

14th Annual EANS Young Neurosurgeons' Meeting & Research Course

3-5 May 2025 Sicily, Italy



Dear Friends and Colleagues,

It is a pleasure for me to welcome you to the **14th Annual EANS Young Neurosurgeons' Meeting** in my homeland, that is **Sicily, Italy.**

This year we will discuss together with senior experts about the state-of-the-art, complications, and controversies in Skull Base Surgery and Cranial and Spinal Neuro-Oncology. Moreover, for the first time ever, we organized a parallel Symposium to discuss, all together, about the current and most advanced applications of navigated transcranial magnetic stimulation (nTMS) in Neurosurgery.

Based on the successful formula of the previous years, the Meeting will include both practical and theoretical sessions.

The day before the official Meeting starting on May the 3rd, you will have the opportunity to choose to participate to one of the five pre-meeting hands-on workshops on microsurgical resection of brain tumors, endoscopic endonasal transsphenoidal surgery, decompression and instrumentation in spinal neuro-oncology, endoscopic spine surgery, and microvascular sutures and bypass. During the hands-on workshops, you will have the opportunity to refine your surgical skills by performing different surgical procedures on advanced physical simulators, using the most advanced technologies currently available in the surgical theatre.

On May the 4th and 5th, we will have dedicated theoretical lectures from seniors and interactive sessions to discuss the best and most up-to-date management of controversial cases with EANS experts, but also with young peers.

On May the 4th, the European Symposium on nTMS Applications in Neurosurgery will take place in parallel to the main programme: during the Symposium you will have the opportunity to learn from dedicated experts about the importance of nTMS-based preoperative mapping and planning for surgery of brain tumors located in eloquent areas, as well as about most recent applications for post-operative recovery from neurological deficits in neurosurgical patients. During the Symposium, you will have also the opportunity to attend a dedicated theoretical and practical workshop for training in using nTMS and IONM techniques for preoperative and intraoperative brain mapping and monitoring.

Eventually, on May the 5th, the most significant abstracts and videos submitted by Young Neurosurgeons will be presented by their authors: a committee of EANS

experts will evaluate them and will announce the recipients for the best abstract and video award. Indeed, the winners will receive a special award allowing for participation to the next EANS Young Neurosurgeons education activities!

However, all participants will have the opportunity to present their work during dedicated Oral E-poster session during the coffee breaks, as well as to show their digital E-poster during the whole meeting at the dedicated E-poster stations.

The entire Meeting is intended to encourage discussion and to stimulate debates and thoughts in a friendly atmosphere. During these days you will have the opportunity to meet senior experts and young peers coming from different European countries and to discuss about neurosurgical management of clinical cases, but also about opinions, ideas, projects, and opportunities for education and training across Europe.

Last but not least, the Meeting will be another great occasion for networking and social activities!

Thanks a lot for your participation, and enjoy the 14th Annual EANS Young Neurosurgeons' Meeting in Sicily!

Sincerely,

Giovanni Raffa, MD, PhD, EANS YNC Chair

on behalf of the Young Neurosurgeons' Committee

Dear Colleagues and Friends,

It is our pleasure to welcome you to the **EANS Research Course 2025 in Sicily**. Over the past two years, the course has evolved to include more advanced and diverse research content. Last year in Hamburg, the focus was on clinical research, with sessions on statistics, the implementation of artificial intelligence and machine learning, and the design of multicentre trials.

This year, we turn our attention to translational and basic science research. Together, we will explore cutting-edge work in neurovascular diseases, high-grade gliomas, and spinal cord injury, guided by leading experts in the field.

As always, one of the course highlights will be the presentations for the Aesculap Award. In recognition of the vital role young neurosurgeons play in advancing research, I'm proud to introduce a new tradition: inviting the previous year's Aesculap Award winners as faculty. Their continued involvement reflects our commitment to nurturing emerging talent and celebrating their contributions to neurosurgical science.

We look forward to welcoming you in Sicily for an inspiring and engaging course.



Katrin Rabiei, MD, PhD, Chair of EANS Research Committee On behalf of the EANS Research Committee

SCIENTIFIC PROGRAMMES

EANS RESEARCH COURSE 2025

Saturday, 3rd May 2025 Catania, Italy

Venue: Hotel NH Catania Centro, Piazza Trento, 13, 95129 Catania CT, Italy Plenary Room (Verga), 1st floor

COURSE DIRECTOR:

Katrin Rabiei, Sweden

FACULTY:

Salvatore Chibbaro, Italy
Vanessa Hubertus, Germany
Jasper Gerritsen, The Netherlands
Asgeir Jakola, Sweden
Jose Lanciego-Perez, Spain
Sajjad Muhammad, Germany
Katrin Rabiei, Sweden
Idit Tamir, Israel

PROGRAMME

09:30-09:40	Introduction K. Rabiei Designing a study; from research question to funding
09:40-09:45	How do I formulate a research question- preclinical to clinical research J. Gerritsen
09:45-10:05	Methodology in basic science with focus on animal models J-L Lanciego
10:05-10:20	Ethical considerations in pre-clinical research J-L Lanciego, K. Rabiei
10:20- 10:35	Funding for young researchers- Overview of EANS grants and awards K. Rabiei
10:35-10:50	Science made easy - how to combine your research career with your clinical one? I. Tamir
10:50	Coffee and start of workshop "Formulating a research question and setting up a study"
10:50-12:00	WORKSHOP "Formulating a research question and setting up a study" Hubertus, Tamir, Muhammad, Rabiei
12:00-13:00	Lunch Break
13:00-13:45	Presentation of ideas- feedback by faculty
13:45-14:05	Coffee Break
	From basic science to clinical research- translational research in neurosurgical research
14:05-14:20	Building up an anatomical laboratory and setting up research S. Chibbaro
14:20-14:35	Translational spinal cord injury research V. Hubertus
14:35- 14:50	Neurovascular research and use of biobanks S. Muhammad
14:50-15:05	Translational research in high grade gliomas A. Jakola
	Presentations by 2025 EANS Research Prize award nominees
15:05-16:05	EANS Research Prize award presentations

	LABORATORY
15:05-15:15	Inferring histology-associated gene expression gradients in spatial transcriptomic studies
	Jan Kueckelhaus, Germany
15:15-15:25	Personalized Medicine for Meningiomas: Drug Screening on Tumor Organoids
	Exposes Therapeutic Vulnerabilities to HDAC1/2i Panobinostat Gerhard Jungwirth, Germany
15:25-15:35	Mapping naturally presented T cell antigens in medulloblastoma based on integrative multi-omics
	Julia Velz, Switzerland
4	
	CLINICAL
15:35-15:45	Transforaminal versus posterior lumbar interbody fusion for symptomatic single-level spondylolisthesis (LIFT): a multicentre controlled, patient blinded, randomised non-inferiority trial
	Inge Caelers, The Netherlands
15:45-15:55	Localized Nicardipine Release Implants for Prevention of Vasospasm After Aneurys-
	mal Subarachnoid Hemorrhage: A Randomized Clinical Trial
	Lars Wessels, Germany
15:55-16:05	A prospective pilot study of gut microbiome in cerebral vasospasm and delayed
	cerebral ischemia after aneurysmal subarachnoid hemorrhage Tomasz Klepinowski, Poland
16:05-16:30	Voting and presentation of the award winners
16:30	Conclusion



14th Annual EANS Young Neurosurgeons' Meeting

3-5 May 2025 Sicily, Italy

Venue: Hotel NH Catania Centro, Piazza Trento, 13, 95129 Catania CT, Italy

Director of the Meeting: Giovanni Raffa

Honorary President of the Meeting: Francesco Tomasello

The meeting has been endorsed by



ORGANIZING COMMITTEE:

Cristina Aldea, Hungary
Marlies Bauer, Austria

Evangelos Drosos, United Kingdom
Stanislav Kaprovoy, Russia
Laura Lippa, Italy
Daniela Stastna, France
Fabio Torregrossa, Italy

FACULTY

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PRE-MEETING WORKSHOPS' FACULTY

Alessandro Adorno, Italy
Edoardo Agosti, Italy
Felice Buscemi, Italy
Rina Di Bonaventura, Italy
Daniele Cafarella, Italy
Francesco Certo, Italy
Roberto Colasanti, Italy
Francesco Corrivetti, Italy
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Ilaria Melloni, Italy
Giuseppe Ricciardo, Italy
Xavier Santander, Italy
Gianluca Scalia, Italy
Gianluca Trevisi, Italy

SCIENTIFIC PROGRAMME

SUNDAY 4TH MAY 2025 - PLENARY HALL (1ST FLOOR)

08:00-08:10	Registration	
08:10-08:15	Welcome and introduction to the programme	Raffa
08:15-08:20	Welcome by the Honorary President of the meeting	Tomasello
08:20-08:25	Welcome by the EANS President	Meling
08:25-08:30	Welcome by the SINch President	D'Avella
	Session 1: Neuroanatomy and preoperative planning in skull b Chairs: Lepic, Tomasi, Torregrossa	pase surgery
08:30-08:45	The importance of Neuroanatomy in skull base surgery	Bernardo
08:45-09:00	The 3D Atlas of Neurological Surgery	Fugleholm
09:00-09:10	Discussion	
	Session 2: Updates and current concepts in endoscopic skull b Chairs: Bauer, Drosos, Zoia	ase surgery
09:10-09:25	Pituitary adenomas with cavernous sinus invasion	Daniel
09:25-09:40	Craniopharyngiomas	Doglietto
09:40-09:55	Extended approaches	Mazzatenta
09:55-10:10	Prevention and management of complications	Solari
10:10-10:40	Experts' Round Table for Case-based Discussion (open vs endoscopic approaches) Speakers + Zoli, Cossu, Iacoangeli, Chibbaro	
10:40-11:10	Coffee break (E-Poster Session 1)	
	E-poster Station 1 (inside the plenary hall) Chairs: Della Pepa, Mattogno	
10:40-10:44	Endoscopic transorbital approach to the infratemporal fossa. Anatomical feasibility study	Francesco Corrivetti

10:44-10:48	Role of Virtual iMRI in Glioblastoma Surgery: Advantages, Limitations and Correlation with iCT and Brainshift. Erica Grasso
10:48-10:52	Exploring Hand Muscle Disruptions From Stimulation of the Premotor and Parietal Cortices: A New Insight into Motor Control Pier Paolo Berti
10:52-10:56	Augmented Reality-Assisted Resection of Intradural Extramedullary Spinal Tumors: A Single-Center Experience Giacomo Cammarata
10:56-11:00	18f-Fet-Pet Multiparametical Analysis For Differentiating Disease Relapse And Radiation Related Changes In High Grade Glioma Patients Pier Paolo Berti
11:00-11:04	Subarachnoid Haemorrhage from Spinal Tumours A Systematic Review of the Literature Rawan AlMamari
	E-poster Station 2 (Bellini meeting room) Chairs: Trevisi, Colasanti
10:40-10:44	Surgical Management of Sellar Arachnoid Cyst: State of the art and systematic review Michele Pio Fabrizio
10:44-10:48	The Role of the Extent of Resection in Singular Brain Metastasis Tunc Faik Ersoy
10:48-10:52	Comparative Analysis of Clinical Outcomes in High-Grade Glioma Patients 5-ALA Fluorescence-Guided Surgery vs. Conventional White-Light Resection Torebek Tursynbekov
10:52-10:56	Innovations in Insular Glioma Surgery and Intraoperative Monitoring: identification of a pre-warning signalling in Motor Evoked Potentials (MEPs). A preliminary study Camilla Bonaudo
10:56-11:00	Navigated Transcranial Magnetic Stimulation (nTMS)-guided-placement of subdural electrodes for CCEPs recording. A preliminary study Camilla Bonaudo
11:00-11:04	Targeting accuracy of neuronavigation for brain tumor surgery: A comparative evaluation of an innovative wearable AR platform vs. traditional EM navigation. Nicola Montemurro
	Session 3: Updates and current concepts in open skull base surgery Chairs: Costantino, Stastna, Umana
11:10-11:25	Updates on skull base surgery of anterior and middle cranial fossa lesions Netuka
11:25-11:40	Transpetrosal approaches for posterior fossa lesions Froelich
11:40-11:55	Retrosigmoid approach and its variants for posterior fossa lesions Pessina

11:55-12:10	Updates on surgery of foramen magnum meningiomas	Meling
12:10-12:25	Decision making in skull base oncology	Kalyvas
12:25-13:00	Experts Round table for Case-based Interactive Discussion Speakers + Signorelli, D'Avella, Visocchi, Grasso	
13:00-14:00	Lunch	
	Session 4: State of the art for function-based glioma's surgery Chairs: Raffa, Mohme, Panciani	
14:00-14:15	Connectomic analysis for gliomas' surgery	Sarubbo
14:15-14:30	IONM for supratentorial gliomas' surgery	Seidel
14:30-14:45	Novel perspectives in investigating motor connectivity during asleep surgery for brain gliomas	Sala
14:45-15:00	Why function-based surgery in glioblastomas	Jakola
15:00-15:15	Surgery of insular gliomas	Spena
15:15-15:30	State of the art of function-based surgery of low grade gliomas	Duffau
15:30-16:00	Discussion and Q&A with Experts Speakers + Caffo, Fontanella, Iaccarino, Olivi, Ricciuti, Tomasello	
16:00-16:30	Coffee break (E-Poster Session 2)	
	E-poster Station 1 (inside the plenary hall) Chairs: Bauer, Del Moro, Ghetti	
16:00-16:04	Evaluation of Precentral Cerebellar Vein Length and Its Correlation with Surgical Exposure Area in the Midline Supracerebellar Infratentorial and Occipital Transtentorial Approaches to the Pineal Region: A Combined Cadaveric and Radiological Study Alessandro Pesaresi	
16:04-16:08	Neuroplasticity Stimulation to Ameliorate Results of Surgery in Brain Tun	nor Patients
	 preliminary results from the NEUROSTAR-BTP study Cristofer Gonzalo Ga 	rcia Moreira

16:08-16:12	Identifying Predictive Factors for Postoperative Hydrocephalus Following Medulloblastoma Resection A Single-Center Study Alessandra Spinean	
16:12-16:16	Application of Transorbital Surgery in Multidisciplinary Approaches to Skull Base Pathologies - A Minimally Invasive Era Chat Fong NG	
16:16-16:20	Pediatric Posterior Fossa Tumors, Clinical Challenges and Surgical Outcomes in a Tertiary Centre of a Developing Country Nischal Soti	
16:20-16:24	Endoscopic Approaches for Orbital Cavernous Hemangiomas Davide Ferlito	
	E-poster Station 2 (Bellini meeting room) Chairs: Di Russo, Gorgoglione, Bongetta	
16:00-16:04	Risk factors of hemorrhage after glioma surgery Julia Talaga	
16:04-16:08	Assessing Consciousness through the Default Mode Network: Neuroimaging and Non-Invasive Modulation Techniques in Neurosurgery Vasileios Vafeiadis	
16:08-16:12	Retrosigmoid intradural suprameatal approach for the diagnosis of undetected Meckel's cave breast metastasis Marilou Cavaliere	
16:12-16:16	Bevacizumab effect on intracranial ependymomas in adults: A systematic review Irina Davletova	
16:16-16:20	Investigating the Anatomical Basis of Craniofacial Pain in Skull Base Tumors: Preliminary Findings from an Ongoing Observational Study Pietro Zangrossi	
16:20-16:24	Anatomical-Biomolecular Correlation of Gliomas and Clinical Outcome: Our Experience and Literature Review Aristide Nanni	
	Session 5: Updates and current concepts in cranial neuro-oncology Chairs: Freyschlag, Graziano, Raudino	
16:30-16:45	Updates on molecular diagnostic in gliomas and meningiomas Simon	
16:45-17:00	Confocal microscopy for intraoperative diagnosis Wagner	
17:00-17:15	Updates on fluorescence-guided surgery of brain gliomas Stummer	
17:15-17:30	Updates on advanced ultrasound-guided brain tumor surgery Perin	
17:30-17:45	Updates on LITT in neuro-oncology Bartek	
17:45-18:30	Experts' Round Table for Case-based Interactive Discussion Speakers + Alafaci, Denaro, Frati, Iacopino, Ius, Luzzi, Passalacqua	
20:15	Networking dinner	

SUNDAY 4TH MAY 2025 - PARALLEL ROOM (BELLINI MEETING ROOM, 1ST FLOOR)

European Symposium on nTMS applications in Neurosurgery

08:15-08:40	Registration	
08:40-08:50	Welcome and introduction to the programme	Raffa/Tomasello
	Session 1: Updates on preoperative brain mapping and fiber tracki Chairs: Bartek, Lavrador	ng
08:50-09:05	Updates on nTMS motor mapping	Rosenstock
09:05-09:20	Updates on nTMS language mapping	Ille
09:20-09:35	Updates on nTMS mapping of other complex functions	Bonaudo
09:35-09:50	Mapping the cortical reserve using nTMS in cervical myelopathy	Vajkoczy
09:50-10:05	nTMS-based fiber tracking of motor and language fascicles	Negwer
10:05-10:20	fMRI-based pipeline for preoperative planning	Tringali
10:20-10:30	Discussion and Q&A with Experts	
10:30-11:00	Coffee break	
	Session 2: Updates on nTMS-based workflow for surgery of lesions in Chairs: Mohme, Suero Molina	eloquent areas
11:00-11:15	Clinical workflow for nTMS-based planning for surgery of brain	
	tumors in eloquent areas	Vergani
11:15-11:30	Combined preoperative nTMS and IONM guidance of awake surgery brain tumors in eloquent areas	y for Germanò
11:30-11:45	nTMS guidance of tubular surgery for deep-seated brain lesions	Angileri
11:45-12:00	Discussion and Q&A with Experts	
12:00-13:00	Workshop on preoperative nTMS mapping/planning and IONM (Bellini meeting room on 1st floor & Sciascia meeting room on grutors: Colasanti, Della Pepa, Jadoon (Bellini meeting room, 1st flo Bonaudo, Lepic, Trevisi (Sciascia meeting room, ground floor	round floor) or)
13:00-14:00	Lunch	

14:00-15:00	Workshop on preoperative nTMS mapping/planning and IONM (Par (Bellini meeting room on 1st floor and Sciascia meeting room on grounds: Colasanti, Della Pepa, Jadoon (Bellini meeting room, 1st floor) Bonaudo, Lepic, Trevisi (Sciascia meeting room, ground floor)	
	Session 3: Advanced nTMS mapping and planning Chairs: Bonaudo, Feletti	
15:00-15:15	Integration of nTMS-based connectomes	Schwender
15:15-15:30	Decrypting motor-evoked potential of the brain-tumor interface in the frequency domain	Naros
15:30-15:45	Impact on nTMS SMA mapping and tractography on post-op outcome	Ille
15:45-16:00	Discussion and Q&A with Experts	
16:00-16:30	Coffee break	
	Session 4: Neuromodulation to improve brain tumor surgery Chairs: Vergani, Zoia	
16:30-16:45	nTMS and neuroplasticity	Duffau
16:45-17:00	NeuroStar BTP: preconditioning the motor cortex using rnTMS-EEG-based neuromodulation in brain tumor patients	Marzetti
17:00-17:15	PRECOG Study: Motor pre-habilitation by rnTMS for surgery of motor-eloquent gliomas	Conti
17:15-17:30	Discussion and Q&A with Experts	
	Session 5: Other nTMS applications in neurosurgery Chairs: Gandia, Rosenstock	
17:30-17:45	Identifying cortical plasticity after spinal tumour resection using nTMS	Lavrador
17:45-18:00	nTMS-based machine learning prediction of tumor grading	Vergani
18:00-18:15	Postoperative nrTMS therapy for recovery from surgery-related paresis	Schwendner
18:15-18:30	Discussion and Q&A with Experts	
18:30-18:45	Closure of the Symposium	Raffa
20:15	Networking dinner	

MONDAY 5TH MAY 2025 - PLENARY HALL (1ST FLOOR)

	Session 6: Updates and current concepts in treatment of spine metastases Chairs: Gandia, Kaprovoy, Garufi		
08:30-08:45	Minimally Invasive Surgery (MIS) surgery for spine metastasis Demetriades		
08:45-09:00	Alternative implant materials in spinal tumor treatment Ringel		
09:00-09:15	Robotic instrumentation and fusion Sciarrone		
09:15-09:30	Do we really need robotic spine surgery? Sampron		
09:30-09:45	Controversies in spine neuro-oncology Velinov		
09:45-10:15	Experts' Round Table for Case-based interactive discussion Speakers + Barbagallo, Cacciola, Cicero, Delitala, Dugono, Raco		
10:15-10:45	Coffee break (E-Poster Session 3)		
	E-Poster Station 1 (inside the plenary hall) Chairs: Melloni, Pino		
10:15-10:19	An unclassifiable H3K27/FGFR1 coaltered subtype of diffuse midline glioma: a rare case report and review of the literature Giada Garufi		
10:19-10:23	Candida meningitis in two patients who underwent transsphenoidal surgery from a single-institution case series Mattia Russel Pantalone		
10:23-10:27	Extended reality in medical education: innovative training approaches and simulation techniques Marius-Cristian Zaharia		
10:27-10:31	The "trimeric" anterolateral thigh free flap: a novel technique for the reconstruction of complex cranio-orbital and middle skull base defects Russel Wagner		
10:31-10:35	Body height and ASA class as significant risk factors in the semisitting position for posterior fossa surgery Farjad Khalaveh		
10:35-10:39	Visual outcome in patients with meningiomas compressing optic nerve Filip Blazek		
	E-Poster Station 2 (Bellini meeting room) Chairs: Lofrese,Somma		
10:15-10:19	Navigating the Complexities of Spinal Cord Metastatic Melanoma: A Case of Rapid Neurological Decline Requiring Surgical Decision-Making Mary Solou		

10:19-10:23	The role of surgery in the recurrence of glioblastoma	Alberto Califano
10:23-10:27	Application of a Hyperspectral Imaging System for Supratentorial Meningiomas Grading	amilla Bonaudo
10:27-10:31	Enhancing Surgical Outcomes: The Impact of Intraoperative Neurop Monitoring on Postoperative Recovery in Brain Tumor Surgery	hysiological Fabio Serpico
10:31-10:35	Safety and efficiency of stereotactic robot-assisted biopsies in diagn of hypothalamic lesions- cases presentation and narrative non-systematic review Selene	oosis Marika Cavallo
10:35-10:39	"The role of Transorbital Approach in Recurrent Meningioma: A Case Report"	oberta Costanzo
	Session 7: Decision-making in spine neuro-oncology Chairs: Lippa, Maugeri, Stengel	
10:45-11:00	Intra-dural spine tumors	Fornari
11:00-11:15	Primary spine tumors	Ryang
11:15-11:30	Metastatic spinal cord compression on call	Thomè
11:30-12:00	Interactive case-based discussion Speakers + Basile, Cardali, Ghadirpour, Golubovic, Nicoletti, Ron	nano
	Session 8: Abstracts, Videos, and YNN Networking Chairs: Belo, Drosos, Ricciardi	
12:00-13:55	Presentations of selected abstracts and videos Best Abstract, E-Poster and Video Awards	
	Abstracts	
12:00-12:06	Fluorescence guided endoscopic resection of pituitary adenomas us continuous near-infrared/white light overlay; Preliminary results fro a prospective cohort study	•
12:06-12:12	Stereotactic biopsies for intracranial lesions: risk factors for adverse	
	events in a population-based single-institution consecutive series	Sara Tabari
12:12-12:18	Surgical site infections in intraparenchymal neuro-oncology surgery Tubular retractors minimally invasive vs. conventional	<i>r</i> :
	craniotomy	Vinchya Prasad

12:18-12:24	Artificial intelligence: radiomics in the differential diagnosis of intraaxial brain tumors Laura Andreacchio
12:24-12:30	Anatomical considerations for efficient dural peeling in the extradural subtemporal approach Luigi Mauro
12:30-12:36	Radiomic characterization of mri flair altered areas in glioblastoma. Validation and histological correlation of a novel approach to guide flairectomy Giacomo Cammarata
12:36-12:42	Treatment of recurrent high-grade gliomas based on pre- and intraoperative morpho-functional imaging Roberta Laera
12:42-12:48	nTMS-Guided segmentation of safe tumor-to-surgery volume in recurrent low-grade gliomas: enhancing multidisciplinary decision-making Pier Paolo Berti
12:48-12:54	Optimizing outcomes in clival chordoma surgery: a systematic-review and meta-analysis of surgical approaches Filippos Chelmis
12:54-13:00	Combined endoscopic endonasal transclival and contralateral transmaxillary approach to the petrous region: working "around the corner" of the internal carotid artery: anatomo-clinical study Francesco Corrivetti
13:00-13:06	Long-term outcomes following gamma knife radiosurgery treatment of craniopharyngiomas: a swedish nationwide cohort with a mean follow-up of 21 years Ali Buwaider
13:06-13:12	Endoscopic approaches to the orbit: transnasal and transorbital, a case series Davide Ferlito
13:12-13:18	Comparative analysis of the outcomes of surgical treatment of patients with intradural extramedullary tumors using minimally invasive and traditional treatment methods Evgeny Brinyuk
13:18-13:24	Robotic spine surgery compared with free-hand surgery: advantages, disadvantages, future prospects Federico laccarino
	Videos
13:24-13:28	Microsurgical endoscope-assisted removal of a pulvinar glioma through a supracerebellar transtentorial approach to the cisternal surface of the thalamus Luca Zanuttini
13:28-13:32	Awake surgery for oligodendroglioma in an eloquent region Hojka Rowbottom
13:32-13:36	Endoscopic-assisted microsurgical removal of a pediatric medulloblastoma through a telovelar approach Maria Luisa Gorgoglione

13:36-13:40	Endoscopic transorbital removal of a temporomesial cavernous Hemangioma	Davide Ferlito
13:40-13:45	An EANS survey to call for action in standardizing European Fellowship Neurosurgery Programmes	Claudia Au-Yeung
13:45-13:55	Best Abstract, E-Poster and Video Awards	Raffa, Tomasello
13:55-14:00	Concluding remarks	Raffa, Tomasello

PRE-MEETING HANDS-ON WORKSHOPS, COURSES INFORMATION AND ADVERTISEMENTS

SATURDAY 3RD MAY 2025

13:00-17:00

HANDS-ON WORKSHOP 1

Microsurgical resection of brain tumors

Directors: Graziano, Jakola, Perin, Umana

Capuana Meeting Room, 1st floor

Description:

During the workshop participants will be trained in performing microsurgical resection of brain tumors on physical simulators of high and low grade gliomas, metastases and convexity meningiomas. In specific workstations, the microsurgical resection will be performed using 5-ALA fluorescence guidance.

Tutors:

Colasanti, Della Pepa, Di Russo, Gorgoglione, Mohme, Panciani, Stastna, Suero Molina

13:00-17:00

HANDS-ON WORKSHOP 2

Endoscopic endonasal trans-sphenoidal surgery

Directors: Bernardo, Esposito, Zoia, Zoli

Bellini Meeting Room, 1st floor

Description:

During the workshop participants will be trained in performing endoscopic endonasal transsphenoidal approach for reaching the sella turcica and removing a sellar lesion on physical simulators.

Tutors:

Agosti, Adorno, Certo, Corrivetti, Mattogno, Priola, Solari

13:00-17:00

HANDS-ON WORKSHOP 3

Spine decompression and instrumentation in neuro-oncology

Directors: Kaprovoy, Maugeri, Somma, Ghadirpour

Martoglio Meeting Room, 1st floor

Description:

During the workshop participants will be trained in performing laminectomy for spinal decompression and instrumentation with pedicle screw inserted using different techniques (free-hand, navigation-guided and robot-guided) in different spine segments.

Tutors:

Bauer, Cafarella, Garufi, Iaccarino F, La Fata, Lofrese, Marchese, Marrone, Melloni, Scalia

13:00-17:00

HANDS-ON WORKSHOP 4 Spine Endoscopy

Directors: Belo, Ghetti, Stengel
Camilleri Meeting Room, 1st floor

Description:

During the workshop participants will be trained in performing different endoscopic spine procedures for spine decompression and removal of disk herniation on physical simulators.

Tutors:

Buscemi, Della Torre, Gambadoro, Jadoon, Lechanoine, Pino, Santander

13:00-17:00

HANDS-ON WORKSHOP 5 Microvascular sutures and bypass

Directors: Velinov, Feletti, Lepic Sciascia Meeting Room, ground floor

Description:

During the workshop participants will be trained in performing microvascular sutures and different types of bypass on vessels' models.

Tutors:

Aldea, Bongetta, Cossu, Del Moro, Di Bonaventura, Trevisi, Mantovani

17:00

Welcome Cocktail (venue restaurant, 1st floor)



VENUE

Hotel NH Catania Centro

Piazza Trento, 13, 95129 Catania CT, Italy



EANS Research Course 2025, 3 May 2025, Plenary Room, 1st floor.

Pre-Meeting Workshops, 3 May 2025, ground and 1st floor.

EANS Young Neurosurgeons' Meeting, 4-5 May 2025, Plenary Room, 1st floor.

The European Symposium on nTMS applications in Neurosurgery, which is part of the Meeting, takes place in Bellini room located on the 1st floor.

The Workshop on preoperative nTMS mapping/planning and IONM takes place inside Bellini room (1st floor) and Sciascia meeting room, (ground floor).

The coffee and lunch breaks will be served in the hotel restaurant and in Capuana exhibition room on the 1st floor.

TRANSPORTATION

The closest airport is Aeroporto di Catania-Fontanarossa.

The easiest and fastest way to reach the venue is to take a taxi from outside terminal A.

Another option is the ALIBUS Airport shuttle bus. The stop is just outside of Terminal A, 2 minutes walking from Terminal C.

The ticket can be purchased at the self-service machines outside Terminal A or inside the bus.

The stop is called TRENTO or PIAZZA TRENTO which is 2 minutes walking from the meeting venue.

NETWORKING OPPORTUNITIES

Saturday 3rd May 2025

17:00 Welcome drinks at the restaurant of the meeting venue.

Sunday 4th May 2025

20:15 Networking Dinner at Pepe Nero,

Viale Ruggero di Lauria, 43, 95127 Catania CT, Italy

The dinner tickets were sold separately. Only delegates who have purchased the ticket online can attend the dinner.

The meeting point is at 20:15 at the restaurant.

Please make sure to bring your badge at the dinner.

Please use the QR code to find best route to reach the restaurant.



USEFUL INFORMATION

The EANS on-site staff will be:

Martina De Gregorio, +32 471 82 31 65, martina.degregorio@eans.org

Thierry Hoppe, finance@eans.org

The EANS acknowledges the kind support of:























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and their families through Hydro&Me. Our hydrocephalus resources website is available in 5 languages (Dutch, English, French, German and Italian) and provides useful information on Hydrocephalus condition and "living with a shunt".







EANS2025 Vienna

EMBRACING COLLABORATION IN NEUROSURGERY

OCTOBER
5 - 9

REGISTRATION IS OPEN!





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