 3, 2025	07:30-18:30
Tuesday, February 4, 2025	07:30-18:30
Wednesday, February 5, 2025	07:30-18:30
Thursday, February 6, 2025	07:30-17:30
Friday, February 7, 2025	08:00-17:30

IFNE Administrative Secretariat & Workshop Organizing Bureau



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PROGRAM OVERVIEW



CEREBRAL AND VENTRICULAR NEUROENDOSCOPY

Monday • February 3, 2025 / Endoscopic 3 rd , ventriculostomy and septostomy			BASIC TECHNIQUES
Time	Main Hall	Rooms 1-2-3-4	
08:00-10:20	SESSION 1: Instruments - Anatomy - Applied technologies (available during hands-on)		
10:20-11:20	SESSION 2: ETV		
11:20-11:50	Coffee Break		
11:50-13:00		Hands-on Anatomical and Animal models	
13:00-14:00	Lunch Break		
14:00-16:30		Hands-on Anatomical and Animal models	
16:30-16:45	Coffee Break		
16:45-17:40	SESSION 3: ETV & Septostomy		
17:40-18:30	SESSION 4: Clinical Cases ETV & Septostomy		

Tuesday • February 4, 2025 / Complex hydrocephalus			ADVANCED TECHNIQUES
Time	Main Hall	Rooms 1-2-3-4	
08:00-10:15	SESSION 5: Complex Hydrocephalus		
10:15-11:30	SESSION 6: Arachnoid cysts		
11:30-11:50	Coffee Break		
11:50-13:00		Hands-on Anatomical and Animal models	
13:00-14:00	Lunch Break		
14:00-16:30		Hands-on Anatomical and Animal models	
16:30-16:45	Coffee Break		
16:45-18:15	SESSION 7: Clinical Cases: Complex Hydrocephalus and Arachnoid Cysts & Video Session		

Wednesday • February 5, 2025			ADVANCED TECHNIQUES
Time	Main Hall	Rooms 1-2-3-4	
08:00-09:20	SESSION 8: Different indications		
09:20-10:30	SESSION 9: Endoscopy in tumor management		
10:30-11:40	SESSION 10: Craniopharyngiomas - Miscellaneous		
11:40-12:00	Coffee Break		
12:00-13:00		Hands-on Anatomical and Animal models	
13:00-14:00	Lunch Break		
14:00-16:30		Hands-on Anatomical and Animal models	
16:30-16:45	Coffee Break		
16:45-18:15	SESSION 11: Clinical Cases: Endoscopic Tumor Surgery & Video Session		



Thursday • February 6, 2025 Endoscopic Approaches to Sellar region and cavernous sinus

Time	Main Hall	Rooms 1-2-3-4
08:00-08:15	Welcome and event presentation	
08:15-10:15	SESSION 12: Endoscopic Endonasal approach to Sellar Region and Cavernous Sinus	
10:15-10:30	Coffee Break	
10:30-13:30		Hands-on Cadaveric Specimens
13:30-14:00	Lunch Break	
14:00-16:15		Hands-on Cadaveric Specimens
16:15-16:30	Coffee Break	
16:30-17:30	SESSION 13: Advanced Endoscopic approaches to Skull base	

Friday • February 7, 2025 Extended Endoscopic Approaches and trans-orbital approaches

Time	Main Hall	Rooms 1-2-3-4
08:30-10:15	SESSION 14: Miscellaneous	
10:15-10:30	Coffee Break	
10:30-13:30		Hands-on Cadaveric Specimens
13:30-14:00	Lunch Break	
14:00-16:15		Hands-on Cadaveric Specimens
16:15-16:30	Coffee Break	
16:30-17:25	SESSION 15: Video & Clinical cases	
17:30	Adjourn	

ADVANCED SKULLBASE SEGMENT

Thursday • February 6, 2025

Time	Room M1	Rooms 5-6
08:00-10:00	SESSION Introduction and Lumbar Disc Herniation	
10:00-10:30	Coffee Break	
10:30-13:30		Hands-On Lumbar Disc Herniation
13:30-14:30	Globus Medical Lunch Symposium: A technology ecosystem to change the way surgery is done	
14:30-15:30	SESSION Lumbar Canal Stenosis and Foraminal Stenosis	
15:30-17:30		Hands-on Lumbar Lumbar Canal Stenosis

Friday • February 7, 2025

Time	Room M1	Rooms 5-6
08:30-10:00	SESSION Advanced Indications	
10:00-10:30	Coffee Break	
10:30-13:30		SESSION Hands-On "CHOOSE YOUR APPROACH": Cervical Foraminotomy, Microdiscectomy and Laminectomy

SPINE SEGMENT

Detailed Scientific Program

BASIC TECHNIQUES

Monday • February 3, 2025 / Endoscopic 3rd ventriculostomy and septostomy

08:00-10:10 **SESSION 1: Instruments – Anatomy – Applied technologies** Main Hall

(available during hands-on)

Chairpersons: **Giuseppe Cinalli, Wan Tew Seow**

08:00-08:05 **Domenico d'Avella:** *Welcome from the President of the SINCH*

08:05-08:15 **Giuseppe Cinalli:** *Organisation and objectives of the course*

08:15-08:25 **Nicola Onorini:** *Endoscope: basic principles and instrumentation*

08:25-08:35 **Claudio Schonauer:** *Endoscopic anatomy of the ventricles*

08:40-08:50 **Corrado Iaccarino:** *Neuronavigation and Neuroendoscopy*

08:55-09:15 **Bassel Zebian:** *Ultrasonic aspirator in Neuroendoscopy*

09:10-09:20 **Carlo Giussani:** *3D EXoscopy*

09:25-09:35 **Emidio Procaccini:** *Robot assisted Neuroendoscopy*

09:40-09:50 **Giuseppe Mirone:** *Stealth Autoguide Robotic system*

09:55-10:05 **Giovanni Tringali:** *Stealth Autoguide adaptation to Endoscopy*

10:10-11:20 **SESSION 2: ETV** Main Hall

Chairperson: **Sergey Gorelyshev**

10:10-10:30 **Adrian Caceres:** *Preop evaluation of aqueductal stenosis and indications to ETV*

10:35-10:45 **Esperanza Arcas Navarrete:** *ETV: Surgical technique*

10:50-11:00 **Stefan Wolfsberger:** *Complications avoidance in ETV and Neuroendoscopy*

11:20-11:50 Coffee Break

11:50-13:00 **Hands on-Anatomical and Animal models** Rooms 1-2-3-4

13:00-14:00 Lunch Break

14:00-16:30 **Hands on-Anatomical and Animal models** Rooms 1-2-3-4

16:30-16:45 Coffee Break

16:45-17:30 **SESSION 3 ETV & SEPTOSTOMY** Main Hall

Chairperson: **Adrian Caceres**

16:45-16:55 **Paul Chumas:** *ETV: long-term results*

17:00-17:10 **Llewellyn Padayachy:** *ETV + CPC*

17:15-17:35 **Adrian Caceres:** *Septostomy: indications and surgical technique*

17:40-18:30 **SESSION 4: CLINICAL CASES | ETV & Septostomy** Main Hall

Instructors: **Adrian Caceres, Bassel Zebian, Ricardo Santos de Oliveira**

Each instructor presents 3 cases and is allotted 15'.

CEREBRAL AND VENTRICULAR NEUROENDOSCOPY

ADVANCED TECHNIQUES

Tuesday • February 4, 2025 / **Complex hydrocephalus**

08:00-10:15	SESSION 5: Complex Hydrocephalus Chairperson: Memet Özek	Main Hall
08:00-08:10	Gianpiero Tamburrini: <i>Multiloculated hydrocephalus: classification / radiology/surgical techniques</i>	
08:15-08:25	Sebastian Jaimovich: <i>ETV and Myelomeningocele</i>	
08:30-08:40	Ricardo Santos de Oliveira: <i>ETV and shunt malfunction</i>	
08:45-08:55	Sebastian Senger: <i>Aspiration of cerebral parenchymal hematomas using the Penumbra system</i>	
09:00-09:10	Ulrich-Wilhelm Thomale: <i>Ventricular washing in PHH in prematures</i>	
09:15-09:25	Artur da Cunha: <i>Choroid plexus coagulation: indications, technique, results</i>	
09:30-09:40	Tenoch Herrada-Pineda: <i>Neurocysticercosis</i>	
09:45-09:55	Ricardo Santos de Oliveira: <i>Endoscopic treatment of brain abscess and ventriculitis</i>	
10:00-10:10	Federico di Rocco: <i>ETV and posterior fossa tumors</i>	
10:15-11:30	SESSION 6: Arachnoid cysts Chairperson: Adrian Caceres	Main Hall
10:15-10:25	François Lechanoine: <i>Arachnoid cysts: classification and radiology</i>	
10:30-10:40	Flavio Giordano: <i>Sylvian cysts: endoscopic surgical technique</i>	
10:45-10:55	Memet Özek: <i>Suprasellar cysts: endoscopic surgical technique</i>	
11:00-11:10	Sebastian Jaimovich: <i>Interhemispheric cysts: endoscopic surgical technique</i>	
11:15-11:25	Jonathan Roth: <i>Posterior fossa cysts: endoscopic surgical technique</i>	
11:30-11:50	Coffee Break	
11:50-13:00	Hands on-Anatomical and Animal models	Rooms 1-2-3-4
13:00-14:00	Lunch Break	
14:00-16:30	Hands on-Anatomical and Animal models	Rooms 1-2-3-4
16:30-16:45	Coffee Break	
16:45-18:15	SESSION 7: CLINICAL CASES Complex Hydrocephalus and Arachnoid Cysts Chairperson: Jonathan Roth Instructors: Memet Özek, Wan Tew Seow, Ricardo Santos de Oliveira Each instructor presents 3 cases and is allotted 15'.	Main Hall
17:30-18:15	VIDEO SESSION Complex hydrocephalus Chairperson: Gianpiero Tamburrini Instructors: Mohamed el Beltagy, Sebastian Jaimovich, Artur da Cunha Each instructor presents 3 videos and is allotted 15'.	

CEREBRAL AND VENTRICULAR NEUROENDOSCOPY

ADVANCED TECHNIQUES

Wednesday • February 5, 2025

08:00–09:20	SESSION 8: Different indications Chairperson: Alvaro Cordoba 08:00–08:10 Hisayuki Murai: <i>Endoscopy in parenchymal haemorrhage</i> 08:15–08:25 Alberto Feletti: <i>Endoscopy in intraventricular haemorrhage</i> 08:30–08:40 Alvaro Cordoba: <i>Endoscope-assisted microsurgery in brain tumors</i> 08:45–08:55 Joachim Oertel: <i>Endoscope-assisted microsurgery in vascular surgery</i> 08:55–09:05 Sandi Lam: <i>Endoscopic callosotomy and hemispherotomy</i> 09:05–09:15 José Hinojosa: <i>Endoscopic repair of craniosynostosis</i>	Main Hall
09:20–10:30	SESSION 9: Endoscopy in tumor management Chairperson: Henry Schroeder 09:20–09:30 Mohamed el Beltagy: <i>Role of Endoscopy in Infantile and Pediatric brain tumors</i> 09:35–09:45 Kenichi Nishiyama: <i>ETV in pineal tumors: indications, technique</i> 09:50–10:00 Miwa Tomoru: <i>Tumor biopsy / removal: surgical technique</i> 10:05–10:15 Piero Spennato: <i>Tumor biopsy with normal ventricles</i> 10:20–10:30 Sergey Gorelyshev: <i>Endoscope-assisted microsurgery in craniopharyngiomas and suprasellar lesions</i>	Main Hall
10:30–11:40	SESSION 10: Craniopharyngiomas – Miscellaneous Chairperson: Sandi Lam 10:30–10:40 Benedetta Pettorini: <i>Craniopharyngiomas: ventricular approach</i> 10:45–10:55 Albert Sufianov: <i>Colloid cyst</i> 11:00–11:10 Ehab Elrefaee: <i>Dryfield technique in intraventricular surgery</i> 11:15–11:25 Kazuhito Takeuchi: <i>Cylinder tumor surgery</i> 11:30–11:40 Joachim Oertel: <i>Endoscopic Eyebrow approach</i> 11:40–12:00 Coffee Break	Main Hall
12:00–13:00	Hands on–Anatomical and Animal models	Rooms 1–2–3–4
13:00–14:00	Lunch Break	
14:00–16:30	Hands on–Anatomical and Animal models	Rooms 1–2–3–4
16:30–16:45	Coffee Break	
16:45–18:15	SESSION 11: CLINICAL CASES Endoscopic Tumor Surgery & Video Session Chairperson: Spyros Sgouros 16:45–17:25 Peng Zhao: <i>Endoport technique in Intraventricular tumor</i> (video presentation) 17:30–18:15 VIDEO SESSION Endoscopic Tumor Surgery Instructors: Sandi Lam, Pietro Spennato, Sergey Gorelyshev Each instructor presents 3 videos and is allotted 15'.	Main Hall

Thursday • February 6, 2025

Endoscopic Approaches to Sellar and Parasellar regions

08:00-08:15	Welcome and event presentation Luigi Maria Cavallo, Giuseppe Cinalli	Main Hall
08:15-10:15	SESSION 12: Endoscopic Endonasal approach to Sellar Region and Cavernous Sinus Chairperson: Waleed Azab	Main Hall
08:15-08:25	Nick Thomas: <i>Endonasal approach for pituitary adenomas</i>	
08:30-08:40	Domenico Solari: <i>Endonasal approach for craniopharyngiomas</i>	
08:45-08:55	Raphael Guzman: <i>Surgical approaches for cystic craniopharyngiomas</i>	
09:00-09:10	Diego Mazzatenta: <i>Endonasal approach to Cavernous Sinus</i>	
09:15-09:25	Waleed Azab: <i>Endonasal approach for rare sellar lesions</i>	
09:30-09:40	Francesco Zenga: <i>Adjunctive tools to endonasal skull base surgery</i>	
09:45-09:55	Kazuhiro Takeuchi: <i>ICA injury model in transsphenoidal surgery</i>	
10:00-10:15	<i>Discussion</i>	
10:15-10:30	Coffee Break	
10:30-13:00	Hands-on Cadaveric Specimens	Rooms 1-2-3-4
13:00-14:00	Lunch Break	
14:00-16:00	Hands-on	Rooms 1-2-3-4
16:00-16:15	Coffee break	
16:15-17:15	SESSION 13: Advanced Endoscopic approaches to Skull base Chairperson: Michael Brunëau	Main Hall
16:15-16:25	Torstein Meling: <i>Evolution of skull base surgery</i>	
16:30-16:40	Luigi Maria Cavallo: <i>Endonasal approaches for ASB meningiomas</i>	
16:45-16:55	Michael Bruneau: <i>Minimally invasive approaches for ACF meningiomas</i>	
17:00-17:10	Emmanuel Jouanneau: <i>Transcranial and endonasal route for Trigeminal Schwannomas</i>	
17:15-17:25	Francesco Signorelli: <i>The endoscope assisted posterior fossa surgery</i>	
17:30-17:40	Yazhuo Zhang: <i>Endonasal approaches for clival chordomas</i>	
17:45-18:00	<i>Discussion</i>	

ADVANCED SKULLBASE SEGMENT

Friday • February 7, 2024

Endoscopic and Exoscopic Approaches to the skull base

08:30-10:15 **SESSION 14 (part A): Endoscopic and Exoscopic Approaches to the skull base** **Main Hall**

Chairperson: **Luigi Maria Cavallo**

08:30-08:40 **Takeo Goto:** *Endoscopic transcranial approaches*

08:45-08:55 **Sebastien Froelich:** *Endoscope assisted surgery for Chordomas and Chondrosarcomas*

09:00-09:10 **Maurizio Iacoangeli:** *Endoscopic approach to the CVJ*

09:15-09:25 **Ramin Eskandari:** *Neurosurgical Robotic Exoscope Use for Microsurgical Cranial Approaches - 5 year Institutional Experience*

09:30-09:40 **Matteo de Notaris:** *Transorbital eyelid approach. Anatomy*

09:45-09:55 **Doo-Sik Kong:** *Extended endoscopic transorbital surgery*

10:00-10:10 **Paola Bonavolontà, Antonio Romano & Giovanni Dell'Aversana Orabona:** *Endonasal & Transorbital complementarity*

10:15-10:30 Coffee Break

10:30-13:00 **Hands-on** **Rooms 1-2-3-4**

13:00-14:00 Lunch Break

14:00-16:00 **Hands-on** **Rooms 1-2-3-4**

16:00-16:15 Coffee Break

16:15-18:00 **SESSION 14 (part B): Endoscopic and Exoscopic Approaches to the skull base** **Main Hall**

Chairperson: **Takeo Goto**

16:15-16:25 **Felice Esposito:** *Tips and tricks for skull base reconstruction*

16:30-16:45 **Giuseppe Minniti:** *Radiotherapy for skull base tumors*

16:50-18:00 **Video Session:** **Waleed Azab, Takeo Goto, Songbai Gui, Matteo de Notaris**

Thursday • February 6, 2025

08:00-10:00		Room M1
08:00-08:30	<i>Welcoming of Participants</i>	
08:30-08:40	<i>Presentation of the course</i>	
08:40-08:50	Bassel Zebian: <i>From Brain to Spine Neuroendoscopy: UBE for the beginner by a beginner</i>	
08:50-09:00	Marco Baldassa: <i>Monoportals Endoscopy: Basic Concepts, Overview and Learning Curve</i>	
09:00-09:10	François Lechanoine: <i>Biportal Endoscopy: Basic Concepts, Overview and Learning Curve</i>	
09:10-09:20	Gabriele Capo: <i>Surgical Setup and equipment for Biportal Endoscopy</i>	
09:20-09:30	Andrea Fantì: <i>Surgical Setup and equipment for Monoportals Endoscopy</i>	
09:30-09:40	Carl Hans Fürstenberg: <i>Monoportals Transforaminal Discectomy: How I Do It</i>	
09:40-09:50	Rachid Saddiki: <i>Monoportals Interlaminar Discectomy: How I do it</i>	
09:50-10:00	Joseph Cristini: <i>Biportal Interlaminar Discectomy: How I Do It</i>	
10:00-10:30	Coffee break	

10:30-13:30		Rooms 5-6
	Group A (6 trainees on 3 UpSurgeOn models)	
10:30-11:30	<i>Biportal Interlaminar Discectomy</i>	
11:30-12:30	<i>Monoportals Transforaminal Discectomy</i>	
12:20-13:30	<i>Biportal Extraforaminal Discectomy</i>	
(10:30-13:30)	<i>Biportal Virtual Reality on UBE XR Simulator (6 trainees: 30 min by trainee)</i>	
	Group B (6 trainees on 3 UpSurgeOn models)	
10:30-11:30	<i>Monoportals Transforaminal Discectomy</i>	
11:30-12:30	<i>Biportal Interlaminar Discectomy</i>	
12:30-13:30	<i>Monoportals Interlaminar Discectomy</i>	
13:30-14:30	GLOBUS MEDICAL LUNCH SYMPOSIUM: A technology ecosystem to change the way surgery is done Andrea Barba	

14:30-16:30		Rooms 5-6
	Group A (6 trainees on 3 UpSurgeOn models)	
14.30-15.30	<i>Monoportals Interlaminar Discectomy</i>	
15.30-16.30	<i>Biportal over-the-top laminectomy</i>	
	Group B (6 trainees on 3 UpSurgeOn models)	
14.30-15.30	<i>Biportal Extraforaminal Discectomy</i>	
15.30-16.30	<i>Monoportals over-the-top laminectomy</i>	
(14.30-16.30)	<i>Biportal Virtual Reality on UBE XR Simulator (4 trainees: 30 min by trainee)</i>	
16:30-17:00	Coffee break	

SPINE SEGMENT

Thursday • February 6, 2025

17:00-18:00	SESSION Lumbar Canal Stenosis and Foraminal Stenosis	Room M1
17:00-17:10	<i>Debriefing of the Hands-On sessions, questions</i>	
17:10-17:20	Andrea Fanti: <i>Monoportall Transforaminal Anatomy</i>	
17:20-17:30	Eduardo Moreira Pinto: <i>Biportal extraforaminal approach for foraminotomy or discectomy: How I Do It</i>	
17:30-17:40	Cristina Ruiz-Juretschke: <i>Monoportall interlaminar approach for over-the-top laminectomy: How I Do It</i>	
17:40-17:50	Dimitrios Marinopoulos: <i>Biportal interlaminar approach for over-the-top laminectomy: How I Do It</i>	
17:50-18:00	Guillaume Lonjon: <i>Over-the-top laminectomy: Tube versus UBE</i>	
18:00-18:10	Joseph Cristini: <i>How to train well in spine endoscopy?</i>	
18:10-18:15	Dimitrios Marinopoulos, ESUBE President: <i>Presentation of the European Society of UBE</i>	
18:15-18:20	François Lechanoine: <i>Presentation of the World Federation of Spine Endoscopy</i>	
18:20-18:30	<i>Discussion</i>	

Friday • February 7, 2025

08:00-10:00	SESSION Advanced Indications	Room M1
08:30-08:40	<i>Debriefing of the first day and Presentation of the “choose your approach” Hands-On Session</i>	
08:40-08:50	Eduardo Moreira Pinto: <i>Endoscopic Lumbar Interbody Fusion</i>	
08:50-09:00	Marco Baldassa: <i>Cervical Monoportall Foraminotomy, posterior Microdiscectomy and Laminectomy</i>	
09:00-09:10	François Lechanoine: <i>Cervical Biportal Foraminotomy, posterior Microdiscectomy and Laminectomy</i>	
09:10-09:20	Cristina Ruiz-Juretschke: <i>Complications management in endoscopic spine surgery</i>	
09:20-09:30	Guillaume Lonjon: <i>Extended and complexes indications in Biportal Endoscopy</i>	
09:30-09:40	Carl Hans Fürstenberg: <i>Extended and complexes indications in Monoportall Endoscopy</i>	
09:40-09:50	Rachid Saddiki: <i>So, Monoportall or Biportal?</i>	
09:50-10:00	Aurore Sellier, Joseph Cristini, François Lechanoine: <i>Enhanced Recovery after Surgery (ERAS) and Endoscopic surgery</i>	
10:00-10:30	Coffee break	

10:30-13:30	SESSION Hands-On “CHOOSE YOUR APPROACH” Cervical Foraminotomy, Microdiscectomy and Laminectomy	Rooms 5-6
	Group A (6 trainees on 3 UpSurge0n models)	
10:30-11:30	<i>Endoscopic Interbody Fusion</i>	
11:30-12:30	<i>Monoportall Session: Transforaminal or Interlaminar</i>	
12:30-13:30	<i>Biportal Session: Interlaminar or Extraforaminal</i>	
(10.30 – 13.30)	<i>Biportal Virtual Reality on UBE XR Simulator (2 trainees: 30 min by trainee)</i>	
	Group B (6 trainees on 3 UpSurge0n models)	
10:30-11:30	<i>Monoportall Session: Transforaminal or Interlaminar</i>	
11:30-12:30	<i>Biportal Session: Interlaminar or Extraforaminal</i>	
12:30-13:30	<i>Edoscopic Interbody Fusion</i>	
(10.30-13.30)	<i>Biportal Virtual Reality on UBE XR Simulator (2 trainees: 30 min by trainee)</i>	

13.30 **END OF THE COURSE**

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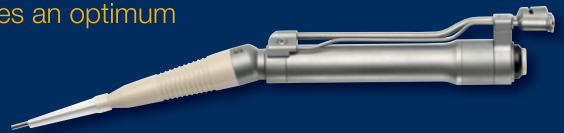
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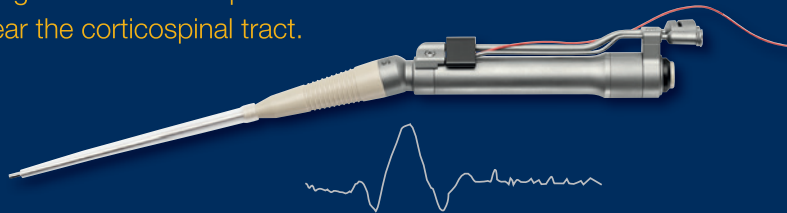
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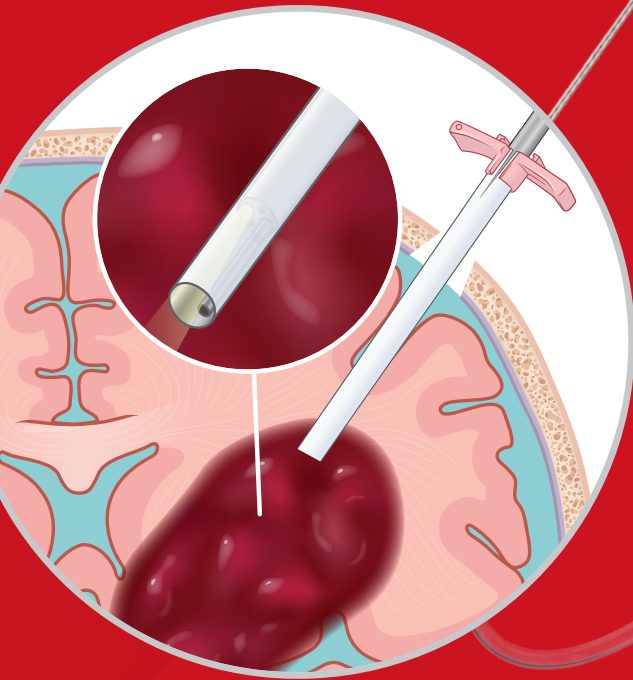
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1. Kellner CP, Song R, Pan J, et al. Long-term functional outcome following minimally invasive endoscopic intracerebral hemorrhage evacuation. *Journal of NeuroInterventional Surgery* 2020;12:489-494.

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CEREBRAL, VENTRICULAR, SKULL BASE
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Naples, Italy

February 3-7, 2025

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