

EANS ANNUAL REPORT 2023



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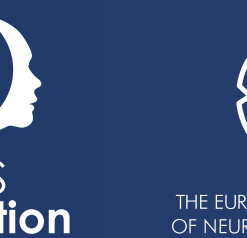
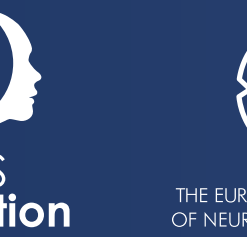
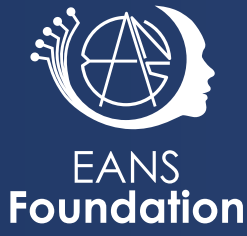
INNOVATION

RESEARCH

LEADERSHIP

EXCELLENCE





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The EANS Annual Report 2023 was compiled, proofread and organised by the EANS Communications Manager, Maria Kantziari, in collaboration with the EANS President, Andreas Demetriades, and the support of the EANS Office Holders and the EANS office team.

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President's Report



The 2021-2023 period had a particular mission. It was the time when the COVID-19 pandemic was coming to an end, and the previously halted activities could restart. The first mission therefore was the restoration of normal activities and the rebuilding of momentum. In addition to this, there were the projects and aspirations that the then new Board wanted to set in motion.

The 2023 calendar year was a very successful one for the EANS. We have seen growth in all aspects of our organisation, ranging from membership to educational activities, furthering our mission to educate, train, and equip European neurosurgeons in our efforts to provide excellent care to our patients. This is a testament to the cogwheels in our community, coming together and maintaining as well as building upon the EANS Spirit.

My gratitude goes to all Individual Members, for their fervent support in our events and activities; the Chairs and members of the Sections/Committees/Task Forces, for pushing and maintaining the high standards in our programmes; the administrative office for their unwavering 24/7/365 support; the national societies, who make up the backbone of our Association; and the Board and Executive Committee for their dedication and volunteerism.

In the few paragraphs that follow, I highlight some of the work achieved during our term in office over the last year and invite you to delve further into the several reports that comprise this EANS Annual Report 2023.

Administration

The day-to-day running of our organisation may not be too visible to many, as we depend on people living in different parts of our continent and in different time zones. The workload has logarithmically increased over the last decade. Indeed, over the last couple of years, efficiency has been built further and maintained within our structures that allowed shared responsibilities and division of labour.

The **Board** met regularly on several occasions, both in person and online.

We increased the frequency of **Council** meetings, thus allowing cross-fertilisation of ideas between the Chairs of all the Committees, Sections and Task Forces, and encouraging a momentum of projects.

The **Executive Committee** met mostly fortnightly (online), allowing a more streamlined overview and drive of activities, responsibilities and outcomes.

In parallel, the **Office** team met weekly and has been instrumental in providing the necessary support system for every endeavour, old and new.

Finances

The EANS has hired its own Financial Manager, Mr Thierry Hope. This pays dividends in keeping track of finances both incoming and outgoing. This is the backbone that allows all our events to be budgeted, financed, and delivered.

We are fortunate that we are in the best financial situation we have ever had, and this is very important, especially after two pandemic years when our income was necessarily halted.

The Corporate partnership concept has been developed and one big partnership, with Zeiss, has provided a huge financial stability boost to our organisation, while a second such partnership is being finalised.

The income from the Annual Congress has been the best ever, and this is of paramount importance as we delivered this for the first time ever ourselves, ie without relying on the costly services of a PCO (Professional Congress Organiser). Of course, this is no mean feat and not something that can be achieved overnight. The success of this depends on several factors, and it was a build-up over several years until we felt ready to take the leap.

Teaching and Education

Our traditional Training Courses remain as popular as ever, and our Training Committee has successfully run six courses. Furthermore, we are proud that the backlog of trainees who had missed their courses during the pandemic has all been accommodated with the running of a couple of larger-than-usual courses, allowing the catch-up of older trainees and the commencement of newer trainees.

Our educational portfolio now has expanded significantly, and an important achievement is the rollout of newer courses at the postgraduate level. These include subspecialty-specific courses at both basic and advanced levels, as well as the combination of practical hands-on courses and theoretical ones.

In order to spread risk as well as increase opportunities for participation to all corners of our continent, we had embarked on a review of new potential sites for hands-on courses. Whereas a lot of our hands-on events had been concentrated in Western Europe, new facilities were approved (Istanbul and Athens) and are now in use.

Annual Congress organisation

We have had the privilege of two excellent and landmark Congress events in EANS2022 Belgrade and EANS2023 Barcelona. In the transition between these two, it is for the first time in the history of EANS that we have organised our Annual Congress 2023 **ourselves**.

This comes with huge potential advantages but carries caveats too.

We hope this will be a significant turning point for our Association, which will further stabilise and financially support our portfolio.

Indeed, we have now also a centralised Scientific Programme Committee, so that the EANS maintains all responsibility for the Congress rather than the host country's national society.

This will hopefully ensure continuity and build on quality year on year.

Advocacy

This is at the heart of what we do; for our patients and for our members, both at the individual level and at the National Society level. This is a complex task, and benefit comes from education, training, and guidelines development, among others.

In addition, certain committees have an advocacy role which they have exercised appropriately over the last two years: IM Committee, Diversity Committee, Frontiers Committee, and Ethico-legal Committee.

The EANS also carries representation responsibility to organisations where we are members, such as the European Brain Council and the WFNS.

Maintaining standards

We are a professional organisation, and in fact, unlike most other specialties, the EANS is the only such entity in Europe for our specialty. Part of our responsibility, therefore, is to uphold and promote standards in the training and practice of neurosurgery. This we strive for via several avenues.

The **Joint Training Advisory and Accreditation Committee (JTAAC)** is a joint committee between the EANS and the UEMS, whose primary aim is to improve the quality of neurosurgical training programmes throughout Europe by acting as a pan-European accreditation and monitoring body. The work of JTAAC is based on the guidelines set out in the European Neurosurgical Training Charter. We encourage training programme directors to put their programme forward for validation.

Our **Guidelines Development Task Force** is working hard behind the scenes to encourage Sections, Committees and Task Forces to generate professional guidelines that can be used by colleagues in Europe and beyond.

Our mission in **Education & Training** is unparalleled. We have a Training Course that has stood the test of time for well over 50 years, whereas our educational portfolio, as you can see within this Annual Report is growing year on year with more and more educational offerings.

While we work towards the **Harmonisation & blurring of barriers**, be they national, regional, institutional, or individual, we also respect the individuality in character of member national societies, as in each country there are particularities in the set-up, planning and running of the local healthcare system and the organisational delivery of neurosurgical services.

Scientific activity

During the last two years, and indeed within 2023, we have continued to build on the strengthening of our scientific involvement and productivity, and this can be seen throughout the Annual Report where activities provide a glimpse of the work behind the scenes.

The **Annual Congress** is the jewel in our annual calendar, where colleagues from all corners of Europe and the world come together to share experiences, exchange knowledge, and push the boundaries of our field.

Study groups have been formed by a growing number of Sections/Committees, whereby special topics of interest are studied, projects planned and executed, and publications and recommendations produced. A few examples include the Spine Section's work on spondylodiscitis; the Trauma Section's survey on the restriction of mobilisation after subarachnoid haemorrhage; the Skull Base Section's consensus statement on giant pituitary neuroendocrine tumours, to mention a few.

Research seed grant funding is provided annually to Young Neurosurgeons, and presented at the Annual Congress.

The EANS helps provide **support for external research applications**; one such success story is the ongoing AENEID project.

Over the 2021-2023 period there has been an exponentially increasing number of **publications by EANS Sections, Committees, and study groups**. Warm congratulations to everyone involved in this hard work.

EANS visibility in other meetings has been promoted and it is great to see this led to useful collaborations. We have had special sessions at the Global Spine Congress for three years in a row, and the European Academy of Neurology for two years in a row. We have also had representatives present on our behalf at several meetings such as at the AANS and the WFNS.

In addition to that, we have forged **scientific and educational collaborations through Joint events with other societies and subspecialty groups**, such as the EANS-FLANC Peripheral Nerve Surgery Course; and our annual Joint Spine Societies Symposium.

In 2023 we delivered a special event, the **Spring Spine Summit**, jointly hosted by EANS and EUROSPINE.



Brain and Spine - our very own journal

By the end of 2023, our official journal Brain and Spine was barely two years old. In this short space of time, it achieved indexation in PubMed Central, Scopus and Clarivate. We worked hard to ensure that individual members can submit without the fear of Article Processing Costs, which were waived throughout 2023 and beyond.

We launched the concept of Special Topic Issues- the inaugural one being on *Global and Humanitarian Neurosurgery*.

We developed the concept of Affiliate societies, soon to be launched.

Sections have published a variety of studies, and for the first time the EANS was being visible in the authors affiliations. Read more from our Editor-in-Chief in the dedicated section of the Annual Report.

Global Health and Humanitarianism

The war in Ukraine unfortunately continued throughout 2023 and is still ongoing; the EANS tried its best to support our colleagues there, encouraging financial and educational support through formal agencies. Of particular interest is that we have negotiated successfully for the sponsorship and creation of a hands-on skills lab in western Ukraine, to allow training development of colleagues while they are not allowed to travel abroad. The membership fees of the Ukrainian society have been waived until further notice.

The 2023 membership fees for Turkey were also reduced to 50% after the 2023 earthquake, at the request of our colleagues from the TNS.

I am particularly proud of the EANS Global and Humanitarian Committee, which was formed in 2021 and which came together with dedication to the cause. In a short space of time, it has achieved a significant amount of work which bodes well for the future. It is only humble beginnings, yet we hope this facet of European Neurosurgery will continue to evolve. Over the last year, we saw the launch of the first special issue in *Brain and Spine* on *Global and Humanitarian Neurosurgery*; the inaugural award of the *EANS Humanitarian Award* to Professor Knut Wester from Bergen, Norway, and excellent sessions at the EANS2023 Congress in Barcelona *at the service of humanity*.

Inter-society collaborations

One of the strategic initiatives during 2021-2023 was to strengthen existing relationships with other professional associations and to encourage new ones. This is a multi-layered activity with both small and large partners. For example, EUROSPINE continues to be a strong partner; we share equal ownership in the Brain and Spine journal, we have been running the Advanced Spine Course jointly for over a decade, and we delivered together the 2023 Spring Spine Summit in Budapest.

Another dimension is that of the several collaborative sessions during the Symposia Day, on the opening Sunday of the Annual EANS Congress, between the EANS Sections and other related professional organisations, including the European Society of Stereotactic and Functional Neurosurgery (ESSFN), the European Society of Intensive Care Medicine (ESICM), the Hydrocephalus Society, the European Brain Council (EBC), and the International Society of Intraoperative Neuromonitoring (ISIN).

Other collaborations included educational events and courses with the Latin American Federation of Neurosurgery (FLANC), the World Federation of Neurosurgical Societies (WFNS), and the European Society of Paediatric Neurosurgery (ESPN).

It is hoped that these and other efforts will grow from strength to strength and that further joint projects will emerge, especially joint clinical guidelines.

The EANS Guidelines Development Project

This is an ambitious project which aims at the building and development of long-term expertise in the development of clinical guidelines. To achieve this, we have partnered with an expert group from

McMaster University, Canada, and look forward to guidance by the team led by Professor Gordon Guyatt. Collaborations with other societies and subspecialty associations- such as WSES, EANO, ESO, ESSFNS, ESPN, EUROSPINE, AOSpine, EAN- will hopefully lead to important documents that can benefit colleagues and patients in Europe and beyond.

One such collaborative work was achieved in 2023 with the World Society of Emergency Surgery (WSES), with whom we published the ***“Early management of adult traumatic spinal cord injury in patients with polytrauma: a consensus and clinical recommendations jointly developed by the World Society of Emergency Surgery (WSES) & the European Association of Neurosurgical Societies (EANS)”***.

Inclusivity, Diversity and Community development

The EANS calendar is thriving with activities from Sections, Committees, and Task Forces. These are mainly of educational nature and vary from webinars to subspecialist theoretical and hands-on courses. In parallel, we have seen a significant increase in scientific productivity arising out of study groups from within and across the sections, where collaborative research is yielding a variety of published work and proving opportunities for the involvement and engagement of young neurosurgeons.

Indeed, beyond the technical and scientific aspects in neurosurgery, a main point of our activities is that anyone and everyone can get involved. The *Diversity in Neurosurgery Committee* and the *Individual Membership Committee* have contributed immensely to the promotion of inclusivity and diversity, aspects we all could and should celebrate in our work.

Warm congratulations to everyone involved. Of course, feedback is always welcome, and we remain grateful for the very positive critique from individual members, National Societies, and international partners.

Legacy

As the EANS edges towards its 75th anniversary and we remain cognisant of the importance of legacy, we launched an important project led by our Historian. Keep an eye out for the special webpages soon to be unveiled.

The EANS Spirit

It has often been said that there are many neurosurgical associations around the world, but none like the EANS. We are proud of our community and the interactions within it. It is this EANS Spirit that is important to maintain, protect and propagate.

Dear friends and colleagues,
It has been an amazing journey to serve you as President of the EANS,
one that professionally is impossible to beat.

For the privilege of service
For the humbling honour
For all the support

THANK YOU

Andreas Demetriades
President 2021-2023

Executive Director's Message



Dear EANS Family,

I would like to start this short letter by thanking you once again for being part of our growing community. With the contribution of every EANS Individual or National Society Member, Office Holder, Trainee, event attendee, Office member, our organization becomes larger, better, more open, more accessible, and more impactful.

Before elaborating on our 2023 activities, I also wish to congratulate the newly appointed/elected Office Holders and sincerely thank the outgoing ones for their amazing work during their term. Two excellent years came to an end, while 2 very promising years are ahead.

Sometimes, realising the full picture of what has been achieved by team effort within a one year-span is not a given until someone asks you to actually make a list. Now that this exercise was done, I can proudly report that 2023 was a great year for the EANS on all fronts.

2023 was the first activity-full year post the COVID-19 pandemic, which today seems already like a distant memory. Having concluded what was probably the busiest-ever EANS educational portfolio, it is evident that our organisation answered the call for more neurosurgical training and education across Europe. In the same context, our webinar series, organised by the EANS Sections, Committees and Task Forces, provided hundreds of educational hours for free to the global neurosurgical community.

In addition to that, 2023 marked the very first EANS Congress organised entirely by the EANS Office. The internalisation of the congress was a long-discussed goal that was finally achieved, and the result was excellent in every aspect. The EANS2023 Barcelona Congress was the largest ever, having been attended for the first time by more than 2000 participants, accompanied also by the biggest exhibition ever in an EANS Congress, with 55 industry partners participating.

EANS is an association of National Societies and Individual Members. In 2023 we were able to advance in both areas, and achieved goals that were set years ago, when the previous board took office; we exceeded 3000 individual members and took important steps towards further strengthening our link with our National Member Societies, by organising the first National Societies Meeting, and establishing the National Societies Newsletter that will be launched in 2024.

A lot more was achieved; We improved our technologies and operations on finances and governance, and we enhanced the status of the organisation at European level, by joining the Health Technology Assessment Stakeholder Network (HTA), a European Commission policy-making body. Our Journal, Brain & Spine achieved several milestones in 2023 and is now moving forward towards having an impact factor in the next few years.

A new year is ahead, with a solid plan and new goals aiming towards the constant growth and development of the organisation. Our congress remains within the EANS Office mandate and now goes to Sofia for another successful edition. Our educational portfolio is reinforced with new events, and our activities with and for our National Member Societies and Individual members will only become more frequent.

I urge you to join us in our many activities and become part of our ever-growing community.

Sincerely,

Valentini Amarantidou
EANS Executive Director

EANS Mission

The **European Association of Neurosurgical Societies (EANS)** is both an independent federation of European national neurosurgical societies and a fast-developing association of individual neurosurgeons from Europe and around the world.

Founded in 1971, by delegates from 18 national societies, today the EANS counts more than **41 European national society members, 3 affiliated society members and 2500+ individual members**. The organisation's objective is to enable its members to enhance the care they deliver to their patients by facilitating the exchange of scientific information at the highest level. In pursuit of this goal, the EANS arranges a wide range of meetings, symposia and educational courses, including the **European Congress of Neurosurgery** and the highly regarded **European Training Courses in Neurosurgery**.

The EANS mission is to:

- > enhance the exchange of neurosurgical knowledge and experiences amongst its members;
- > promote the interests of the neurosurgical discipline, as well as the interests of neurosurgeons and of their patients both within and outwith the European geographical region;
- > facilitate the training of specialist neurosurgeons and surgeons-in-training;
- > bring together national and international neurosurgical associations.

To that end, the association undertakes the following activities, among others:

- > the organization of neurosurgical congresses, among which the European Congress of Neurosurgery;
- > the organization of programmes of clinical research and educational importance relating to neurosurgery and associated sciences;
- > advises its members on training programmes in order to establish a uniform standard in Europe;
- > acts as advisory body on topical issues submitted to the Association by its members.



The EANS Office Holders

2021-2023 The EANS Board



Andreas Demetriades
President



Torstein Meling
President Elect



Karl Schaller
Past President



Johannes van Loon
Secretary



Francesco Sala
Treasurer



Miroslav Vukic
*Board Member:
Audit Governance*



Nikolay Konovalov
*Board Member:
CME & Guidelines*



Marike Broekman
*Board Member: Individual
Membership Committee Chair*



Claudius Thomé
*Board Member:
Scientific Liaison*



Vakis Papanastassiou
*Board Member:
Training Committee Chair*



Marcel Ivanov
*Board Member:
Historian*



Peter Whitfield
*Board Member: Chair of the
Examination Committee*



André Grotenhuis
*Board Member:
President of the EANS Foundation*



Martin Lehecka
*Board Member: Chair Elect of the
EANS Training Committee*



Wilco Peul
*Board Member: Editor of the official
EANS Journal, "Brain&Spine" &
President of the UEMS Section of
Neurosurgery*



Asgeir Jakola
Board Member: Research Fund

2021-2023 The EANS Section Chairs



Mansoor Foroughi
Section of CerebroSpinal Fluid (CSF)



Olaf Schijns
Section of Functional Neurosurgery



Matthias Simon
Section of Neuro-oncology (Tumour)



Bart Depreitere
Section of Neurotrauma and Critical Care



Sergey Gorelyshev
Section of Pediatric Neurosurgery



Christian Heinen
Section of Peripheral Nerve Surgery



Piero Picozzi
Section of Radiosurgery



Michaël Bruneau
Section of Skull Base Surgery



Florian Ringel
Section of Spinal Neurosurgery



Andreas Raabe
Section of Vascular Neurosurgery



2021-2023 The EANS Committee Chairs



Silvia Hernández-Durán
*Diversity in Neurosurgery
Committee*



Peter Whitfield
EBNS Exam



Ciaran Bolger
Ethico-legal Committee



Jean Regis
Frontiers in Neurosurgery



Lukas Rasulic
*Global and Humanitarian
Neurosurgery Committee*



Marike Broekman
Individual Membership Committee



Eberhard Uhl
JRAAC Committee



Aki Laakso
Research Committee



Vakis Papanastassiou
Training Committee



Marisa Gandia
Young Neurosurgeons' Committee



EANS Task Forces



Sandro Krieg
Academy



Andreas Demetriades
Guidelines Development



Nikolay Gabrovsky
*Emerging Technologies and
Innovations in Neurosurgery*

Other positions



Nikolay Velinov
Director, Hands On Courses

The EANS Office Staff



Valentini Amarantidou
Executive Director



Martina De Gregorio
Events Manager - Education



Thierry Hoppe
Office & Finance Manager



Maria Kantziari
Communications Manager



Visi Navarro
*Events Manager - Training Courses
& Exams*



Nikolaos Nikolaidis
Web & IT Systems Manager



Prodromos Nikolaidis
Projects & Operations Manager



Anna Rek
*Development & Corporate
Relations Manager*



Maria Thomaidou
Projects Assistant

Congress Team



Despoina Amarantidou
Director of Projects and Operations



Kelly Angelaki
Scientific Programme Coordinator



THE EUROPEAN ASSOCIATION
OF NEUROSURGICAL SOCIETIES

EANS

Annual Report 2023

Sections Yearly Reports



EANS ACADEMY



EANS
Foundation



THE EUROPEAN ASSOCIATION
OF NEUROSURGICAL SOCIETIES



EANS2023
Barcelona

Section of Cerebrospinal Fluid (CSF)



The EANS CSF Section is actively participating in a wide variety of activities, events, and outputs. It involves not only adult and pediatric neurosurgeons and neurologists, but also aspiring neurosurgeons from all stages, including medical students and neurosurgical trainees.

The CSF Task Force was established six years ago with the aim of setting higher standards of excellence in the care of patients suffering from Cerebrospinal Fluid Disorders through consultation, education, innovation, and standardisation. Within just one year, it grew to 140 members from 40 countries and was upgraded to a Section during the EANS22 Annual Congress in Belgrade.

Contributions to the EANS by the united, inclusive, merit, and effort-based ethos, led by its chair, Mansoor Foroughi, and assisted by panel members, resulted in:

- A total of 19 webinars on the CSF specialty covering topics such as Hydrocephalus classification, basics of CSF diversion techniques, NPH, Neuroendoscopic surgery, Chiari Malformation, CSF dynamics, and ICP monitoring.
- Support and delivery of the foundations of a new classification for Hydrocephalus, led by the world-class and outstanding team of Ahmed Ammar, Marianne Juhler, Harold ReKate, and Andre Grotenhuis. We congratulate the ASPECT team for the acceptance of the publication of the hydrocephalus classification on November 9, 2022.
- Furthermore, guidelines for the management of Idiopathic Intracranial Hypertension (by George Tsermoulas & Susan Molan) and spontaneous Intracranial hypotension (led by Prof Jurgen Beck) are being developed.
- Expert panel discussions and teaching in the Management and controversies in Chiari Malformation and Syringomyelia (Prof Marcus Stoodley, Andrew Brodblet, and Paolo Bolognese), SIH, IIH, NPH, and Neuroendoscopy.
- Development of a Student and Trainees group with the creation of the CSF section Logo, web pages for education, X (former Twitter) notifications, CSF library project, and patient information material. Thanks to the leading role of Saniya Mediratta, supported by Soham Bandyopadhyay and Roisin McNicholas.
- The development of the Neuroendoscopy panel and subspecialty with Henry Schroeder and Ahmed Zohdi.
- We express our gratitude to the entire team for their support and confidence in the vision and plans that have brought us to this point!



Mansoor Foroughi

2021-2023 Section of CerebroSpinal Fluid Chair

Section of Functional Neurosurgery



The EANS Congress held in Barcelona in 2023 featured a carefully curated program developed in collaboration with the Scientific Committee, EANS Scientific Liaison Prof. Thome, and the local Organising Committee led by Dr. Cristina Torres Diaz. The lectures were distributed across one plenary session on Epilepsy Surgery, two parallel sessions covering Epilepsy Surgery and DBS, and one Masterclass on Epilepsy Surgery, making up a full day of the congress. Renowned European neurosurgeons specialising in Functional Neurosurgery were invited to speak, some chosen by the Section, and others proposed by European National Scientific Societies. A significant milestone in the last few years for the Functional Section was the establishment of a cooperation with the European Society for Stereotactic and Functional Neurosurgery (ESSFN), led by President Prof. Antonio Goncalves Ferreira. A joint Congress Satellite Symposium, now in its third year, took place on the first day of the EANS Congress. This symposium, held on September 24, 2023, was accessible to all EANS Congress participants. Featured lectures included topics like an anatomical study on the Anterior Nucleus of Thalamus, Gamma Knife thalamotomy for chronic neuropathic pain, focused ultrasound for the treatment of functional brain disorders, DBS for tinnitus, and endoscopic and radio-frequency ablation techniques for hemispherotomies. Regarding publications, the Functional Section's members submitted four papers to B&S in 2023, with one already accepted and two undergoing review, including a consensus paper. These papers cover various aspects of Functional Neurosurgery, from hemispheric disconnection procedures in epilepsy to the use of directional Deep Brain Stimulation Electrodes and the current state of traditional and minimally invasive epilepsy surgery approaches. The Training Course & EANS Academy Subcommittee actively contributes to the EANS Academy Committee. In 2023, three Board Members, Tom Theys, Marie Krüger, and Olaf Schijns, participated as faculty teachers during the Functional Neurosurgery training course in Porto, Portugal, from August 20 to 24. The subcommittee also strives to organise webinars approximately three to four times per year. The next ESSFN hands-on course is scheduled for February 2024, and it will involve the participation of various members from the Section Panel. The intention is to initiate these courses under the umbrella of the EANS, working closely with the ESSFN in a collaborative effort starting from 2024 onward. The international collaboration efforts of the Functional Section expanded to include collaboration with the Functional Section of the American Association of Neurological Surgeons (AANS). This collaboration explores opportunities for joint educational activities and clinical research projects. Additionally, collaboration with the European Association of Neurology (EAN) involved Section Panel members (Karl Rössler, Kostas Fountas and Lorand Eröss) participating as guest lecturers in EAN congresses (2022, 2023). The Newsletter/Website Subcommittee focused on communicating news about upcoming courses in Functional Neurosurgery, relevant publications from section members in collaboration with the International and ESSFN committee and opportunities for observerships, fellowships, and scholarships in Functional Neurosurgery within and outside Europe. In 2023, the Observership in Functional Neurosurgery Subcommittee was established to detail the setup of a European Functional Neurosurgery observership, starting initially in the hospitals of the Section's Panel members. This initiative is conducted in close cooperation with the EANS office/director and the Board.



Olaf Schijns

2021-2023 Section Functional Neurosurgery Chair

Section of Neuro-Oncology

The EANS Neuro-Oncology Section has been at the center of many activities in the field of surgical neuro-oncology in 2021-2023. This includes the establishment of a webinar series, the publication of a Section newsletter, organising meetings, and engaging in guideline work and research activities.

A joint EANS/EANO working group was formed and its inaugural meeting was held in December 2023. The group is currently working on a guideline addressing the question of the optimal Extent of Resection in Glioma Surgery. There is confidence that this project will be a success and will be followed soon by work on a second guideline tackling issue related to the use of Adjunct Technologies in Glioma and Brain Tumour Surgery in general.

Pre-Congress neuro-oncology events have become a regular feature of the Annual EANS Congresses covering topics such as the Management of Recurrent Gliomas in 2022 and Rare Tumours & Neuro-oncology in the Elderly in 2023. Another important achievement was the integration of joint EANS/EANO sessions in the Annual EANO Conferences. The EANS Neuro-oncology Section will also join its US counterpart, the AANS/CNS Tumour Section, in 2024 for a first joint session at the AANS congress in Chicago, with plans for a reciprocal event at the EANS2024 Congress in Sofia.

Research plays a prominent role in the EANS Neuro-oncology Section's agenda. The section has conducted a survey within the EANS community concerning what constitutes expertise in surgical neuro-oncology. The survey results will be published in 2024. Another recently launched project involves studying the role of Repeat Surgery for Locally Recurrent Brain Metastases and all EANS members have been invited to contribute cases to a multi-center cohort which will form the basis of our investigation. Additionally, the Section will engage in another multicenter research effort: Surgery for Distant Glioblastoma Recurrences. Further projects include a systematic review and meta-analysis of Insula Glioma Surgery.

The years 2021-2023 witnessed many activities and the EANS Neuro-Oncology Section will carry on with this momentum in 2024.



Matthias Simon
2021-2023 Section of Neuro-oncology (Tumour) Chair



Section of Pediatric Neurosurgery

The mission of the Pediatric Section is to bring the specificity of Pediatric Neurosurgery into the spotlight for all European neurosurgeons, transfer knowledge about pediatric neurosurgery to adult colleagues and provide support for adult neurosurgeons in this field. The active work of the Pediatric Section led to a significant increase in its members from 78 in 2021 to 188 in 2023.

A key focus was planning sessions for the EANS2023 Congress, resulting in the organisation of three successful scientific events:

- Parallel session on Deep-seated Midline Brain Tumors in Children and Adults (Joint Pediatric & Neuro-oncology Section).
- Parallel session on Complications in the Hydrocephalus Treatment (Joint Pediatric & Hydrocephalus).
- Masterclass on Stroke in Children (Joint Pediatric & Vascular).

All these sessions were very successful and attracted many participants. On top of that, the Pediatric Section actively contributed to the review of over 150 abstracts for the Congress. The number of webinars increased from 1 in 2022 to 4 in 2023. The topics were devoted to "Syringomyelia at different ages" (with CSF Section); "Vascular pathology in children quite differs from adult one!" (with Vascular Section); "Gliomas in adults and children: is it the same disease?" (& Neurooncology) and "Treatment of cerebral palsy" (& Functional). Each webinar attracted more than 200 participants. In a year, the webinars expanded from a single session in 2022 to a notable series of four in 2023. These sessions delved into diverse neurosurgical topics, each accompanied by different Sections. The themes covered were as follows: "Syringomyelia at Different Ages" (with EANS CSF Section), "Vascular Pathology in Children: A Distinct Perspective" (with EANS Vascular Section), "Gliomas in Adults and Children: Is it the Same Disease?" (with EANS Neuro-oncology Section) and "Treatment of Cerebral Palsy" (with EANS Functional Section). Impressively, each of these webinars attracted an audience exceeding 200 participants, reflecting the growing interest and engagement in these crucial discussions.

The Section played a crucial role in the development of guidelines, including "Transition Medical Care in Hydrocephalus." The working group conducted relevant literature reviews and developed initial statements regarding the overall concept of transitioning pediatric patients with chronic conditions to adult care. The group also reviewed the pediatric hydrocephalus literature to investigate the barriers of transition, models of success, and specific elements required in a transition policy. The guidelines were developed and submitted to the Guidelines Committee. Another set of guidelines is "Emergencies in Pediatric Neurosurgery – Part I: Acute Obstructive Hydrocephalus." During the development process, it became clear that Level I-IV evidence was insufficient to fully support the proposed recommendations. In response, the initial group decided to utilise a modified Delphi process. This approach aimed to capture their combined expertise and experience, drawing on published evidence whenever possible. The draft was submitted to the Task Force. Pediatric Section Members Meetings were held in January 2023 and during Congress were devoted to discussing Section activities in 2023 and presenting the final report for this year. Pediatric Section Board Meetings were arranged regularly every two months.



Sergey Gorelyshev

2021-2023 Section of Pediatric Neurosurgery Chair

Section of Peripheral Nerve Surgery (PNS)

In 2023, the Section of Peripheral Nerve Surgery (PNS) continued its efforts in organising scientific and educational activities, along with a series of business meetings and webinars. A special issue on Peripheral Nerve Surgery in "Neurological Research" was published. Additionally, in collaboration with FLANC and strongly supported by EANS, we organised the first Theoretical and Practical Course on Peripheral Nerves and Brachial Plexus Surgery, which was held in Rio de Janeiro, Brazil, in March/ April 2023. The next meeting will take place in Germany in late 2024.

During the EANS Annual General Meeting in Barcelona, Christian Heinen was unanimously re-elected as the Section Chair for 2 more years. We established a fruitful cooperation with EANS Frontiers.

During the EANS2023 Barcelona Congress, we successfully organised the third well-received Pre-Congress Course on PN Surgery. The adapted program received high appreciation strengthening our efforts to continue this activity.

Most of the PNS section members have extensively published in various journals (see PubMed search). As a group, the following was published in Neurosurgery:

Rochkind S, Ferraresi S, Denisova N, Garozzo D, Heinen C, Alimehmeti R, Capone C, Barone DG, Zdunczyk A, Pedro MT, Antoniadis G, Kaiser R, Dubuisson A, Pondaag W, Kretschmer T, Rasulic L, Dengler NF. Thoracic Outlet Syndrome Part II: Consensus on the Management of Neurogenic Thoracic Outlet Syndrome by the European Association of Neurosurgical Societies' Section of Peripheral Nerve Surgery. Neurosurgery. 2023 Feb 1;92(2):251-257. doi: 10.1227/neu.0000000000002232. Epub 2022 Dec 6. PMID: 36542350.

We initialized our EANS guidelines collaborated work with McMaster, gearing up for an in-depth dive in 2024.

The PNS group extends its gratitude to EANS for its ongoing support and excellent cooperation.



Christian Heinen
2021-2023 Section of Peripheral Nerve Surgery Chair

Section of Radiosurgery

In September 2023, the Section organised a joint EANS-ESSFN Course in Neuro-Radiosurgery as a part of the EANS ESSFN European Diploma of Radiosurgery. The course took place during the ESSFN meeting in Stockholm from September 27-30.

The EANS ESSFN European Diploma of Radiosurgery session covered various topics such as a historical perspective, volumetric response definition of cure/failure, hearing preservation, surgery after Radiosurgery, SRS for NFII patients, Linacbased VS SRS and role of fractionation, oncogenetic risk, combined approaches, and quality of life after SRS or MS.

The next part of the Course will take place in EANS Sofia Congress and its organisation will be passed to the new Chair of the Section. The 2024 Course will focus on the treatment of Brain Metastasis.

The Section took part in organising the EANS 2023 Barcelona meeting. Additionally, the EANS Functional Section Panel and the ESSFN Board organised a 3rd Joint Functional Neurosurgery Symposium on the first day of EANS 2023 in Barcelona. The Radiosurgical Section was present with a lecture on Gamma Knife thalamotomy for chronic neuropathic pain.

A Masterclass with the Skull Base Section was organised during the EANS 2023 Barcelona focusing on "Hearing Preservation in Vestibular Schwannomas: Surgical and Radiosurgical Nuances". The presentations and discussions were very successful, and after this occasion, a speaker was invited to present at the ICRAAD Skull Base 360° in Strasbourg in January 2024.

In September a new Chairman, Kita Sallabanda, was elected, and all the information and projects were transferred to the Chairman for 2024-2025.



Piero Picozzi

2021-2023 Section of Radiosurgery Chair

Section of Skull Base Neurosurgery

The EANS Skull Base Section comprises internationally recognised experts dedicated to promoting the teaching of the discipline through various means. Over the past year, the Section has provided a platform for education and research on skull base pathologies through a range of activities. As is customary each year, the Section actively participated in the elaboration of the EANS Annual Congress.

Well-attended monthly webinars covered various encountered pathologies and the multiple available surgical approaches, offering detailed insights into anatomy, technical aspects, and the management of potential complications. Specifically, the webinars that were held were on the Pterional Approach, Anterior Clinoidectomy, Orbitozygomatic Approach, Anterior Petrosectomy, Orbito-zygomatic, Surgeries around the Anterior Petrous Apex, Posterior Petrosectomy, Craniocervical Junction, access to Meckel's cave and Endoscopic-assisted Microsurgical Approaches.

The section was very active in writing consensus papers and meta-analyses focusing on the management of numerous skull base pathologies. In the term 2022-2023, 12 articles were published in the Brain & Spine journal. In addition to these different activities, the Section initiated the coordination of several multicenter studies at the European level, focusing on the invasive character of Meningiomas (INVADER study coordinated by Marcos Tatagiba, Tübingen), Craniopharyngiomas (coordinated by Emmanuel Jouanneau, Lyon) and Anterior Midline Meningiomas (coordinated by Michaël Bruneau, Brussels).

Furthermore, two cadaveric courses were organised in Lyon, France, by Emmanuel Jouanneau and Düsseldorf, Germany, by Jan Frederic Cornelius to complement theoretical teaching with practical instruction. The Section members also actively participated in the cadaver course organised in Liège, Belgium, by Gilles Reuter and in the Meet the Masters Symposium organised in Waterloo, Belgium, by Michaël Bruneau in September 2023 and endorsed by the EANS.

During the EANS2023 Annual Congress in Barcelona, Pr Daniel Roy (Lausanne, Switzerland) was elected during the AGM as Chairman of the Section for the next term 2023-2025.



Michaël Bruneau

2021-2023 Section of Skull Base Surgery Chair

Section of Spinal Neurosurgery

Over the last years, the EANS Section of Spinal Neurosurgery has successfully organised educational courses aimed at enhancing knowledge and skills in advanced spinal surgery. The EANS Advanced Spine Course Part II focused on complications and revisions (26-28 November 2023, Edinburgh). Looking ahead to 2024, plans are underway for further EANS advanced spine courses.

In addition to the educational courses, the Spine Section co-hosted a Spring Summit on Spinal Tumors and Infections together with Eurospine (31 March-1 April 2023, Budapest).

Further educational activities included webinars on topics such as “Low-grade Implant-associated Infections”, “Timing in the Treatment of Lumbar Disc Herniation”, “Craniocervical Junction Abnormalities in Metabolic Syndromes” and “Big Data, Predictive Modelling and Ageing Biomarkers in Adult Spinal Deformity”.

The Spine Section actively participated in Joint sessions at various congresses such as the Swiss Neurospine Meeting (16 March, Berne) and the Global Spine Congress (31 May-3 June 2023, Prague).

In a joint effort between the EANS and Eurospine, an application for UEMS certification for the subspecialty of spine surgery is being prepared. The European training requirements have already been defined and the exam is currently being drafted.

The Spine Section’s scientific initiative on de novo spinal infections is publishing a group of papers on the epidemiology, variability and treatment of spinal infections. The results of the study group were presented during the EANS Congress in Barcelona. Further research projects of the section have been initiated related to spinal infections, metastatic spine disease, and intramedullary pathologies.

To keep members of the Spine Section informed an Instagram account was opened. Please follow us at @eans_spinesection.

At the Barcelona Congress, there were several parallel sessions as well as a plenary dealing with important everyday topics. In addition, during the Sunday Symposia Day the Section hosted again the Joint Spine Societies Symposium.



Florian Ringel

2021-2023 Section of Spinal Neurosurgery Chair

The EANS Trauma and Critical Care Section

The Trauma and Critical Care section (TCC) is a vibrant community of neurosurgeons with a special interest in neurotrauma that particularly aims to reach out to the general neurosurgical community because neurotrauma is at the heart of every neurosurgical practice.

At the Barcelona Congress program, neurotrauma was represented with topics that were of importance to all of us, such as decompression techniques, post-traumatic hydrocephalus, and challenges in TBI in the elderly population. Besides the promotion of high-level neurotrauma research and its involvement in several international networks, it is in the mission of the TCC to summarise evidence and bring it to the field.

A consensus statement on the management of TBI in the elderly is being prepared as well as a guideline on the timing to (re)start antithrombotic drugs after TBI. Also, keep an eye on the TCC webinars through the EANS portal and the TCC newsletters. On February 21 to 23 2024, the 4th TCC Neurotrauma Update meeting was planned by the Section in Madrid with Alfonso Lagares and Ana Maria Castano Leon as hosts.. It will include a neurotrauma Crash Course to enable a boost to those who want to update their trauma knowledge. The TCC section is a nice blend of established experts and young colleagues and would love to welcome you in its circle. Don't hesitate!



Bart Depreitere

2021-2023 Section of Neurotrauma and Critical Care Chair

Section of Vascular Neurosurgery

The EANS Vascular Section supports neurosurgeons that are involved in the management of neurovascular diseases in Europe. Currently, we are aiming at advancing European-wide patient care, research, and education in the area of neurovascular diseases of the brain and spine, and strengthening the political position of European neurovascular surgery.

One of our main activities was to organise and hold the Section Meeting in Marseille at the same time as the endovascular ESMINT Meeting took place. The two-day event featured scientific and clinical presentations. Despite the location change, the event gathered speakers and an audience of more than 100 participants. The scientific level was excellent and together with colleagues from the Congress of Neurological Surgeons, we had fruitful discussions and an open exchange.

A primary focus was and will be the support of education and activities to grow endovascular competences for neurosurgeons. The Section believes that neurosurgeons will play a major role in minimal invasive treatments in the future, extending beyond cerebrovascular diseases. As treatments become less invasive, access to diagnostic tools like CT, MRI, or angio suites is crucial to transforming them into therapeutic tools for treating neurosurgical patients.

The Section continues to organise webinars for the most relevant topics. Moreover, a new activity was launched in collaboration with EANS, the peerforpeers project (<https://peersforpeers-neurosurgery.org/>). Founded by EANS members to help their peers find the most impactful articles: practice changers, educational highlights or other publications that contribute to the future textbook knowledge in their field. In the vascular part of peersforpeers, about 30 experts of vascular topics reviewed around 9000 articles published from January 2022 onwards, identifying 3 potential practice changers and 60 articles rated as very influential. The peersforpeers project will be expanded to other topics and sections during 2024.



Andreas Raabe

2021-2023 Section of Vascular Neurosurgery Chair



THE EUROPEAN ASSOCIATION
OF NEUROSURGICAL SOCIETIES

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Committees Yearly Reports



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OF NEUROSURGICAL SOCIETIES



EANS2023
Barcelona

The Diversity in Neurosurgery Committee

Established in September 2019 as a Task Force, and in 2022 as a Committee the Diversity in Neurosurgery Committee emerged with a mission to shatter the glass ceiling and champion inclusivity in European Neurosurgery. Dedicated to creating an environment where neurosurgeons of all genders, religions, sexual orientations, and backgrounds can flourish, the Committee focuses on identifying and systematically addressing barriers hindering career advancement. The committee successfully finalised contracts with Optune/Novocure® and ESMT Berlin for the Diverse Leaders Award, aimed at fostering diverse leadership. In 2021, two winners were selected; however, the second awardee couldn't attend. A decision was made to credit the second awardee for an EANS event and reallocate funds for a 2024 scholarship, with OssDsing generously providing €1500 to cover increased fees from ESMT. The Committee oversees the "Diverse Leaders in Neurosurgery – Inspiring Europe" online repository on the EANS website, showcasing biographies of trailblazers who have transformed European Neurosurgery. The repository is up and running, several current and historical diverse leaders have been uploaded. Additionally, negotiations with the Editor in Brain&Spine there are negotiations with the Editor of Brain & Spine towards a potential Special Edition on Diversity and Safety for 2025. As in previous years, the Committee hosted an attractive parallel scientific session at the annual EANS conference in Barcelona, which was well-received by attendees.

Regarding the publications there were four significant ones:

WG Women in European Neurosurgery: Weiss M, Dogan R, Jeltrema HR, et al. Women in leadership positions in European neurosurgery - Have we broken the glass ceiling? Brain Spine. 2023;3:101777.

WG People of Color (POC)/Minorities (URM) in European neurosurgery: Saeed F, Ilic T, Haq M, et al. Representation of minorities in European neurosurgical leadership. Brain Spine. 2023;3:101788.

Challenges for People of Color/Minorities in Neurosurgery: A survey has been launched, with reminders to be sent.

WG Parenthood and Neurosurgery: Two "White Papers on Parenthood and Neurosurgery in Europe" were successfully submitted for publication in Brain and Spine: Brain Spine. 2023 Dec 8;4:102717 - Brain Spine. 2023 Nov 2;3:102690

LGBTQ+ community in European neurosurgery: The Committee has contacted the Association of Out Surgeons and Allies, an American initiative that supports LGBTQ+ surgeons of all specialties to collaborate on projects and pledge their commitment to equality. Additionally, a historical paper on neurosurgeons and LGBTQ+ activism is being drafted. In 2023, the Diversity Committee aimed to craft a comprehensive DC Declaration, encompassing a mission statement and outlining the structural facets of the committee. Simultaneously, the DC had plans to host webinars; unfortunately, these initiatives were not completed. In spite of that, the committee is eagerly anticipating the opportunity to achieve these objectives in the upcoming period. The Diversity Committee welcomes all individuals to join and contribute to advancing the challenging profession of neurosurgery in an equitable manner.



Silvia Hernández-Durán
2021-2023 Diversity in Neurosurgery Committee Chair

The EBNS - Exam Committee

The European Board of Neurological Surgery (formerly the Joint Examination Committee of the EANS and UEMS), is responsible for running both Part I (written) and Part II (oral) of the European Board Examination in Neurological Surgery. The Examination Committee consists of 31 international examiners. During this year the Committee rigorously worked on maintaining the high standards of the exams and continued to update the questions bank with new clinical scenarios. In 2023, the Committee conducted face-to-face Exam Part I at all EANS Training Courses (Istanbul, Thessaloniki, Porto) and already traditional Oral Exam Part II, in Barcelona, which in 2023 attracted a record in the history of EANS number of candidates from 27 countries. A survey of candidates and examiners collected feedback on the quality and format of the exams. The Exam Committee previously developed a curriculum called "European Training Record, ETR" - to provide a framework for member countries and trainees to use, to guide the delivery of neurosurgical training.

Training is divided into 3 stages:

Stage 1 - development of diagnostic and ward-based skills in specialties relevant to neurosurgical practice. Acquire basic surgical skills (Indicative duration 1-2 years).

Stage 2 - acquisition of emergency operative skills and development of technical skills required for elective neurosurgery in adults and children. Consolidation of clinical skills including managing uncertainty. (Indicative duration 3-5 years).

Stage 3 - development of advanced transferable microsurgical and specialty interest skills. (Indicative duration 1-2 years). Evidence of ability to seek support and assistance from colleagues, particularly in relation to complex decision-making.

At the end of the training, the trainer should be confident to entrust the trainee to undertake

5 Entrustable Professional Activities (EPAs) that are embedded in the curriculum:

Inpatient care, Outpatient care, Emergency on-call neurosurgery, Elective operative neurosurgery (including advanced skills in one or two special interest areas), Participate in multidisciplinary team working.

By the end of the training, the trainee should be developing leadership skills and conducting work to improve the quality of care. The Committee encourages all surgeons to continue learning and working collaboratively after the completion of training.



Peter Whitfield

2021-2023 EBNS Exam Chair

The Ethico-Legal Committee

The Ethico-Legal Committee has completed a number of activities during 2023, continuing to address several ethical issues, providing guidance to the Board and various Committees/Sections.

This year the committee completed a review of EANS bylaws from an ethical perspective and recommended changes to the Board.

Throughout the year, the Committee organised breakout sessions at the various educational courses, focusing on ethical and legal issues, particularly complex ethical cases arising in day-to-day clinical scenarios. These sessions were welcomed by course participants, allowing them to engage in broad discussions enhancing their understanding of ethical issues that arise in everyday clinical neurosurgical practice.

We were pleased to publish part one of our study “Ethico-Legal Regional Differences in European Neurosurgical Practice: Part 1-pre-COVID-19” last year and continued to work on the second part, post covid, which should be ready for publication in 2024. The study aims to look at the implementation of ethical guidelines and regional differences in neurosurgical practice in 29 European countries and compare pre and post-experiences.

During the EANS Annual Congress in Barcelona the Committee organised and delivered a parallel session on “Ethics of Waiting List Management and Resource Allocation”. The session was well received.

The Committee would like to wish the incoming Committee every success for the next term of 2023-2025.



Ciaran Bolger

2021-2023 Ethico-legal Committee Chair

The Frontiers in Neurosurgery Committee

Inaugurated in 2021, the EANS Frontiers in Neurosurgery Committee emerged as a response to an observed waning influence of neurosurgeons in select areas of specialty practice, termed “frontiers.” These include intersections with neighboring specialties such as interventional neuroradiology, ENT and plastic surgery, and radiooncology. The committee is dedicated to strategically amplifying the role of European neurosurgeons in cutting-edge sectors such as pain management, peripheral nerve surgery, orbital interventions, radiosurgery, high-intensity focused ultrasound, and neuroendovascular techniques.

In 2022, the committee enhanced its digital footprint to effectively communicate its mission. A cohesive action plan was articulated, with an initial emphasis on early-career neurosurgeons – an imperative move to ensure these nascent professionals are well-equipped with the requisite knowledge, tools, and mentorship across the multi-faceted landscape of modern neurosurgery.

In parallel, the committee has forged alliances with existing EANS sections, optimising the scope and reach of our collective efforts. Through symbiotic engagements with other EANS sections and the EANS Young Neurosurgeons Network, the committee is in the process of formulating a comprehensive strategy that caters not just to those entering the field, but also enhancing the practices of seasoned neurosurgeons.

Furthermore, a systematic electronic survey of European centers and experts is underway, aimed at constructing an online, navigable compendium of educational, fellowship, and research prospects in each frontier sector. This resource, hosted on the EANS website, is designed to serve as an invaluable repository for neurosurgeons seeking targeted training and fellowship pathways.

Through these measures, the committee strives to fortify the domain of neurosurgery, ensuring its sustained advancement and relevance across all frontiers.



Jean Regis
2021-2023 Frontiers in Neurosurgery Committee Chair

EANS Global and Humanitarian Neurosurgery Committee

What we do today not only influences neurosurgery now but will also resonate worldwide in the future! Members of the EANS Global and Humanitarian Neurosurgery Committee gathered in 2021 around the idea they could benefit humanity, collectively or individually, aiming to achieve and safeguard high standards of clinical care, access, safety, professionalism, and quality improvement for neurosurgery worldwide.

All interventions of the Committee are designed to increase capacity, strengthen the quality of surgical training and empower the local workforce to deal with neurosurgical issues. In the last two years, this Committee raised several initiatives that could help improve the education, timeliness, safety, and affordability of neurosurgical care to all who need it. Some of the activities were:

- Development of the pre-congress, plenary, masterclass, and parallel sessions for the EANS 2022 Belgrade and EANS 2023 Barcelona Congresses
- Creation of the Brain and Spine Special Issue and numerous paper publications
- Three free full-tuition scholarships were awarded to colleagues from LMICs for the International Master in Surgery of CranioVertebral Junction at the Catholic University of Rome
- Participation in the COSECSA exams in Namibia, CAANS Congress in Nairobi, the 9th course on Global neurosurgery in Tanzania
- The 1st EANS GHC Vascular & Skull Base Hands-on Course in East Africa delivered in November 2023
- Participation in working groups within the European collaboration of people interested in Global Surgery, and the Global Neurosurgery Workforce study
- The foundation of the hands-on lab in Western Ukraine
- Participation in neurosurgical missions in Africa and numerous European and worldwide events and activities
- A survey on identifying centres willing to donate equipment to LMICs, and centres ready to enter into twinning programs with LMIC departments while giving them affordable conditions for observerships/fellowships, creating educational content, organising surgical missions, etc.

The surveys resulted in:

- Network of Visiting Fellowship across Europe
- Flowchart of EANS GHC-supported and coordinated activities related to the Ukrainian crisis
- The survey on Global Neurosurgery interest, opportunities, and barriers: the LMIC's point of view and two free EANS memberships awarded to selected respondents

For the period ahead, numerous activities are already foreseen, including the creation of the database of the Global neurosurgery initiatives, the EANS/CAANS Collaboration initiative, and many more.



Lukas Rasulic

2021-2023 Global and Humanitarian Neurosurgery Committee Chair

The Individual Membership Committee

The Individual Membership Committee has been set up to develop the Individual Membership of the EANS. Its members are those elected by the body of current Individual Members of the EANS and act as its representatives in the Executive Committee of the EANS. The Individual Members Committee is a group of 40 Individual Member Delegates who work together to best represent and support all individual neurosurgeons within the EANS.

The Committee is proud to consider itself a vivid team of neurosurgeons, acting straightforward for improvements, and respecting the diversity of ideas, origin, background, and gender.

The IMC has been responsible for the growth and development of the EANS Community, running projects like webinars, Dura, and the EANS Podcast on What keeps neurosurgeons up at night. These are some of the activities that the team has worked on during the past year and is also running several working groups such as Membership Benefits, Case Platform, Guidelines & Publications or Social Media.

By December 2023, 122 webinars have been organised, featuring contributions from the majority of Sections and Committees. These webinars, held on Wednesday afternoons/evenings gathered significant attendance and can be watched again on YouTube. Due to their remarkable success, the webinars were expanded to selected Thursdays as well.

The first season of “Dura”, the EANS Podcast on “What keeps neurosurgeons up at night” was also met with success, with listeners from all over the world on platforms like Spotify and Google Podcast. A second season is in the making and will be launched at the beginning of 2024.

The social media working group has been working on enhancing communication among individual neurosurgeons through Facebook, Instagram, Twitter, and LinkedIn. Furthermore, this working groups has successfully prepared and launched the Social Media Survey that is currently collecting responses amongst EANS Community.

In conclusion, the IM Committee has worked hard to create a positive community for individual neurosurgeons. The IM Committee hopes to make the EANS individual membership attractive and appealing for both current and new members.



Marike Broekman

2021-2023 Individual Membership Committee Chair

The JTAAC Committee

The Joint Training Advisory and Accreditation Committee (JTAAC) is a joint committee of the EANS and the UEMS, whose primary aim is to improve the quality of neurosurgical training programmes throughout Europe by acting as a pan-European accreditation and monitoring body.

The work of JRAAC JTAAC is based on the guidelines set out in the European Neurosurgical Training Charter.

The last JRAAC meeting took place during the EANS meeting in Belgrade on 17 October 2022. It was unanimously decided to change the name from JRAAC (Joint Residency Advisory and Accreditation Committee) to JTAAC (Joint Training Advisory and Accreditation Committee).

At the moment, 20 units hold full accreditation, and 3 units a provisional accreditation which need re-assessment. Barcelona/Spain and Usti nad Labem/Czech Republic are two new departments on the list of fully accredited units. Brno/Czech Republic, which has had a provisional status so far, has also received full accreditation. There were no new applications in 2023. However, seven units will be invited for reaccreditation in 2024.

It was also suggested to expand the board by a member of the Young Neurosurgeons Committee and an invitation was extended for the JTAAC meeting at the EANS Congress in Barcelona.

JRAAC is up to date on all applications for accreditation and requests for re-accreditation.



Eberhard Uhl

2021-2023 JRAAC Committee Chair

The Research Committee

The EANS Research Committee currently consists of 12 members from 11 countries. In June 2023, the EANS Research Course was held in conjunction with the EANS Young Neurosurgeons Meeting in Madrid, Spain. The event saw 22 registered participants and received highly positive evaluations. The Aesculap EANS Research Prize competition received an impressive 45 papers/applications in 2022. The submissions were divided into two categories: Laboratory and Clinical. Each category had a winner who received a prize of €5000 and an invitation to present their work at the EANS2023 Annual Congress in Barcelona during the Award Ceremony session.

The winners were:

Best Clinical Paper

Manina Etter (Switzerland): Severe Neuro-COVID is associated with peripheral immune signatures, autoimmunity and neurodegeneration: a prospective cross-sectional study.

Best Laboratory Paper

Kevin Akeret (Switzerland): MyD88-TLR4-dependent choroid plexus activation precedes perilesional inflammation and secondary brain edema in a mouse model of intracerebral hemorrhage.

Members of the Research Committee also actively participated in evaluating applications for the EANS Research Fund awards and abstracts for the congress.

During the EANS2023 Annual Congress, the Research Committee organised a dedicated Research parallel session.

In addition, the Chair of the Research Committee continued to serve as a European Brain Council Board member throughout 2023.

These achievements reflect the Research Committee's dedication to advancing neurosurgical research and promoting excellence in the field.



Aki Laakso

2021-2023 Research Committee Chair

The Training Committee

The European Training Courses in Neurosurgery, known also as EANS Training Courses, have long been one of the core activities and a major integrative force of the EANS, renowned for their excellence and long tradition.

In 2023, the Committee organised the following three Courses:

	Course Title	City, Country	Participants
January 22-25	EANS Training Course - Vascular	Istanbul, Turkey	225
May 14-17	EANS Training Course - Tumour	Thessaloniki, Greece	230
August 20-23	EANS Training Course - Head Injury	Porto, Portugal	229

All the courses were highly successful, well received by the trainees, with high ratings and returning positive financial balances, thus allowing us to consider venues for upcoming courses that would be otherwise prohibitive in terms of cost. The courses for 2024 are scheduled with Winter (Tumour) in Edinburgh at the end of January, Spring (Vascular) in Copenhagen in May, and Summer (Spine) in Prague in September. The course content and delivery are constantly evolving with a closer collaboration with and input from the relevant EANS Sections. In addition, there is a gradual renewal of the Faculty with new TC national delegates, contributors from the Board and the Young Neurosurgeons Committee, as well as the EANS Sections.



Vakis Papanastassiou
2021-2023 Training Committee Chair



The Young Neurosurgeons' Committee (YNC)

The Young Neurosurgeons' Committee (YNC) supports European young neurosurgeons to develop leadership, research, communication and neurosurgical skills. It promotes early involvement of young neurosurgeons in EANS events and projects within the Committee structure but also in all other EANS activities. Working closely with the Board, it develops projects of interest for the youngest EANS members and recruits young neurosurgeons to participate in EANS annual scientific program, EANS Young Neurosurgeons Meeting program and other key committee activities. As we reflect on the past year, it has been a year filled with achievements and milestones across various domains. Our highest achievement was our contribution to the EANS scientific content, mainly focused on topics of interest for Young Neurosurgeons. We conducted 3 surveys and contributed to the scientific community with 8 publications, two of them awarded with "Best of the Month". Our team worked tirelessly, collecting and analyzing data, questions and literature to successfully write Extra Ventricular Device (EVD) guidelines, in collaboration with the Guidelines task force. We collected the main scores and designs from the sections and we classified them to create our own Pocket Cards. We also conducted our research collaboration project entitled "Multi-center registry trial on Quality and Outcome study in juxta-medullary tumors", recruiting 400 patients from 8 European centers to date. The results will be published in Brain & Spine Journal. Our social media increased YNC and EANS visibility, as it experienced significant growth in 2023. We increased our followers on Twitter/X, Facebook, Instagram and LinkedIn by an average of 35%. Our ability to connect with a wider audience and share our mission through social media was a major accomplishment in our annual activities and it allowed us to spread the content of our academy and journal. Two of our members are SoMe editors for Brain and Spine, highlighting our commitment to fostering innovation. Our committee conducted a "How to push your career" series of webinars, dedicated to the younger generation achieving an outstanding level of audience. Our annual meeting, held in June 2023 in Madrid, was a resounding success. Attendees participated in practical skills activities, meaningful discussions, networked, and collectively set ambitious goals. The feedback from attendees and faculties was great and the meeting laid the foundation for our future endeavors, emphasising collaboration and unity. We improved our communication with our EANS members by updating our website and creating an e-Learning platform. We gladly founded the Young Neurosurgeons Network (YNN) and the Mentorship program, attending to the needs of the future generations and working on giving them support and mentorship from the beginning. The YNN currently has 120 members and the MeNTOR program projects were successfully exposed in EANS Annual meeting, held in Barcelona. In conclusion, the year 2023 has been a year of growth, progress, and achievement for our committee. We successfully conducted webinars, surveys, publications, and guidelines. We undertook a significant research project, worked on Pocket cards, website and e-learning platform, founded Young Neurosurgeons Network and Mentorship program, held a productive YN Annual Meeting, and increased our SoMe activity. The best accomplishment was the creation of a strong team, committed to the EANS YNC Mission and Vision. These accomplishments would not have been possible without the hard work of our team, the support of the EANS Office and Board, and the enthusiasm of our community. We look forward to building on this success in the coming years, as we continue to pursue our mission and create a positive impact in EANS Young Neurosurgeons.



Marisa Gandia
2021-2023 Young Neurosurgeons' Committee Chair



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Task Forces



EANS ACADEMY



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EANS2023
Barcelona

Academy Task Force

The Academy Task Force has undertaken the task of expanding the Academy's content. This expansion includes incorporating video materials from various meetings and organising them based on education levels and topics. As a result, the EANS Academy now offers an extensive collection of teaching materials covering every neurosurgical subspecialty, with content categorised into basic knowledge for residents and advanced knowledge for young board-certified colleagues.

In doing so, the Academy has become a comprehensive educational resource for EANS members. Starting in 2022, Academy-exclusive content was also created to further enhance the learning experience.

We invite all EANS members to contribute high-quality video materials to enrich the educational resources available to fellow members. It's important to note that access to the EANS Academy's content is completely free for EANS members, and it can be conveniently accessed through a mobile-friendly website within the EANS web portal.

In a significant development, the EANS Academy Task Force has made progress in establishing collaboration with the Brain & Spine Journal, which resulted in an agreement with Wilco Peul for the Academy to host video submissions to B&S. Consequently, a dedicated Video Section will soon be integrated within our Journal.

Looking ahead, the Task Force has outlined the key priorities for the future, including constantly incorporating high-quality material from meetings, establishing cooperation with the Brain & Spine Journal for the B&S Video Section, advertising the Academy's content and promoting the Academy as an incentive for membership growth.



Sandro Krieg

2021-2023 Academy Task Force Chair

Emerging Technologies and Innovations in Neurosurgery Task Force

In 2023, the ETIN Task Force performed 5 webinars including a webinar on Neuroinformatics, neural networks, neurocomputers & related applications in neurosurgery, a webinar on How Digital Technology can shape Neurosurgery and an Engineer's perspective on the Neurosurgery present and future of spinal robotics, a webinar on Controversies of Innovation in Artificial Intelligence and Neurosurgery, a webinar on the Novel Applications of Machine Learning for Intraoperative Visualization and Live image-based neurosurgical guidance and roadmap generation, and a webinar on Peripheral Nerve Interface Strategies to Enhance Function After Limb Loss.

The Task Force also joined the International Master Meeting Spine and Friends (May, Napoli).

In February 2023 the Task Force applied to join the Health Technology Assessment (HTA) Stakeholder Network of the European Commission. In March it was approved and now EANS and ETIN TF are official partners of the European Commission.

In 2023 the Task Force participated in 3 HTA meetings:

The 1st HTA Network Meeting was the inaugural Meeting of the Health Technology Assessment Stakeholder (June, Brussels). This meeting marked the creation of a formal stakeholder body under the Health Technology Assessment Regulation (EU) 2021/2282. The 2nd HTA Network Meeting was titled From theory to practice - Implementing the EU Health Technology Assessment Regulation (September, Athens). The 3rd HTA Network Meeting (virtual) focused on the Consultation on the main concepts of the Commission implementing act on joint clinical assessment for medicinal products.

The newly established LinkedIn group ETIN has started to grow. It reached the first milestone of 100 members. The Task Force hopes that it will continue to grow and encourages all EANS members to join.



Nikolay Gabrovsky

Emerging Technologies and Innovations in Neurosurgery Task Force

EANS Guidelines Task Force

This is an ambitious project which aims at the building and development of long-term expertise in the development of clinical guidelines. Modern clinical guidelines represent a fusion of evidence-based data, a transparent multi-stage development process, methods of bias minimisation and adequate data visualisation with a focus on collecting clinically relevant recommendations.

The EANS Task Force in Guidelines Development (the EANS Guidelines Development Project) was formed by EANS President Andreas Demetriades and Board Member Nikolay Konovalov at the end of 2021. Its main aims are to develop a unified methodology for guidelines development in EANS; promote and govern the development of guidelines from all EANS Sections, Committees and Taskforces; and promote collaboration between EANS and other professional associations and organisations. To achieve this, we have partnered with an expert group from McMaster University, Canada, led by Professor Gordon Guyatt. The main goal of the guideline development process is to objectively evaluate all the data available on the topic of choice and keep the development process as transparent as possible. To this end, we decided to divide the development process into five general steps: Identification of Clinical Questions, Identification of Working Groups, Literature Search and Evidence Analysis, Formulation of Evidence-based Recommendations.

In 2023, in collaboration with Gordon Guyatt's expert team from McMaster University, a body of volunteer individual members was trained via a series of webinars on the methodology of guideline development, and on GRADE, the Evidence to Recommendations framework. Sections/Committees refined their topics of interest and worked both on consensus statements and guideline development

We were able to see to fruition the following now-published efforts:

1. A collaborative inter-society project with the World Society of Emergency Surgery on the *"Early management of adult traumatic spinal cord injury in patients with polytrauma: a consensus and clinical recommendations jointly developed by the World Society of Emergency Surgery (WSES) & the European Association of Neurosurgical Societies (EANS)."*
2. An inter-society collaboration of the Neurotraumatology Section of the Italian Society of Neurosurgery, the Italian Society for the Study about Haemostasis and Thrombosis, the Italian Society of Anaesthesia, Analgesia, Resuscitation, and Intensive Care, and the EANS, on the *"Management of Antithrombotic Drugs in Patients with Isolated Traumatic Brain Injury: An Intersociety Consensus Document."*
3. *"Endoscopic endonasal pituitary surgery: How we do it. Consensus statement on behalf of the EANS skull base section."*
4. *"Functional hemispheric disconnection procedures for chronic epilepsy: history, indications, techniques, complications and current practice in Europe. A consensus statement on behalf of the EANS functional neurosurgery section."*
5. *"Thoracic Outlet Syndrome Part II: Consensus on the Management of Neurogenic Thoracic Outlet Syndrome by the European Association of Neurosurgical Societies' Section of Peripheral Nerve Surgery."*

Several other projects are in progress and we look forward to their completion in the coming months.



Andreas Demetriades
Guidelines Development Task Force



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EANS Membership



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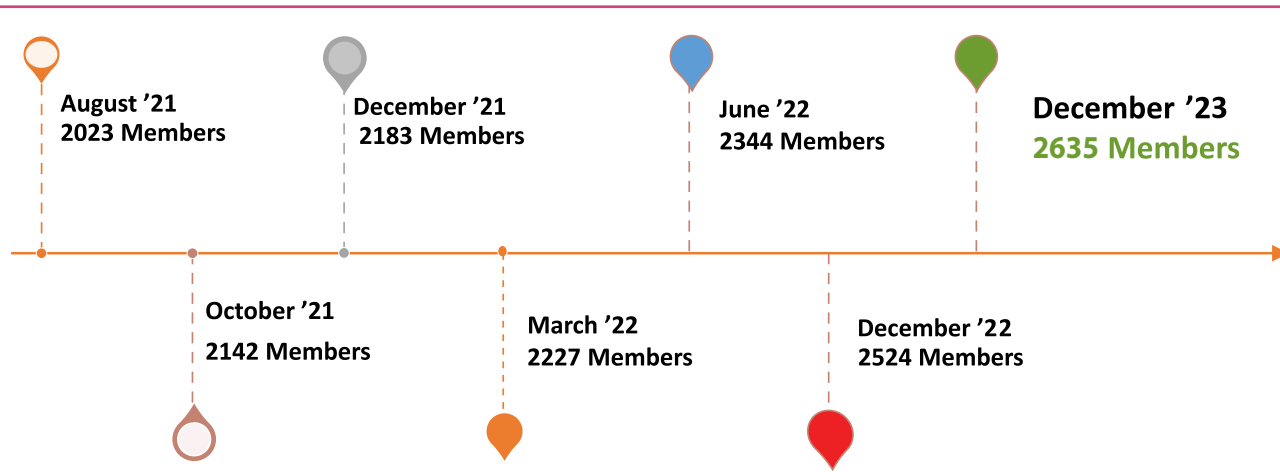
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Our Members

EANS Individual Membership lays at the heart of the EANS Community and the last couple of years the association reached the awaited number of 2500 Members. In 2021 its membership types were re-formatted, increasing the membership benefits and creating even more value in individual membership.

Trainees	1050
Full European Neurosurgeons	893
World Bank Low & Lower Middle Income Countries	224
International Neurosurgeons	181
Medical Students	144
International Trainees	55
Neurosurgery Related Professionals	38
Lifetime Senior	15
International Medical Students	25
Honorary	9
TOTAL:	2,635

excluding suspended members*
*those who are late with membership dues payment more than 3 months



All Active Members

Germany	475	Turkey	79	Czech Republic	32
Italy	203	Romania	71	Denmark	28
United Kingdom	174	Poland	66	Pakistan	27
Switzerland	139	India	57	Sweden	26
Belgium	112	Portugal	52	Egypt	25
Netherlands	97	Ukraine	49	Saudi Arabia	25
Austria	96	France	47	Hungary	24
Greece	95	Serbia	45	Finland	23
Spain	89	United States	44	Bulgaria	21

All Active Members

Mexico	20	South Africa	4	North Macedonia	1
Ireland	20	Moldova	4	Oman	1
Norway	19	South Korea	4	Uzbekistan	1
Croatia	18	Colombia	4	Benin	1
Lithuania	17	Macedonia	4	Paraguay	1
Israel	15	Bangladesh	4	Algeria	1
Jordan	14	Sri Lanka	4	Cameroon	1
Russia	12	Peru	4	Ghana	1
Georgia	12	Albania	4	New Zealand	1
Slovak Republic	12	Estonia	4	Zambia	1
Morocco	10	Belarus	4	Syria	1
United Arab Emirates	9	Nepal	4	Guatemala	1
Singapore	9	Bahrain	3	Thailand	1
Brazil	8	Chile	3	Vietnam	1
Japan	8	Ecuador	3	Northern Ireland	1
Australia	7	Kazakhstan	3	Yemen	1
Indonesia	7	Panama	3	Aruba	1
Canada	7	Taiwan	2	Guyana	1
UK	7	Uruguay	2	The Democratic Republic of the Congo	1
Qatar	7	Trinidad and Tobago	2	Azerbaijan	1
Latvia	7	Nigeria	2	Curaçao	1
Libya	6	Kuwait	2	Sudan	1
Hong Kong	6	Kenya	2	Maldives	1
Cyprus	6	The Netherlands	2	Myanmar	1
Armenia	5	Malaysia	2	Kosovo	1
Bosnia and Herzegovina	5	Tunisia	2	Hong Kong (China)	1
Malta	5	England	2	Nicaragua	1
Iraq	5	Argentina	2	Afghanistan	1
Montenegro	5	Slovenia	2	Lebanon	1
Luxembourg	4	China	1	Total;	2635
Jamaica	4	Iran	1		

Registered in 2023

Germany	117	United States	16	Ethiopia	6
United Kingdom	55	Belgium	15	Mexico	6
Italy	51	Denmark	14	Portugal	6
Turkey	46	Hungary	13	Jordan	6
India	31	Netherlands	11	Libya	6
Spain	29	Morocco	11	Czech Republic	5
Poland	26	Serbia	10	Singapore	5
Pakistan	26	Saudi Arabia	10	Indonesia	5
Switzerland	23	Sweden	10	Iraq	5
Austria	23	Norway	8	Brazil	4
Romania	19	Ireland	8	Peru	4
France	17	Georgia	8	Nigeria	4
Ukraine	16	Bulgaria	7	Nepal	4
Greece	16	Lithuania	6	Iran	3
Egypt	16	Israel	6	Algeria	3

Registered in 2023

Tunisia	3	Finland	2	Chile	1
Kenya	3	Moldova	2	Azerbaijan	1
Bangladesh	3	Hong Kong	2	Cyprus	1
South Korea	3	Cameroon	2	Senegal	1
Tanzania	3	Canada	2	Trinidad and Tobago	1
Latvia	3	Panama	2	China	1
Kazakhstan	3	Vietnam	1	Bosnia and Herzegovina	1
Colombia	3	Turkmenistan	1	Cuba	1
Jamaica	3	Malta	1	Guatemala	1
Croatia	3	Mongolia	1	Nicaragua	1
Syria	3	Hong Kong (China)	1	The Democratic Republic of the Congo	1
Uruguay	3	Australia	1	Slovenia	1
Armenia	3	North Macedonia	1	Paraguay	1
Argentina	2	Montenegro	1	Malaysia	1
Slovak Republic	2	Palestinian Territory	1	Venezuela	1
Myanmar	2	Japan	1	Sri Lanka	1
Qatar	2	United Arab Emirates	1	Sudan	1
Kosovo	2	Estonia	1	Belarus	1
Russia	2	Uzbekistan	1	Grand Total	833
Philippines	2	Albania	1		



EANS
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BRAIN & SPINE Journal



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Brain and Spine: Our Journal

**BRAIN
& SPINE**



On 10 April 2021 EANS, EUROSPINE and Elsevier signed a contract to establish **Brain and Spine**. Brain and Spine is **the official online, open-access, scientific journal of EANS and EUROSPINE** and is exclusively owned by the two scientific societies (50/50).

2021 was a very successful year for Brain and Spine. After the election of the two Editors-in-Chief (Wilco Peul and Frank Kandziora) by the Executive Committees of EANS and EUROSPINE, an outstanding editorial board consisting of 36 well-known scientists covering multiple disciplines was established.

The first Editorial was published on 19 July and the first original scientific article was online on 6 August 2021. Further, the abstracts of the annual meeting of EUROSPINE and EANS were published on 30 September. Out of the 94 submissions received till the end of the first year, 30 papers were accepted for publication, 2 editorials were published and 14 original articles online. As a result, the Journal was indexed in the "Directory of Open Access Journals" on 3 December 2021, after existing for only 4 months.

In April 2021, EANS, EUROSPINE, and Elsevier signed a contract to create Brain and Spine, the official online, open-access, scientific journal of EANS and EUROSPINE, jointly owned by both associations. The year 2023 proved highly fruitful for the Brain & Spine Journal.

The Brain & Spine Journal boasts several distinctive features:

- Open Access ensuring free accessibility to all online.
- No Paper Edition, besides on congresses
- EUROSPINE and EANS members publish research free of charge
- Several Countries in Europe have all University submissions waived, including Germany since recently
- Many Low- and Middle-Income Countries (LMICs) have waived APCs by Elsevier

In 2023, Brain and Spine received 303 submissions of scientific papers. We were able to accept 133 high-quality papers (96 brain/ 37 spine) but also had to reject 109 (46 brain/ 63 spine), while 17 were withdrawn.

In the spring of 2023, following its indexing in PubMedCentral the previous year, the Brain and Spine Journal was accepted for indexation on Scopus. Scopus is recognised as one of the largest abstract and citation databases, encompassing scientific journals, books, and conference proceedings. Subsequently, in the summer of 2023, the journal earned indexation in Clarivate Web of Science, a prestigious platform known for its comprehensive coverage of scholarly literature and citation analysis. These developments are a testament to the exceptional quality of research published in our journal and its growing influence in the field of brain and spine research. Updates regarding the Journal indexation up to now may be found here <https://www.sciencedirect.com/journal/brain-and-spine>.

These great achievements constitute significant steps towards obtaining an Impact Factor (IF). An Impact Factor is a widely recognised metric that measures the influence and importance of a journal in the scientific community. Achieving an IF will not only solidify our position as a leading publication but also

further enhance the visibility and reach of the research published in our journal.

A Reviewer of the Year Award was established in 2022 because we strongly believe that reviewers are of extreme importance to a high-class scientific journal.

The Reviewer of the Year 2021/2022:

EANS: Sandro Krieg (Munich, Germany)

EUROSPINE: Stavros Stavridis (Thessaloniki, Greece)

The Best Paper Award 2021/2022:

EANS:

Corniola, M., Roche, P.H., Brunea, M., Cavallo, L.M., Daniel, R.T., Messerer, M., Froelich, S., Gardner, P.A., Gentili, F., Kawase, T.

Management of cavernous sinus meningiomas: Consensus statement on behalf of the EANS skull base section
Brain Spine. 2022 Jan 21;2:100864. doi: 10.1016/j.bas.2022.100864. eCollection 2022.PMID: 36248124

EUROSPINE:

Aripaka, S.S., Bech-Azeddine, R., Jørgensen, L.M., Mikkelsen, J.D.

The expression of metalloproteinases in the lumbar disc correlates strongly with Pfirrmann MRI grades in lumbar spinal fusion patients

Brain Spine. 2022 Feb 5;2:100872. doi: 10.1016/j.bas.2022.100872. eCollection 2022.PMID: 36248158

All Article-Processing Charges (APC) for all EUROSPINE and EANS members are waived until further notice.

We encourage you to submit your excellent scientific papers to the Brain & Spine journal. Stay tuned as we are ready to proceed to the next milestone of our scientific journey in the coming months!





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EANS Foundation: Creating a fountain of possibilities!



***Fundraising is the noble art of teaching people
the pleasure of giving" (Henry Rosso)***

The EANS Foundation aims to help release the untapped potential of philanthropy for research funding in neurosurgery. It started as an idea of the former EANS president Karl Schaller and was officially introduced to the global neurosurgical community, during the EANS 2022 Congress in Belgrade.

At the Annual EANS Congress held in Barcelona in September 2023, a significant change in the leadership of our Foundation took place. André Grotenhuis gracefully stepped down from his role as the foundation president, and Karl Schaller assumed the position.

The Foundation achieved legal accreditation in 2022 from the Swiss Federal Agency for Foundations. The current Board comprises Karl Schaller, Johannes Van Loon, Andreas Demetriades, and Emmanuel Leibenson, who serves as our notary.

While philanthropy has demonstrated logarithmic growth in its impact on society and research over the past decades, the EANS is venturing into this new realm. Foundations play a crucial role in supporting research and contributing to humanitarian and social causes, with some wielding significant political influence, as seen in examples such as the Bill Gates Foundation or the Rotary Foundation.

The EANS Foundation, however, is staunchly non-political. Our focus is unwaveringly directed towards supporting research, education, and humanitarian projects.

With the legal groundwork established and the foundation stabilised, our next endeavor is fundraising. Our target is to secure funds from affluent individuals or other foundations, effectively conveying our objectives to a discerning and highly educated audience is paramount.

Potential donors may include former patients or individuals driven by genuine philanthropic interests. Many of these individuals, particularly in Europe, prefer discretion in their contributions and do not seek public recognition. Our affiliation with House Attorneys, a group of notaries and lawyers specialising in philanthropy, ensures that we steer clear of any grey areas in the financial domain.

As we plan our activities for 2024, including participation in events like World Head Injury Awareness Day, we approach the future with optimism. We believe that, with careful planning and dedication, we will carve our niche in the world of foundations.



Karl Schaller
EANS Foundation President



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Our Projects



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Barcelona

The Congress

EANS2023 Barcelona Congress: A Resounding Success!



EANS2023 Barcelona

Past September brought excitement, knowledge-sharing, and networking opportunities as we enjoyed the EANS 2023 Annual Congress in the beautiful city of Barcelona. With an impressive attendance of

more than 2,000 participants, the EANS2023 Barcelona Congress undoubtedly stood as one of the most significant gatherings of neurosurgery experts, enthusiasts, and professionals from

across the globe. The congress showcased a wide array of top-notch lectures and masterclasses, raising the bar for the dissemination of neurosurgical knowledge. The feedback from our attendees has been overwhelmingly positive, reaffirming our dedication to delivering an exceptional neurosurgical congress experience.

Numbers tell their own story!

- 2099 participants from 87 countries
- 55 Exhibitors
- 1100+ abstracts
- 348 Lectures
- 10 Plenary and 34 Parallel Sessions
- 15 Masterclasses
- 9 Joint Symposia
- 9 Industry-Sponsored Lunch Seminars, Symposia and Workshops

Numbers tell a great story indeed, but they cannot entirely reflect the heart-warming, celebratory and engaging atmosphere we were able to experience in Barcelona. Our 2023 Congress was the first ever entirely organised by the EANS Office, and one might say that the entire team behind the congress organisation took it personally to arrange an amazing congress. We can proudly report a job very well done, thanks to the work of the EANS Office, the EANS President Andreas Demetriades and the EANS Office Holders, as well as the truly excellent Congress President Jesus Lafuente, who led the effort towards the internalisation of the Congress organisation, that is now completely aligned with the rest of the busy EANS Educational Portfolio.

Among other things, the congress delegates had the opportunity to watch all scientific research award winners presenting their work. As neurosurgeons struggle with finding money for their research, the EANS has created the Research Fund aimed at providing 10,000 Euro seed grants for young and aspiring neurosurgeons, conducting neurosurgical projects. We were delighted to experience interesting presentations of original research, and we couldn't be prouder of our young researchers' achievements. We congratulate the winners and our industry partners for supporting the research funds and awards.



Overall, the congress showcased cutting-edge advancements in neurosurgery, was extremely intense and provided a comprehensive overview of various aspects of neurosurgery, fostering knowledge exchange and collaboration among attendees.

But it wasn't all just about learning and professional development. The social program offered memorable experiences, forging new connections and fostering friendships among our diverse community of neurosurgeons. We extend our heartfelt gratitude to everyone who contributed to making this event a resounding success, particularly to our Congress President Jesus Lafuente



The Opening Ceremony, led by the Congress President, Jesus Lafuente, the EANS President, Andreas Demetriades, and the Master of Ceremony and EANS Past President, Karl Schaller, presented both historical highlights and emotional moments. Jaume Collboni, the Egyptologist took the stage to narrate the tale of their monumental discovery, the tube of Djehuti. The audience was surprised by an unexpected guest from the early years of the EANS, Stephanie Garfield-Birkbeck, the first Executive Administrator of the EANS. She shared her own experience of how the EANS evolved over the years. From its humble beginnings with just one Training Course per year, the EANS has grown and developed significantly.

Preparations for next year's congress are well underway and we look forward to welcoming you all again in **Sofia from 13-17 October 2024!**

Celebrating Neurosurgical Excellence



At the Award Ceremony, we were proud to see those who excelled in neurosurgical science and research receiving their awards. The ceremony started with the President of EANS, Andreas Demetriades, and the Congress President, Jesus Lafuente, handing out the EANS Inaugural Humanitarian Award to Prof. Knut Wester. Prof. Wester was the one who initiated the first training program in neurosurgery in Ethiopia in 2002, a joint venture between the universities of Addis Ababa and Bergen with an astonishing result by June 2023 with 74 specialists being trained in the program.

EANS proudly awarded Prof. Marc Sindou, a Professor Emeritus of Neurosurgery at the University of Lyon, for his Exceptional Service to European Neurosurgery. This award was granted by the EANS Board to a European neurosurgeon recognising his services and paying tribute to the accomplishments and contributions of a remarkable individual in the field of neurosurgery.

The EANS Board further paid tribute to Prof. Sebastien Froelich, with an award that is given out every year! Prof. Froelich with his European Lecture titled “New trends and future developments in Skull Base Surgery” presented in a full auditorium this morning and was applauded for it!

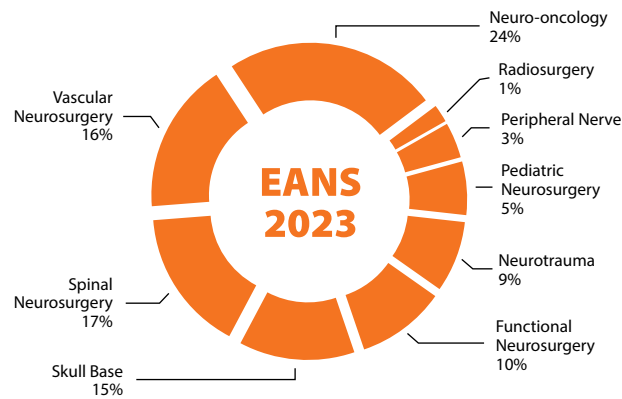
Last but not least, the EANS Congress President proudly welcomed on stage Dr. Miguel Angel Arraez Sanchez to present to him the EANS 2023 Congress Award for Lifetime Achievement, a recognition that honours the efforts of an individual for the advancement of Neurosurgery

EANS2023 Annual General Meeting: Shaping Tomorrow Together

This year’s AGM was particularly significant as it marked the election of a new Board of Officers. With a history of continuing excellence in neurosurgical care, research, and education, the EANS reaffirms its commitment to the pursuit of knowledge and innovation through its new Board. Each of these esteemed professionals brings a wealth of experience and a deep passion for neurosurgery, and we are excited about the new perspectives and ideas they will bring to the EANS community.

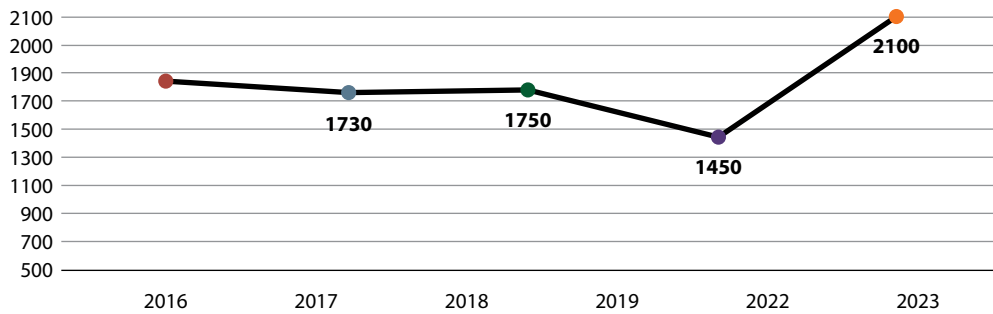


We wish Torstein Meling, the new EANS President and the rest of the EANS Officeholders the very best in their new endeavours! The recently elected EANS Board of Officers can be found on the website www.eans.org

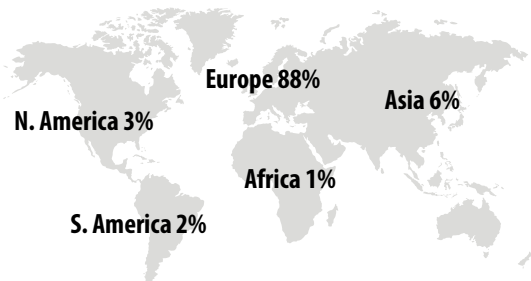


*Excluding exhibitors
**Including exhibitors

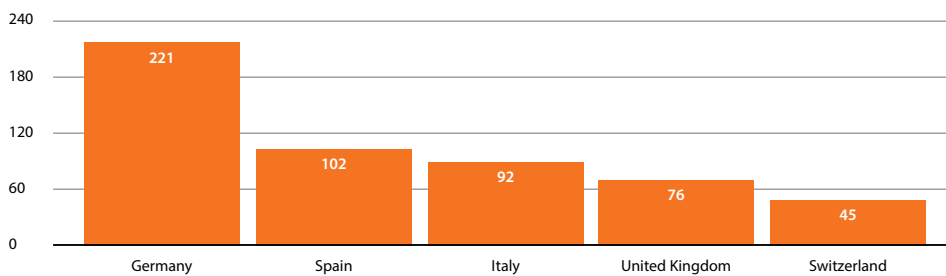
PARTICIPANTS**



Where did the **EANS2023** delegates come from.



Top 5 Countries



We welcome you to the EANS2024 Sofia Congress!



**EANS2024
Sofia**

Dear Friends and Colleagues,

We would like to welcome you all to Bulgaria for the EANS2024 Annual Congress, taking place on 13-17 October 2024, at the National Palace of Culture in beautiful Sofia.

It is our great honour and privilege to host you in Sofia and work together with you for another memorable EANS Congress.

The congress theme is **“Innovation, Education, Leadership”**, reflecting the current need to thoroughly discuss the future of neurosurgery in connection with technological advances that can improve neurosurgical education, training and treatment, aiming to create the next leaders of neurosurgery in Europe and all over the globe.

The programme includes several sessions dedicated to technological advances and innovative prospects and projects, always maintaining its high quality in presenting new original neurosurgical research.

We would like to welcome you to discover Sofia, a truly vibrant city with amazing history, gastronomy and culture.

See you in Sofia!

Nikolay Gabrovsky
Congress President



Torstein Meling
EANS President



eanscongress.org

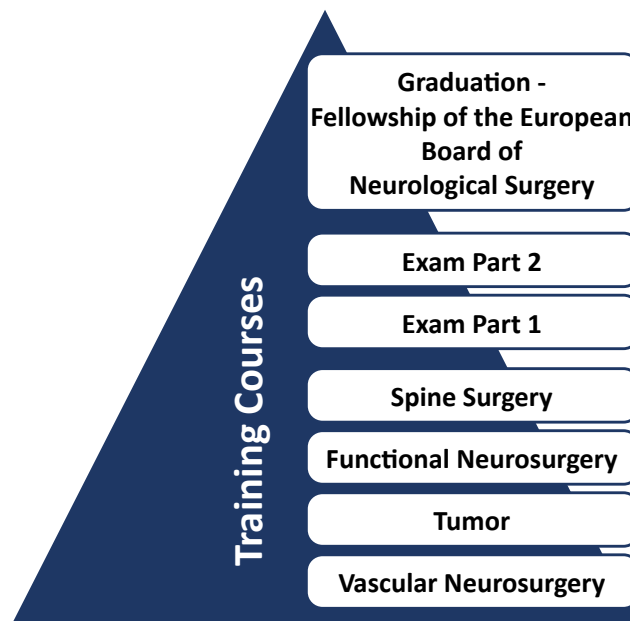


Training Courses

The EANS is involved in all aspects of neurosurgical training both at the pre-board certification level and at the special interest training level. We are constantly trying to find new ways to contribute to the improvement of neurosurgical education in Europe and beyond.

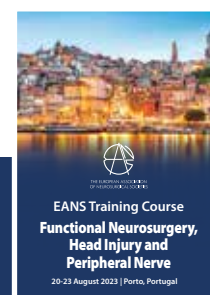
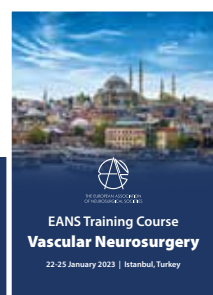
The European Training Courses in Neurosurgery, known also as EANS Training Courses, have long been one of the core activities and a major integrative force of the EANS, renowned for their excellence and long tradition. Founded in the 1970s by Professors Brihaye, Pia and Vigoroux, the courses aim to serve the needs of neurosurgical trainees in the latter half of their training in neurosurgery.

The European Training Courses in Neurosurgery Programme is one of the most esteemed specialisation neurosurgical courses globally. They consist of 4 cycles:



Completed by more than 3.000 neurosurgeons until today, the EANS Training Courses are one of the true training highlights of the organisation.

	Course Title	City, Country	Participants
January 22-25	EANS Training Course - Vascular	Istanbul, Turkey	225
May 14-17	EANS Training Course - Tumour	Thessaloniki, Greece	230
August 20-23	EANS Training Course - Head Injury	Porto, Portugal	229



In 2023, three Training Courses took place:

EANS Training Courses 2023			
Participants/ Country	Vascular Istanbul, Turkey 22-25 January	Tumour Thessaloniki, Greece 14-17 May	Head Injury Porto, Portugal 20-23 August
Albania		1	1
Austria	6	12	10
Belgium	6	10	17
Bosnia		1	1
Bulgaria		2	1
Croatia	2	6	4
Cyprus	1		2
Czech Republic	5	7	8
Denmark	2	4	3
Egypt	1		
Estonia	1	2	
Finland	6	8	10
France	8	5	5
Germany	55	40	38
Greece	8	4	5
Hungary	5	7	6
Ireland		1	
Israel	5	6	5
Italy	10	13	20
Latvia		1	2
Lithuania	4	4	1
Luxembourg	1		
Montenegro	2	1	
Netherlands	6	11	4
Nigeria			1
Norway			1
Poland	4	11	5
Portugal	9	11	4
Qatar	1		
Romania	3	4	9
Russia	2		
Saudi Arabia			
Serbia	3	2	
Slovakia	3	2	4
Slovenia	2	4	3
South Africa			
South Korea			
Spain	17	12	22
Sweden	4	6	6
Switzerland	11	11	15
Turkey	11	8	6
Ukraine			1
UK	21	13	9
TOTAL	225	230	229

Fellow of the European Board of Neurological Surgery (FEBNS)

The European Board Examination in Neurological Surgery consists of two parts: Part I (electronic multiple-choice questions) and Part II (oral examination).

Oral assessments following the completion of the EANS training course were first introduced in 1983 (Ljubljana). The concern for a more formal approach to an examination led in 1992 to the creation of the Joint EANS/UEMS Examination Committee and the introduction of the European Examination in Neurosurgery.

Candidates who successfully passed both parts I and II of this examination received the European Diploma in Neurosurgery.

In October 2015 the EANS and UEMS Section of Neurosurgery decided to form the European Board of Neurological Surgery (EBNS) and transform the existing exam into the European Board Examination in Neurological Surgery to further increase its importance and general recognition. One of the key functions of the EANS is to oversee the European Board of Neurological Surgery (EBNS). The EBNS is responsible for Part I (written) and Part II (oral) of the European Board Examination in Neurological Surgery. Candidates who pass both parts are appointed as Fellows of the European Board of Neurological Surgery (FEBNS). The FEBNS is a highly respected and recognised qualification that demonstrates a neurosurgeon's knowledge and skills in the field.

In 2023, three Exams Part I and one Exam Part II took place:

EANS Exams 2023

Exam Part I	No of candidates	Passed	Pass rate	Pass mark
21 January - Istanbul, Turkey	96	54	56,3%	58,26%
13 May - Thessaloniki, Greece	85	49	57,6%	58,15%
19 August - Porto, Portugal	87	63	72,4%	59,27%
Exam Part II	No of candidates	Passed	Pass rate	Pass mark
9-11 March - Barcelona, Spain	93	73	78,5%	80/120

The best candidates of Exam Part I were:

Ashwin Kumaria 85% - Istanbul

Anna-Sophie Hofer 88% - Thessaloniki

Vittoria Rosetti 89% - Porto

Exam Part II:

Krishna Narayanan 116/120 - Barcelona

All candidates with the best scores received an award and complementary registration at the EANS 2023 Congress in Barcelona.

Participants/ Country	Exam part I Istanbul	Exam part I Thessaloniki	Exam part I Porto	Exam part II
Arabia Saudi				
Albania				
Austria	4	4	2	
Australia				1
Bahrain				4
Belarus				1
Belgium		2	6	
Bosnia				
Bulgaria				
Canada				
Croatia	1	4	3	
Czech Republic	2	2	4	
Cyprus				
Denmark	1	2		
Egypt	2			4
Estonia	1	1		
Finland	1			
France	3	4	2	3
Germany	16	22	18	24
Greece	3	2	3	1
Hungary	2	8	7	
India				3
Iran				1
Iraq	1			
Ireland		4		
Israel		1	1	2
Italy		3	8	2
Jordan	2			4
Kuwait	1			1
Lebanon				1
Libya	1			1
Lithuania	2	1		
Luxembourg				
Malta			1	2
Montenegro	1			
Nepal		1		
Netherlands		1	1	
Pakistan	2			1
Poland	1	3		
Portugal	1		2	1
Qatar	1			
Romania	1		4	
Russia	1			

Participants/ Country	Exam part I Istanbul	Exam part I Thessaloniki	Exam part I Porto	Exam part II
Saudi Arabia	1			8
Serbia	1			1
Singapur		1		1
Slovenia	2	2	2	
Slovakia	1			
South Africa	1			
Spain	3		6	2
Sweden		6	4	
Switzerland	7	6	5	5
Tonga	1			
Turkey	15	2		2
UK	13	3	6	12
USA			2	4
Zambia				1
TOTAL	96	85	87	93

Specialised and Hands-On Courses

Founded in 2012 the EANS Hands-on Courses have become a stable part of the EANS' training activities allowing participants to get to grips with neurosurgical equipment and techniques. These are aimed specifically at participants in the third year of the EANS Training Course cycle, but others are also very welcome to apply. The CME Accredited Courses allow participants to sharpen their neurosurgical knowledge, discuss and debate with their peers, and at the same time collect CME points.

SPECIALISED COURSES

	Event title	City, Country	Participants
February 2-4	Bridging Neurosciences and Neurosurgery: New Frontiers in Intraoperative Neurophysiology	Verona, Italy	210
June 8	EANS Research Committee Course	Madrid, Spain	23
June 8-10	12 th Annual EANS Young Neurosurgeons' Meeting	Madrid, Spain	49
September 7-8	10 th Annual EANS Vascular Section Meeting	Marseille, France	88
September 24	EANS Peripheral Nerve Surgery Pre-Congress Course	Barcelona, Spain	42
November 26-28	EANS Advanced Course in Spinal Surgery Part II	Edinburgh, UK	30

STUDENT COURSE

	Event title	City, Country	Participants
June 7	EANS Students' Course	Madrid, Spain	19

HANDS-ON COURSES

	Event title	City, Country	Participants
January 17-18	EANS Spinal Step II Hands-On Course	Lyon, France	20
January 19-23	EANS Lyon Hands-On Course	Lyon, France	20
March 7 & 14	EANS Boot Camp for Vascular & Endovascular Neurosurgery Web seminars (Part 1)	Online	105
March 20-21	EANS Boot Camp for Vascular & Endovascular Neurosurgery Hands-On Course (Part 2)	Milan, Italy	30
June 5-6	EANS Basic Endovascular Course	Amsterdam, The Netherlands	31
June 12-13	EANS Spinal Step I Hands-On Course	Geneva, Switzerland	16
June 19-23	EANS Lyon Hands-On Course	Lyon, France	20
October 25-28	EANS Advanced Microvascular Hands-On Course	Rotterdam, The Netherlands	22

HANDS-ON COURSES

	Event title	City, Country	Participants
November 3-6	EANS Cranial Step II Hands-On Course	Istanbul, Turkey	20
November 9-12	EANS Microneurosurgery Hands-On Course	Cluj, Romania	18
November 21-24	EANS Cranial Step I Hands-On Course	Brno, Czech Republic	20
December 7-8	EANS White Matter Dissection Course	Tours, France	23

OTHER COURSES

	Event title	City, Country	Participants
March 31 - April 1	EUROSPINE & EANS Spring Summit 2023 - Tumour & Infection Days	Budapest, Hungary	90

EANS Spinal Step II Hands-On Course

17-18 January 2023, Lyon, France



This was the 5th edition of the EANS Spinal Step II Hands-On Course that took place again in Lyon at the Laboratoire d'Anatomie de la Faculté de Médecine de Lyon.

The 20 delegates from all over Europe and beyond had the opportunity to learn the essential neurosurgical anatomy, planning of surgical procedures, handling of neurosurgical equipment, and advanced neurosurgical spinal approaches. The emphasis was very much on practical skills, but with an excellent foundation of theory to support this.

This course was once again very successful and the level of the scientific content of both didactic and practical part was rated very high by most of the delegates.

EANS Lyon Hands-On Course

19-23 January 2023, Lyon, France



The long season of our renowned hands-on courses started once again with the popular Hands-On Course in Lyon.

The first course took place in June 2012, and it was very successful. Since then, two courses per year have been organised, in January and in June. This is a general neurosurgical cadaver course particularly appropriate for those at the level of the third year of training.

The course was highly rated and the 20 delegates had the opportunity to be trained on most classic cranial approaches, endoscopic and microsurgical techniques for neurosurgery.

This is one of the classic and most popular EANS Hands-On Course with almost 200 trainees on the waiting list every year.

Bridging Neurosciences and Neurosurgery: New Frontiers in Intraoperative Neurophysiology

2-4 February 2023, Verona, Italy

CME Accreditation: 18 European CME credits (ECMEC®s)



Following the successful first two editions of this unique EANS Symposium and after the difficult years of the COVID Pandemic, the EANS and Prof Francesco Sala were proud to hold the 3rd Edition of "Intraoperative Neurophysiology in Neurosurgery" in Verona, Italy, from 2-4 February 2023.

The concept of neurophysiology-assisted Neurosurgery is well established, and intraoperative neuro-monitoring has rapidly become of routine use in many neurosurgical centres inside and outside Europe. Over the past few years, novel neurophysiological monitoring and mapping techniques have emerged, particularly with regards to intraoperative mapping of subcortical connectivity, both in the awake and asleep setting, as well as monitoring of brainstem reflexes, spinal cord mapping, and intraoperative neurophysiology of the cerebellum.

This Symposium, which was attended by 210 Participants and had 59 Faculty members, had two main goals:

- 1) To explore, in plenary sessions, the future of Intraoperative Neurophysiology, by bridging Neurosciences and Neurosurgery. A distinguished international Faculty of masters in Intraoperative Neurophysiology and Neurosurgery addressed cutting-edge research and neurosurgical implications.
- 2) To provide a forum for discussion with the experts in various fields of Neurosurgery and neuromonitoring, through dedicated breakfast sessions that were organised for the delegates in the morning before the start of the plenary sessions.

This year, unlike the previous two editions, participants had the opportunity to present abstracts during the Symposium with dedicated poster sessions and oral abstract presentations sessions. More than 80 abstracts from all over Europe and beyond were submitted.

This new edition was very successful in terms of breaking numbers of attendance and the scientific level of the programme. 75% Of the delegates rated the programme excellent and praised how this meeting represented the ideal spot where neurosurgeons could share experiences and knowledge with neurophysiologists.

EANS Boot Camp for Vascular and Endovascular Neurosurgery

7 & 14 March 2023: Web seminars (Part 1)
 20-21 March 2023: Hands-On Course (Part 2), Milan, Italy



The idea of this new course came out of the necessity to find new ways to train Young Neurosurgeons in vascular pathologies. To remain at the forefront of evaluating, caring for, and treating patients with cerebrovascular disease, vascular neurosurgery must evolve toward a specialty, mastering the knife as well as the catheter. The Panel of the EANS Vascular Section strongly believes that it is time for European neurosurgeons to start training residents in endovascular neurosurgery in the same way we train neurosurgeons in every other neurosurgical discipline, as is already the case in the rest of the world.

In this direction go the EANS Basic Endovascular Courses that have aroused an incredible interest.

This course is divided in two parts: a theoretical Part (2-day web-seminars) (Part 1) and a week later the attendees are involved in the Hands-on exercise on site (2 days practical sessions) with 10 faculty members (Part 2). There is a limit number of 30 attendees for the Hands-on sessions, to allow enough time to perform clipping and by-passes using Placenta models and coiling and flow-diverter stent, always supervised by the faculty members.

The international faculty consisted of 30 world renowned vascular and endovascular neurosurgeons who provided insights into their clinical activities and experiences.

105 Delegates (30 at the physical event and 75 at the online) particularly appreciated the outstanding lineup of speakers and the structure of this new course that officially became an established EANS Section Course. The next one will take place again in Milan in April 2024.

EUROSPINE & EANS Spring Summit 2023 - Tumour & Infection Days

31 March - 1 April 2023, Budapest, Hungary



This is a brand-new event realised as another fruitful collaboration between EUROSPINE, the Spine Society of Europe and the European Association of Neurosurgical Societies (EANS).

This event focused exclusively on tumours and infections and delegates had the opportunity to learn from well-known leading experts, discuss with peers and exchange with the renowned faculty.

There were 2 formats:

Insight Talks: international experts shared their personal experience and evidence-based practices focusing on different clinically significant topics in the management of spinal tumours and infections.

Moderated debates: controversial elements of diagnostic and therapy were dissected in interactive discussions led by a professional moderator and involving the audience.

This event was attended by 90 delegates from all over Europe. 73% Confirmed that this event fulfilled their educational goals and expected learning outcomes.

EANS Basic Endovascular Course for Neurosurgeons

5-6 June 2023, Amsterdam, The Netherlands



After the 2022 successful EANS Endovascular Course, the fourth one was held again in Amsterdam, the Netherlands. In June 2023, the course took place with 31 participants and 14 faculty members.

The increasing endovascular treatment options and practice forces neurosurgeons to be informed about these treatment strategies, since they take part in the decision process whether their patients should undergo endovascular or open surgical treatment.

Only a small part of the neurosurgical community in Europe has practical experience in neuroendovascular treatment strategies. Young Neurosurgeons especially lack insights into the chances and challenges of endovascular therapies, which hampers their objective assessment skills for neurovascular diseases. A better understanding of endovascular therapies will improve the competence of Neurosurgeons.

This course aims at young neurosurgeons that wish to achieve a basic understanding of endovascular treatment, including their strengths and pitfalls.

The international faculty consists of dual-trained neurosurgeons as well as neurointerventional specialists that are happy to provide insights into their endovascular activities and experiences.

The course was once again a great success with many positive reviews: the overall content of the course was considered perfectly balanced with a highly rated scientific content. The course will take place again in June 2024 in Amsterdam and in Sofia in October 2024.

EANS Research Committee Course

8 June 2023, Madrid, Spain CME Accreditation: 6 European CME Credits (ECMEC®s)



The EANS Research Course 2023 took place in beautiful Madrid on 8 June 2023.

A total of 23 participants attended the course.

The EANS Research Course is a successful event and the conjunction with the EANS Young Neurosurgeons Meeting works very well. The one-day interactive format seems to be well received by the participants and will be used for the following courses as well.

A special feature of the course is also the session dedicated to the abstracts' presentations of the shortlisted candidates of the Aesculap EANS Research Prize Award that ended the course with the voting and announcement of the 2 winners of the Aesculap EANS Research Prize 2023:

Best Clinical Paper

Manina Etter (Switzerland): Severe Neuro-COVID is associated with peripheral immune signatures, autoimmunity and neurodegeneration: a prospective cross-sectional study.

Best Laboratory Paper

Kevin Akeret (Switzerland): MyD88-TLR4-dependent choroid plexus activation precedes perilesional inflammation and secondary brain edema in a mouse model of intracerebral hemorrhage.

The course received positive reviews: the content of the programme was evaluated as excellent by 70% of the delegates, with very interactive group discussions and good networking. Only the size of the room was considered not adequate for the number of participants.

The next Research course is planned for 19 April 2024 in Hamburg.

12th Annual EANS Young Neurosurgeons' Meeting and EANS Students' Course

8-10 June 2023, Madrid, Spain

CME Accreditation: 8 European CME Credits (ECMEC®s)



The 12th Annual EANS Young Neurosurgeons' Meeting took place in Madrid, Spain.

This meeting is a well-established event held in conjunction with the EANS Research Course.

This year 49 delegates had the unique opportunity to attend the below listed Skills and Training Courses on 8 and 9 June before the start of the YNM scientific programme:

Multimonitoring in TBI: From theory to practice.

Target audience: Anesthesiologist, intensivist and neurosurgery. PGY 2-5 and attending.

Basic neurosurgical skills. Craniotomy and microsutures course.

Target audience: Students and PGY 1-3.

Endoscopy and spine. Basics on monoportal and biportal Endoscopic Spine Surgery-Interlaminar Approach for disc lumbar herniation and Stenosis. Approaches training step-by-step.

Target audience: Last year's residents and board-certified neurosurgeons with spinal surgery experience.

Disruptive technologies. Advanced cranial planning and robotics in spine.

Target audience: students, residents and young board-certified surgeons.

Another new feature of this year's meeting was the Pre-Meeting Students' course that also took place the day before the YN meeting. The course was divided into three parts: basic research, training and mentorship in neurosurgery. 19 Students attended it.

The YN Meeting received positive feedback: the programme was considered extremely useful for the professional activity by 73% of the delegates and social activities and networking were highly appreciated.

The next meeting is planned from 19-21 April 2024 in Hamburg.

EANS Spinal Step I Hands-On Course

12-13 June 2023, Geneva, Switzerland



This two-day course is intended to be the basis for young neurosurgeons who are interested in developing surgical skills and techniques necessary for operating with confidence and improving patient care in degenerative spine surgery. The course was attended by 16 participants and 9 faculty members.

It is a spine surgery course allowing beginner residents (1st to 3rd year) to learn through theoretical sessions, simulation and cadaver workshops the basis of spine surgery in a safe and ultra-modern environment (SFITS).

At the end of the course, participants are able to perform the following procedures: Cervical disc and plating, Cervical posterior foraminotomy, Lumbar disc herniation, Lumbar stenosis, Lumbar instrumentation, and Vertebroplasty.

Most of the trainees enjoyed the course and congratulated the team and the quality of the programme. Many of them also recommended the option of having more time for the hands-on sessions by adding an extra day.

EANS Lyon Hands-On Course

19-23 June 2023, Lyon, France



The summer edition of this very popular Hands-On Course was held at the end of June in Lyon. The course was again a big success and highly appreciated by the doctors who had the opportunity to reserve a place. 20 participants and 12 faculty members attended the course. For the summer edition, over 100 doctors were reported on the waiting list.

10th Annual EANS Vascular Section Meeting

7-8 September 2023, Marseille, France

CME Accreditation: 9 European CME Credits (ECMEC®s)

The 10th Annual EANS Vascular Section Meeting took place in Marseille, France in conjunction with the ESMINT congress. 88 Delegates and speakers from all over Europe and beyond attended the Meeting.

The registration fee granted access to the Wednesday EANS-ESMINT Joint sessions to all our participants. Likewise, ESMINT delegates could also access the vascular meeting's sessions on Tuesday.

Like in previous years, the programme comprised keynote lectures and talks selected based on the submitted abstracts (62 submitted abstract).

The aim of this meeting follows the tradition of providing a platform for as many as possible of the members to present their work and devote the majority of the programme to oral presentations of submitted abstracts and plenary discussions.

Again this year the meeting was very well evaluated: great meeting, high-level presentations, excellent discussions, friendly atmosphere.

EANS Peripheral Nerve Surgery Pre-Congress Course

24 September 2023, Barcelona, Spain

CME Accreditation: 5,5 European CME Credits (ECMEC®s)



The EANS Peripheral Nerve Surgery Pre-Congress Course was held on 24 September 2023 in Barcelona, Spain. This course aims to give a 360° perspective and insight into one of the most challenging and rewarding fields in neurosurgery – peripheral nerve surgery.

The programme was tailored to cover all important issues: nerve trauma – tumour – compression. This, of course, includes physical examination, imaging and electrophysiology, as well as detailed information on every pathology, treatment strategy, pitfalls, and new developments.

Experts from all over the world shared their knowledge and experience with the 42 delegates. A major key to the deeper understanding of this prosperous neurosurgical field was the discussions with the 16 faculty members.

The course's programme was considered excellent by 56% of the delegates and it was praised because of the practical recommendations, the relevant topics and the high-level content of the lectures.

EANS Advanced Microvascular Hands-On Course

25-28 October 2023, Rotterdam, The Netherlands



As a result of popular demand among participants of the EANS Microvascular course, the EANS Advanced Microvascular Hands-On Course, functioning like a Step II course, was held for the first time in Rotterdam from 25-28 October. This course aims to enrich and diversify the palette of microvascular tools at the disposal of vascular neurosurgeons. Tailored to residents in their last year, fellows in vascular neurosurgery and vascular neurosurgeons of all levels, the Advanced Course assumes a certain level of proficiency in microvascular suturing at a basic level.

The 22 delegates were introduced gradually to some of the most difficult exercises in the lab, all on live animals. These exercises, directly transferrable to the OR, simulate and exemplify some of the most difficult situations encountered during suturing, such as but not limited to, suturing in a deep field, calibre mismatch, and highly thrombogenic vessels. The course had 9 faculty members.

At the end of this course participants were equipped with all the necessary knowledge and a high level of experience to tackle the most difficult situations encountered in microvascular surgical practice. This is a newly established EANS Course that will take place once again in 2025.

EANS Cranial Step II Hands-On Course

3-6 November 2023, Istanbul, Turkey



The third EANS Step II Course in Cranial Surgery took place for the first time in the training centre of Koc University in Istanbul, Turkey from 3-6 November 2023 with 12 faculty members.

This dissection course is most suitable for neurosurgical residents in their final years of training, complementing the Step I cranial course in Brno and the hands-on course in Lyon. It focuses in depth on the relevant neurosurgical anatomy, the planning and execution of advanced neurosurgical procedures, neuroendoscopy, and some skullbase approaches.

The course programme and the Turkish hospitality were highly rated and appreciated by the 20 delegates. In 2024 the course will host 40 participants making it the biggest EANS hands-on course in terms of attendance and training stations.

EANS Microneurosurgery Hands-On Course

9-12 November 2023, Cluj, Romania

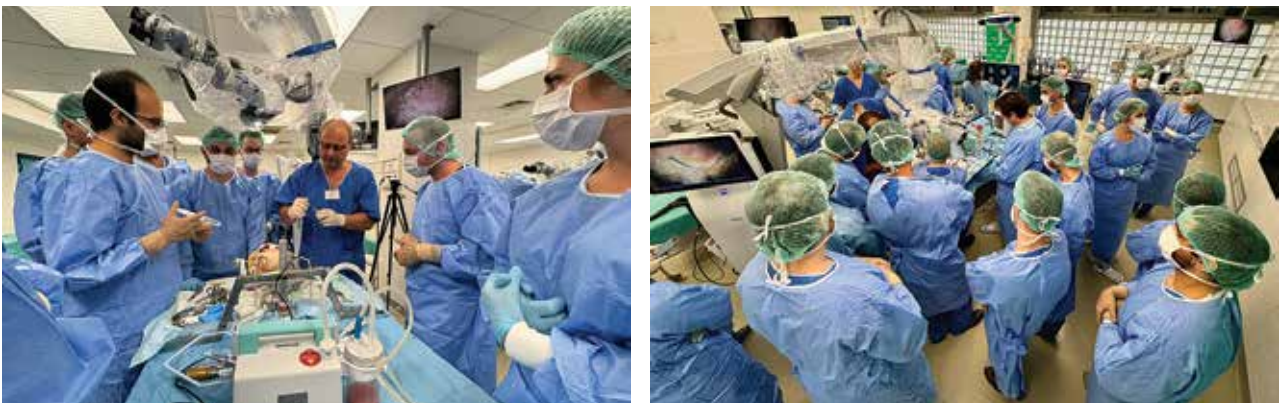


The fourth edition of this course took place in Cluj from 9-12 November 2023. The course is a complete microvascular experience, and included teaching on all types of anastomosis as well as experimental microsurgery, by those involved in microsurgical research and the sterling EANS faculty.

18 Delegates spent 4 days of intense hands-on microsurgical training, with 1-on-1 mentoring and all the microvascular training techniques with continuous improvement using tips and tricks. The course was a big success and it is scheduled to be held in Cluj once again in 2024.

EANS Cranial Step I Hands-On Course

21-24 November 2023, Brno, Czech Republic



The sixth EANS Basic Course in Cranial Surgery took place at Masaryk University Brno, Czech Republic from 21-24 November 2023. The course had 10 faculty members.

This dissection course is most suitable for neurosurgical residents in their first years of training as it will focus on the essential neurosurgical anatomy, the planning of surgical procedures, the handling of basic neurosurgical equipment, and the basic neurosurgical cranial approaches.

The course was again highly rated and appreciated by its 20 delegates. 77% of them rated the quality of teaching very high. This is one of the most popular courses at EANS with over 200 doctors on the waiting list.

EANS Advanced Course in Spinal Surgery Part II: Revisions and Complication Management

26-28 November 2023, Edinburgh, United Kingdom
CME Accreditation: 19 European CME Credits (ECMEC®s)



30 delegates and 18 faculty members attended the EANS Advanced Course in Spinal Surgery, Part II which took place in Edinburgh, UK from 26-28 November 2023.

This part of the advanced courses is about complications and management. The first part involves advanced surgical techniques and extended indications and will take place in 2024.

The course employs various teaching methods including plenary lectures, interactive case discussion, round tables and dry lab hands-on workshops. The target audience is recently qualified neurosurgeons and neurosurgeons specialised in spinal neurosurgery as well as orthopaedics surgeons interested in spinal procedures; last year residents are also welcome to attend.

This is a unique international course giving participants the opportunity for informal debate with their peers as well as with the teaching faculty who are internationally recognised speakers from various European countries. For these educational events, the EANS is cooperating with EUROSPINE and this course is part of the EUROSPINE Equivalence Advanced Programme.

During this course, the delegates had the opportunity to hear from renowned surgeons about their surgical pearls, notions and future trends in spine surgery. Beside the various overview lectures on key topics of advanced spine care, there were many interactive sessions with concrete and challenging case discussions. Furthermore, delegates gained hands-on skills training with the latest technologies during the dry lab workshops.

The course received positive evaluations, especially for the quality of the lectures, group discussions, and recommendations from master neurosurgeons and orthopedic surgeons. Most of the delegates expressed their preference for the cadavers' workshop, however, it was explained that for this part of the course, only the sawbones and models can show the complications and allow you to train on that.

EANS White Matter Dissection Course

7-8 December 2023 Tours, France

The fifth EANS White Matter Dissection Course took place at the Laboratoire d'Anatomie de la Faculté de Médecine of Tours from 7-8 December 2023.

The course has a limited number of participants and focuses on the anatomy and function of white matter tracts and their implications in Neurosurgery. This course was attended by 23 participants and 8 faculty members.

This is another classic and very successful EANS hands-on course with over 100 doctors on the waiting list.

The reviews were once again very positive, especially regarding the dissection sessions.

EANS Endorsed Courses



The EANS receives every year a high number of endorsement requests from other Institutions/Hospitals/Scientific Committees.

The EANS endorsement process follows the below eight strict criteria:

- > The scientific program should be submitted for review and must be approved by the EANS Board Member for Scientific Matters
- > At least 25% of the faculty should be EANS members
- > Hands-on courses will be considered according to the number of participants per station
- > The official Language should be English
- > Discount of at least 10% on the standard registration fee should be offered to EANS Individual Members
- > The organisers should agree to display/ distribute EANS promotional materials
- > One-page report should be submitted after the event to the EANS President and the EANS Board Member for Scientific Matter (possibly specifying also how many EANS members attended the event)
- > It is highly recommended that the national neurosurgical society auspices be obtained before requesting the EANS endorsement

In 2023 EANS has endorsed the below list of courses:

Fundamentals of Open and Endoscopic Approaches to the Skull Base

08-10/02/2023, Liege

LINC III - International Neurovascular Course: Cavernous Malformations - A Holistic Approach

17-18/03/2023, Athens

Lyon's Pituitary International Hand's on Course

27-29/03/2023, Lyon

Masters of Brain Ultrasound in Neurosurgery

30-31/03/2023, Barcelona

1st Joint FLANC & EANS Theoretical and Practical Course on Peripheral Nerves and Brachial Plexus

31/03/2023 - 02/04/2023, Rio de Janeiro

1st Bern Simulation Workshop for Intracranial Aneurysm Microsurgery

04-05/04/2023, Bern

Oporto Ultrasound in Neurosurgery Course

04- 05/05/2023, Porto

White Matter Dissection and Neurosurgical Anatomy Course

08-12/05/2023, Athens

Advanced Hands-on Course in Skull Base Surgery

11- 13/05/2023, Duesseldorf

Athens White Matter Dissection & Neurosurgical Anatomy Course

13- 17/05/2023, Athens

41st European Workshops on Basic Techniques of Microsurgery and Cerebral Revascularization

22-25/05/2023, Vienna

Symposium on Hybrid Cerebrovascular Surgery and Intervention

26-27/05/2023, Vienna

Athens Skull Base Hands-On Course

29-31/05/2023, Athens

Skull Base Approaches to Vascular Lesions

30/05/2023 - 01/06/2023, Cremona

EUCMISS 2023 - 10TH European Course Minimally Invasive Spinal Surgery

14-16/06/2023, Madrid

From the Mountains to the Sea, from Geneva to Naples, from Occiput to Ilium

04- 08/09/2023, Geneva and Naples

Meet the Masters of Neurosurgery

07-09/09/2023, Waterloo

6th Mapping Course

21-24/11/2023, Barcelona

Research Fund

The EANS Research Fund aims to nurture young researchers who are developing a research career. Applicants should be either neurosurgical trainees, research fellows or junior consultants (5 years or less). The awards are available to neurosurgeons in all member countries of the European Association of Neurosurgical Societies to encourage European cooperation and collaboration. This fund provides seed grants across the various neurosurgical specialties addressing operative neurosurgery (microsurgery), brain injury, vascular neurosurgery, oncology, spine surgery, functional neurosurgery, peripheral nerve surgery, cerebrospinal fluid disorders, paediatric neurosurgery and pre-clinical neuroscience.

Both laboratory and clinical research projects are eligible for funding. There is a maximum of one submission per applicant, to be submitted by a principal-named applicant, plus a maximum of five co-applicants. Each award of €5.000 should be spent within 12 months of receipt.

In 2023, 66 abstracts were submitted and accepted for review:

Country		Country		Country	
Austria	4	Germany	1	Sweden	1
Belgium	2	Israel	1	Switzerland	7
Bulgaria	1	Italy	8	The Netherlands	6
Croatia	2	Moldova	1	United Kingdom	9
Denmark	1	Portugal	1	Ukraine	1
Finland	1	Serbia	2		
France	3	Spain	2	Total	19

Gender balance of applicants: 75% males, 25% females

The winners were 8; 5 of them were sponsored by Zeiss, Olympus, Integra and the JEAN BRIHAYE Fund.

EANS2023 Research Grants

Anna-Baukje Lebouille-Veldman (The Netherlands): The use of Artificial Intelligence in classifying and predicting cervical spine deformity in patients with Rheumatoid Arthritis

Tobias Mederer (Germany): Circulating cell-free DNA from plasma and CSF as a biomarker in meningioma – a quantitative and genetic analysis for minimal-invasive tumour monitoring

Obada Alhalabi (Germany): Selective VEGFR inhibition improves functional outcome and modulates the phosphoproteomic and histological landscape after traumatic spinal cord injury in rats

Daniel Lewis (United Kingdom): A pilot study of USPIO enhanced MRI as an imaging biomarker of macrophage infiltration in NF2-associated vestibular schwannoma

INTEGRA 2023 Research Grant

Philipp Geiger (Austria): DUAL ICP STUDY – Fundamental principles and changes: Is ICP transmitted uniformly within the cranium? An animal porcine study

JEAN BRIHAYE 2023 Research Grant

Pablo Andrade (Germany): Identification of cellular signalling cascades in antemortem Alzheimer's and Parkinson's disease brains by stereotactic surgical techniques

ZEISS 2023 Research Grant

Alessandro Boaro (Italy): Machine learning approaches for the refinement and integration of intraoperative neuromonitoring criteria

OLYMPUS 2023 Research Grant

Hamid-Reza Niknejad (The Netherlands): Intra-operative ultrafast doppler ultrasound for the evaluation of Ischemia: A monocentric pilot study

Aesculap-EANS Research Prize 2023

Thanks to the generosity of B. Braun Aesculap, we were once again able to award two prizes of €5000 each in 2023.

These awards were for research work relevant to the field of neuroscience; one award was for best clinical research paper, and one was for best laboratory research paper.

The Eligibility criteria for this award were:

- for neurosurgeons under the age of 40 at the time of submitting, who were either fully trained or in the course of training
- for individual members of the EANS only; only applications submitted by the EANS Individual Members of a good standing were considered in the selection process
- manuscripts published in 2022 (but not earlier) as well as unpublished studies were accepted for the evaluation, in which the applicant was the first author. They should contain research work – clinical or laboratory – relevant to the field of neuroscience.

46 Valid applications were submitted and evaluated by the Research Committee. The below candidates were shortlisted.

Best Laboratory Shortlisted Candidates:

Kevin Akeret (Switzerland): MyD88-TLR4-dependent choroid plexus activation precedes perilesional inflammation and secondary brain edema in a mouse model of intracerebral hemorrhage

Sofie Dietvorst (Belgium): The influence of arterial carbon dioxide level on the shape of the cerebrovascular autoregulation curve in a porcine cranial window model

Matthias Millesi (Austria): DNA Methylation associates with clinical courses of atypical meningiomas: A matched case-control study

Best Clinical Shortlisted Candidates:

Anne Broekema (Netherlands): Noninferiority of Posterior Cervical Foraminotomy vs Anterior Cervical Discectomy With Fusion for Procedural Success and Reduction in Arm Pain Among Patients With Cervical Radiculopathy at 1 Year. The FACET Randomized Clinical Trial

David Clark (United Kingdom): Casemix, management, and mortality of patients receiving emergency neurosurgery for traumatic brain injury in the Global Neurotrauma Outcomes Study: a prospective observational cohort study

Manina Etter (Switzerland): Severe Neuro-COVID is associated with peripheral immune signatures, autoimmunity and neurodegeneration: a prospective cross-sectional study

The shortlisted candidates attended the EANS Research Course as participants and presented their work during the programme (8 June 2023, Madrid, Spain). Their registration was waived.

At the end of the course, the EANS Research Committee gathered to vote and announced the two winners:

Best Clinical Paper

Manina Etter (Switzerland): Severe Neuro-COVID is associated with peripheral immune signatures, autoimmunity and neurodegeneration: a prospective cross-sectional study

Best Laboratory Paper

Kevin Akeret (Switzerland): MyD88-TLR4-dependent choroid plexus activation precedes perilesional inflammation and secondary brain edema in a mouse model of intracerebral hemorrhage.

The two winners were invited to present their work at the EANS2023 Congress in Barcelona.

Webinars



Throughout 2023, the EANS organised 122 webinars with the purpose of educating the global neurosurgical community. The EANS involved all its Sections and Task Forces to contribute and become part of the continuous efforts to deliver top-quality education to physicians, trainees, and medical personnel worldwide.

Announcements of the upcoming webinars are usually launched on Wednesdays or Thursdays at 5 pm CET/CEST and can be found on the EANS website.

The booking and preparation process for each webinar are handled by the assigned coordinator and overseen by the respective Section/Committee/Task Force Chair.

To maximise participation, each webinar is widely promoted through various EANS communication channels, including the website, newsletter, and social media platforms. These efforts result in gathering a range of 50 to 300 participants per webinar.

EANS Webinars

Section of Skull Base Neurosurgery – **25 webinars**

Section of Cerebrospinal Fluid (CSF) – **22 webinars**

Section of Spinal Neurosurgery – **15 webinars**

Section of Peripheral Nerve Neurosurgery – **11 webinars**

Section of Trauma and Critical Care (TCC) Neurosurgery – **12 webinars**

Section of Vascular Neurosurgery – **9 webinars**

The Young Neurosurgeons' Committee – **9 webinars**

Section of Functional Neurosurgery – **4 webinars**

Section of Pediatric Neurosurgery – **4 webinars**

ETIN Task Force – **5 webinars**

Section of Neuro-Oncology – **5 webinars**

Section of Radiosurgery – **1 webinar**

- > The booking and preparation are managed by the assigned coordinator & supervised by the Section/Committee/Task Force Chair.
- > Each webinar is widely promoted via all EANS communication channels and attracts an audience of around 50 to 300 participants
- > All webinars are recorded for subsequent upload to the EANS website
- > Best performing webinars have gathered approximately 1000 views on the EANS YouTube channel within roughly one year following the live event

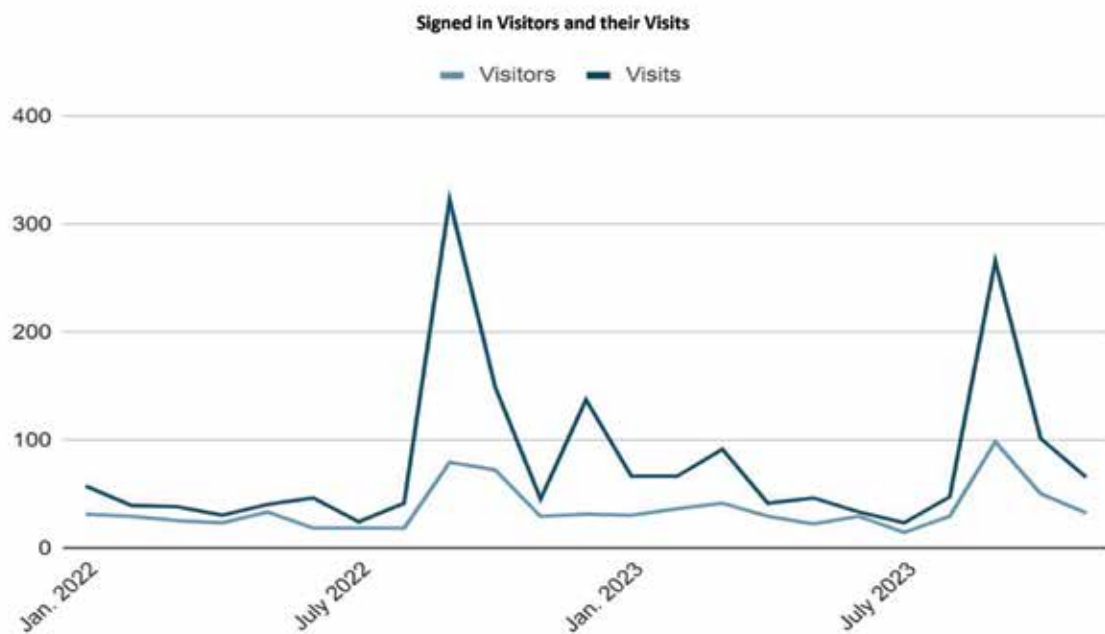
The EANS Academy



The Academy was visited by more than 600 unique users in 2023.

The most recently uploaded content in the Academy is the EANS2023 Barcelona Congress, which includes e-posters and webcasts.

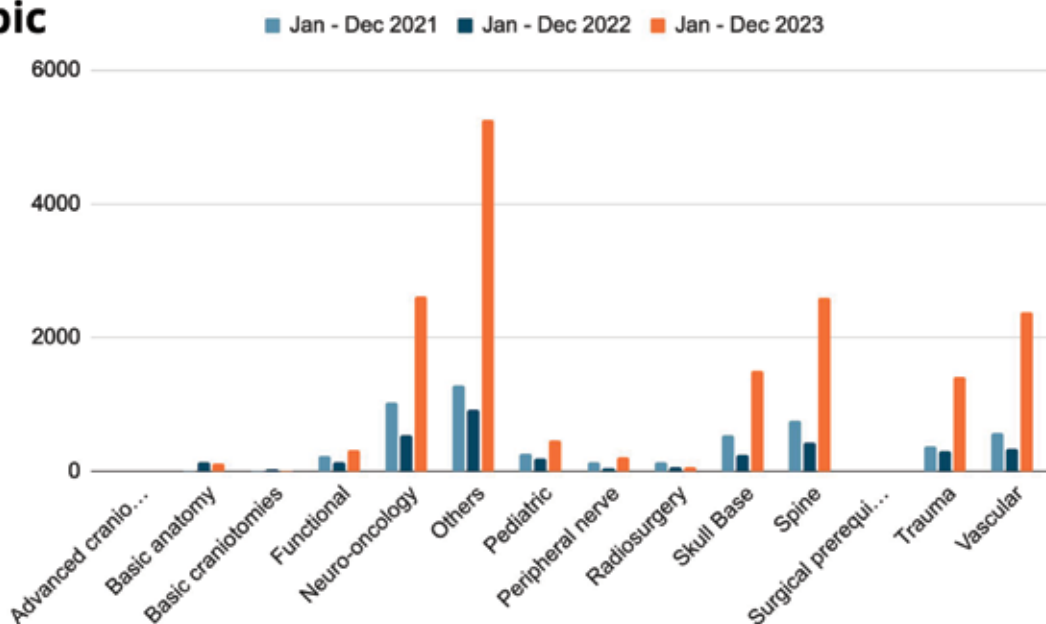
You can visit the EANS Academy via the official EANS HYPERLINK <https://academy.eans.org> or www.academy.eans.org.



Date	EANS Webinar Topic	Unique Viewers	Total Users	Max Concurrent Views
2023-02-01	LOW GRADE IMPLANT - ASSOCIATED INFECTIONS	91	115	80
2023-02-08	HOW TO PLAN A CAREER AS A NEUROSURGEON?	197	305	155
2023-02-22	TREATMENT OF MALIGNANT HEMISPHERIC STROKE	99	107	92
2023-02-28	COMPLICATIONS IN SKULL BASE NEUROSURGERY	149	294	110
2023-03-01	TIMING IN THE TREATMENT OF LUMBAR DISC HERNIATIONS	115	150	105
2023-03-08	NEUROINFORMATICS, NEURAL NETWORKS, NEUROCOMPUTERS & SOME APPLICATIONS IN NEUROSURGERY	158	219	134
2023-03-09	HEMISPHERIC DISCONNECTION: CURRENT STATE OF THE ART	97	127	76
2023-03-15	HAKIM TRIAD, HISTORY OF NPH & THE COLOMBIAN EXPERIENCE	98	131	79
2023-03-22	UPDATE ON THE MANAGEMENT OF CHORDOMAS	170	258	122
2023-03-23	HOW TO PLAN YOUR NEUROSURGICAL TRAINING	86	122	64
2023-03-29	MULTIDISCIPLINARY APPROACH FOR CEREBRAL AVM'S	133	191	106
2023-04-05	CERVICOTHORACIC JUNCTION ABNORMALITIES IN METABOLIC SYNDROMES	54	76	40
2023-04-26	MENINGIOMAS	120	179	85
2023-04-27	TREATMENT OF MALIGNANT HEMISPHERIC STROKE	79	102	72
2023-05-03	EMERGING TECHNOLOGIES AND INNOVATIONS IN NEUROSURGERY	187	261	151
2023-05-04	ETHICAL ISSUES IN NEUROTRAUMA: ARE WE OPERATING THE RIGHT INDICATIONS	74	103	58
2023-05-17	LP SHUNTING FOR NPH & THE JAPANESE EXPERIENCE	80	101	60
2023-05-24	UPDATE ON PITUITARY TUMORS	158	231	119
2023-05-25	SYRINGOMYELIA AT DIFFERENT AGES	243	378	172
2023-05-31	BOARD CERTIFIED. WHAT'S NEXT?	39	65	26

Date	EANS Webinar Topic	Unique Viewers	Total Users	Max Concurrent Views
2023-06-07	BIG DATA, PREDICTIVE MODELING AND AGING BIOMARKERS IN ADULT SPINAL DEFORMITY	24	34	20
2023-06-13	SPINAL CSF LEAKS: UPDATES IN DIAGNOSIS AND MANAGEMENT. HOW CAN YOUR NEURORADIOLOGIST HELP YOU?	94	167	76
2023-06-14	VASCULAR PATHOLOGY IN CHILDREN QUITE DIFFERS FROM ADULT ONE	236	347	180
2023-06-21	DEVASCULARIZATION AND REVASCLARISATION IN SKULL BASE TUMOR SURGERY	121	183	103
2023-06-29	DIRECTIONAL LEADS FOR DEEP BRAIN STIMULATION: A COMPREHENSIVE SURVEY AND LITERATURE REVIEW	58	134	48
2023-07-05	CONTROVERSIES OF INNOVATION IN ARTIFICIAL INTELLIGENCE AND NEUROSURGERY	93	125	78
2023-09-13	NEW TECHNOLOGY FOR MANAGEMENT OF BRAIN TUMOURS	146	212	112
2023-10-06	SCOTLAND'S CONTRIBUTION TO NAVAL & MILITARY MEDICINE & SURGERY	109	228	82
2023-10-12	COAGULATION MANAGEMENT IN TRAUMATIC BRAIN INJURY	185	275	143
2023-10-25	DECOMPRESSIVE CRANIECTOMY AND CRANIOPLASTY – UPDATES	234	321	186
2023-11-07	ARTIFICIAL INTELLIGENCE (AI) IN NEUROSURGERY	181	268	151
2023-11-15	GLIOMAS IN CHILDREN AND ADULTS	383	644	268
2023-11-29	CRANIOPLASTY 2.0 - CURRENT STANDARDS AND TRENDS	181	302	142
2023-12-05	PERIPHERAL NERVE INTERFACE STRATEGIES TO ENHANCE FUNCTION AFTER LIMB LOSS	86	116	71
2023-12-06	NEW DEVELOPMENTS IN H3k27 MUTATED GLIOMAS IN ADULTS	76	99	66
2023-12-13	SPINAL TUMORS - THE GOOD, THE BAD AND THE UGLY	176	236	140

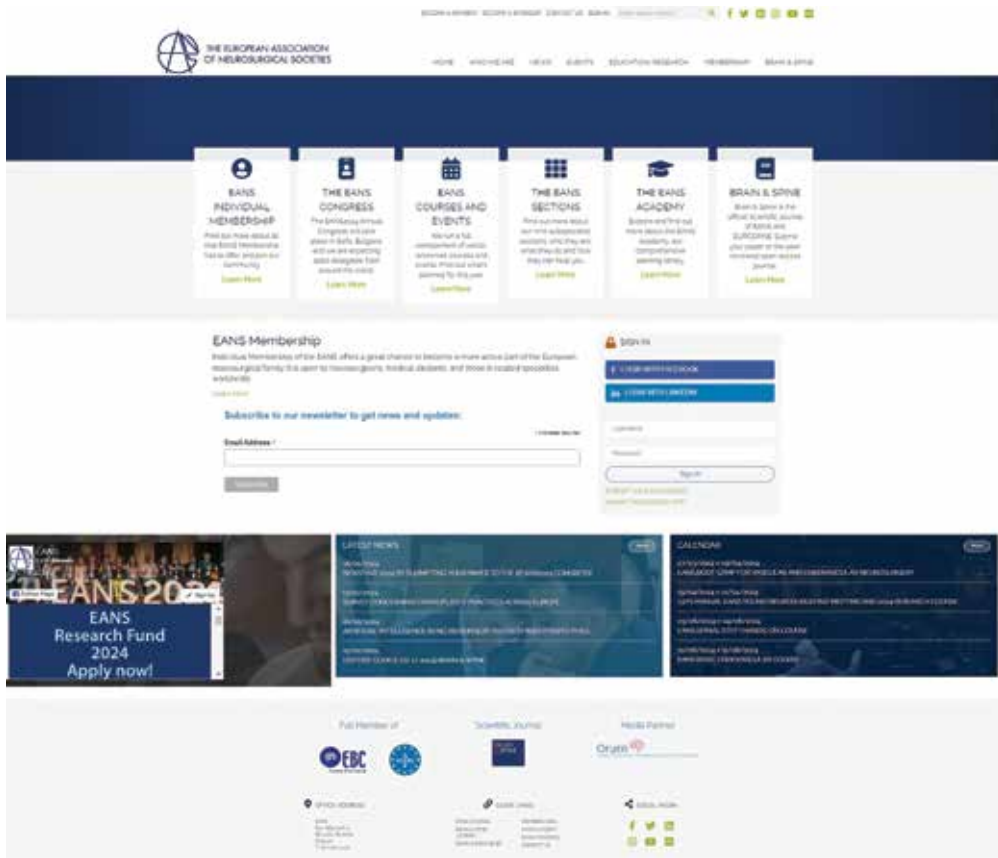
Visits by Topic 2021 - 2023



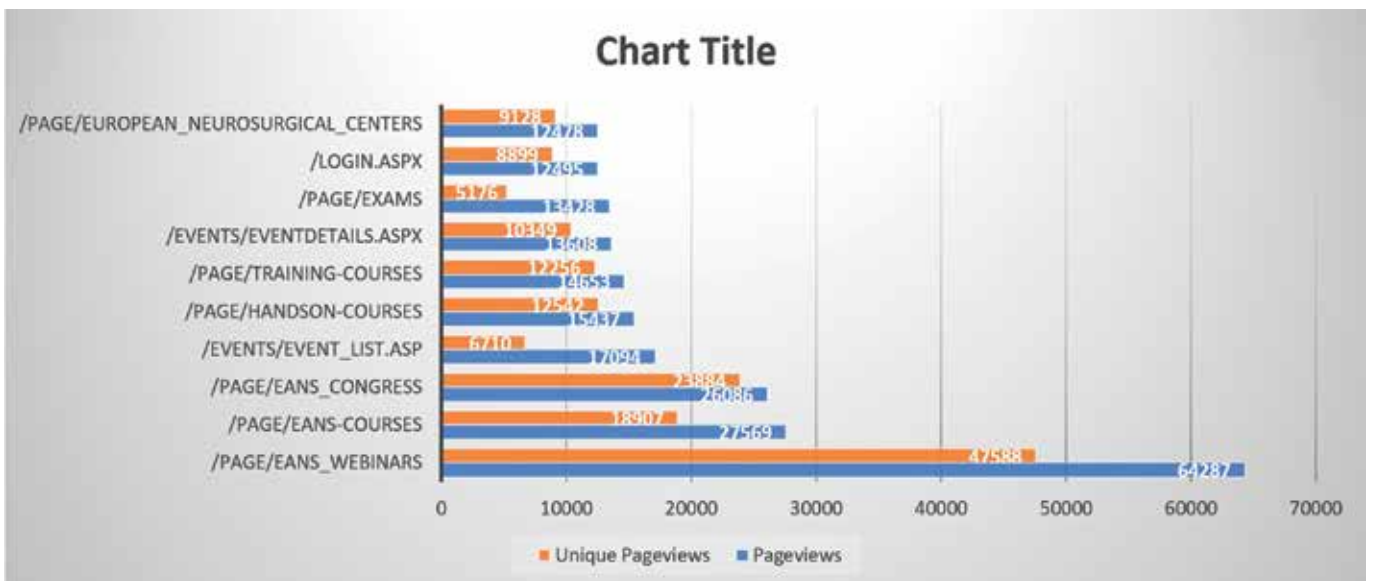
Trending content: Top 10 on-demand content (2022-23)

Title	Date	Average time spent
Part 1 - Young Neurosurgical Toolbox	Jan. 25, 2021	00:02:06
Part 2 - Schematic Cortical Anatomy	Jan. 25, 2021	00:03:50
Part 1 - Convexity Craniotomy	Jan. 25, 2021	00:02:24
Part 3 - How to recognise the central sulcus radiologically	Jan. 25, 2021	00:02:08
Part 4 - How to recognise the central sulcus using craniometrics points	Jan. 25, 2021	00:01:44
Part 3 - Bifrontal craniotomies	Jan. 25, 2021	00:09:52
Part 7 - Anatomy of the arcuate fasciculus	Jan. 25, 2021	00:03:24
Part 7 - Pterional Craniotomy	Jan. 25, 2021	00:07:01
Comparison of treatments for lumbar degenerative disease	Feb. 17, 2014	00:31:30
Part 5 - the Lateral sulcus	Jan. 25, 2021	00:06:46

Our website (eans.org)



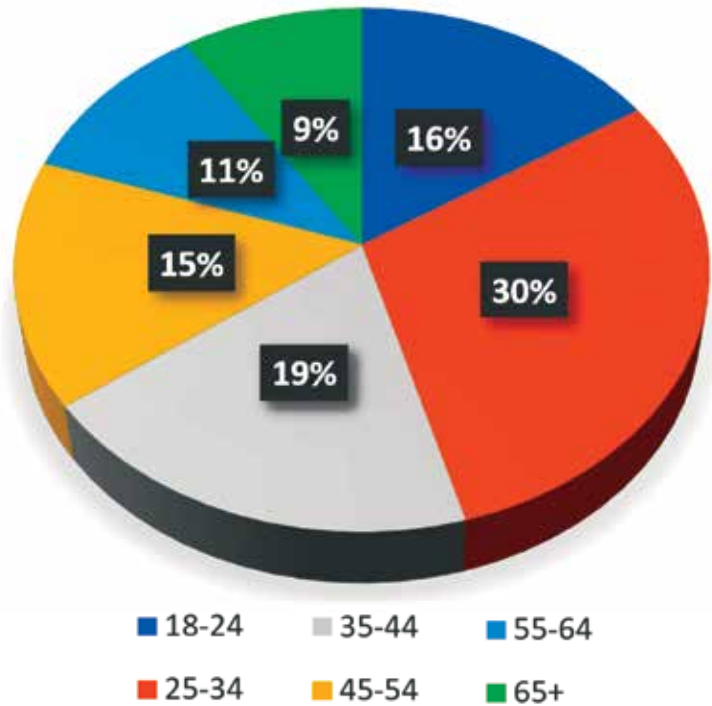
Total Visitors	180016
Average	493



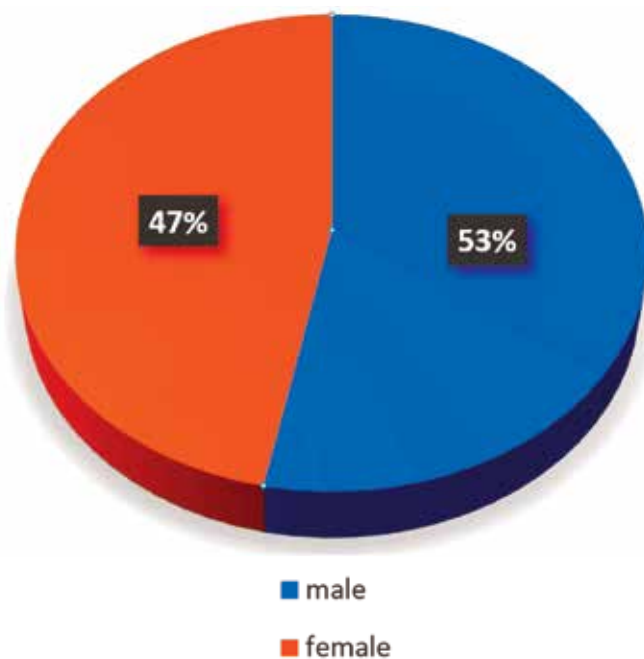
Visitors by Country

Germany	13801	12.38%
United Kingdom	9976	8.95%
United States	7443	6.68%
Italy	6356	5.70%
Switzerland	4474	4.01%
Spain	4318	3.87%
India	3804	3.41%
Turkey	3070	2.75%
France	3031	2.72%
Netherlands	3016	2.71%
Greece	2950	2.65%
Belgium	2724	2.44%
Austria	2435	2.18%
Ukraine	2355	2.11%
Russia	2240	2.01%
Romania	1988	1.78%
Poland	1895	1.70%
Portugal	1745	1.57%
Brazil	1701	1.53%
Saudi Arabia	1535	1.38%
Finland	1419	1.27%
Sweden	1319	1.18%
Mexico	1058	0.95%
Czechia	1018	0.91%
Canada	1009	0.90%
OTHER		22.26%

Visitors by Age



Visitors by Gender



Social Media

EANSonline

Active Social Media



6.6K
Followers

Facebook

Facebook is preferred from people for fun and entertainment activities

1,8K
Followers

X (ex Twitter)

104.7% increase since the account was hacked in Aug 2021 and had to be created from scratch. It offers opportunities for discussion.

8.9K
Followers

LinkedIn

63% increase in the past year. Social media tool for professionals. Our neurosurgical community is very much engaged with our posts.

2.7K
Followers

Instagram

59% increase in the past year. Youngsters prefer this SoMe channel. Stories and reels are powerful promotional tools.

3.45K
Subscribers

Youtube

72% increase in the past year. We get a lot of traffic to our channel through our promo videos and our successful webinars.

FOLLOW us, comment, like and SHARE!

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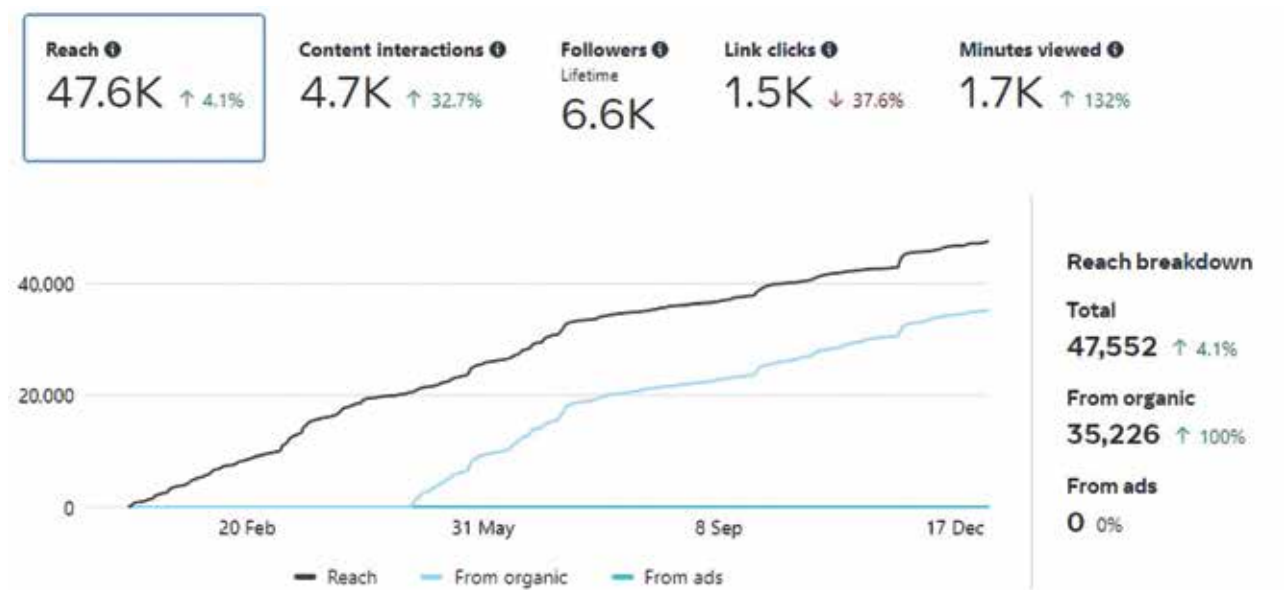
 @Youtube



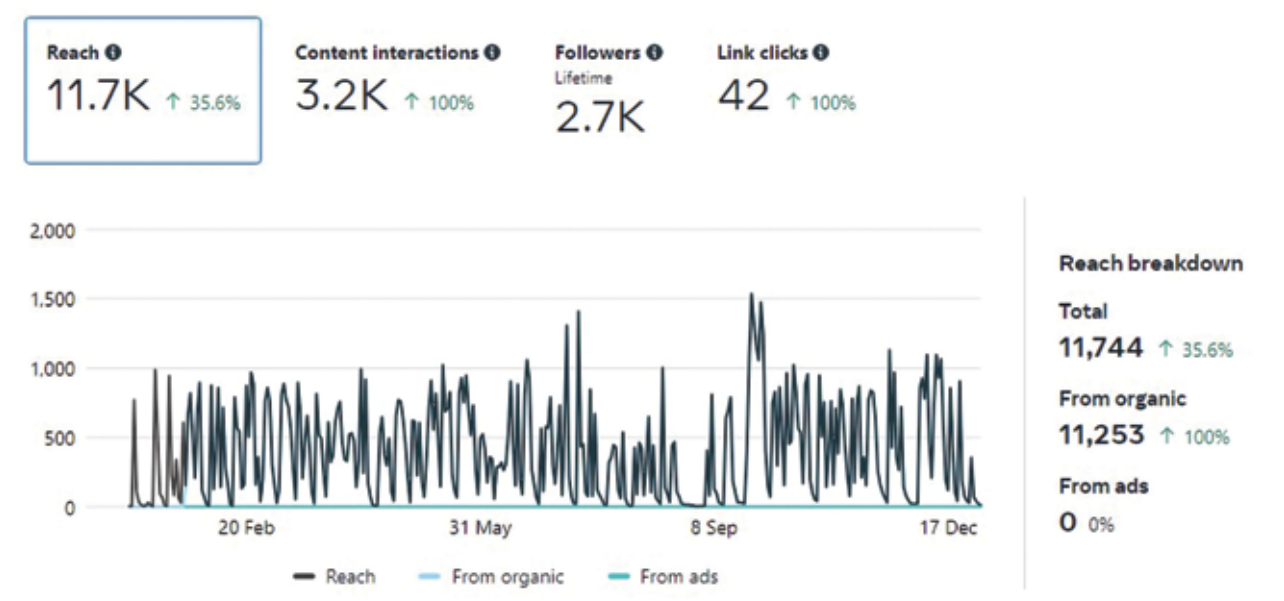
 EANS Online



Facebook Performance 2023



Instagram Performance 2023

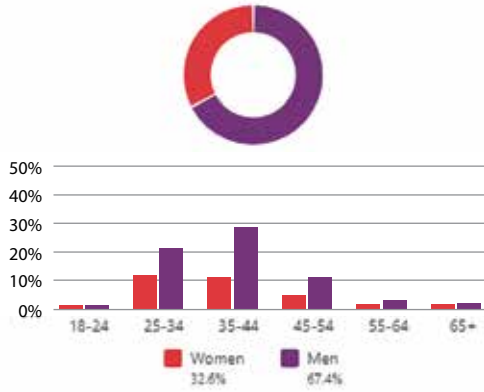


Facebook & Instagram Demographics

Facebook followers ⓘ

6,634

Age & gender ⓘ



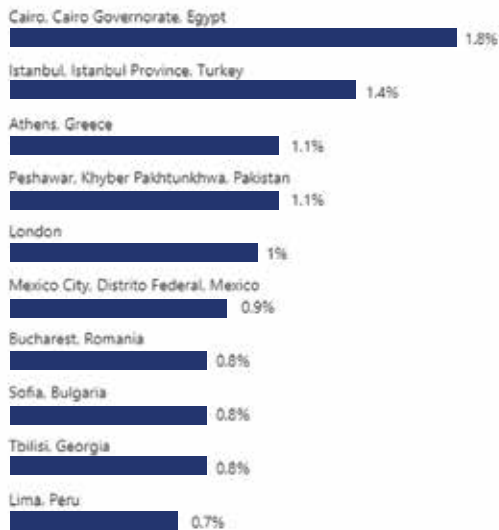
Instagram followers ⓘ

2,690

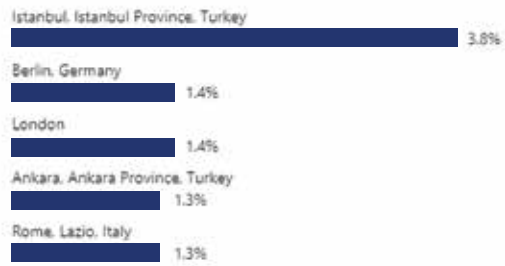
Age & gender ⓘ



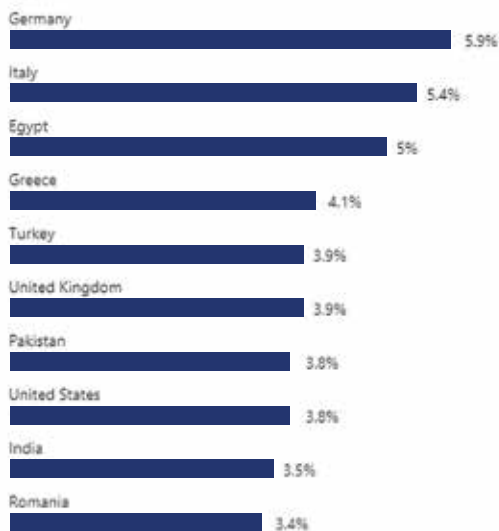
Top towns/cities



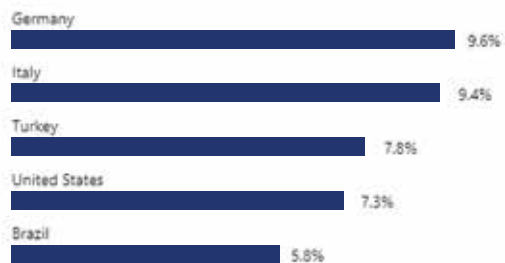
Top towns/cities



Top countries



Top countries



Twitter Top Monthly Performance 2023

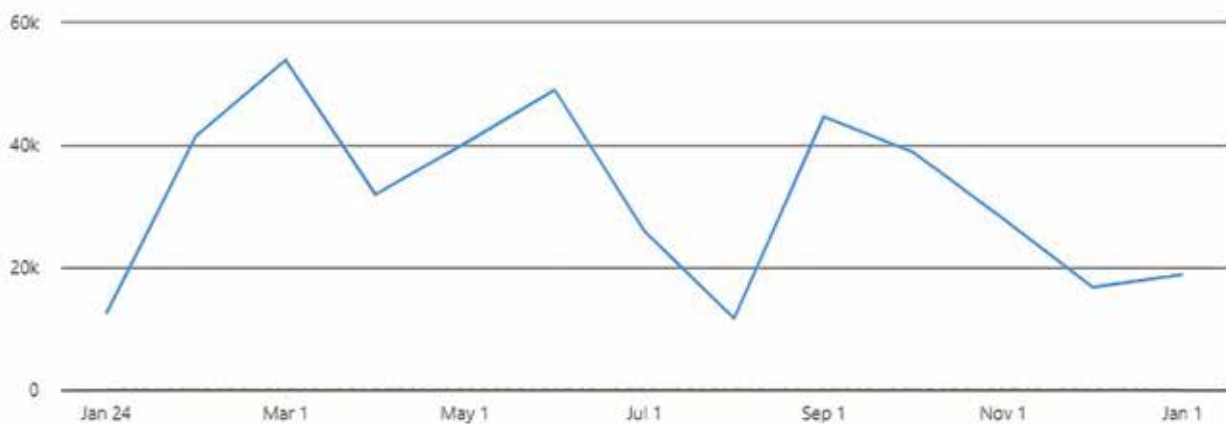
SEP 2023 SUMMARY

Post impressions
12.9K

New followers
82

LinkedIn Performance 2023

Impressions ▾



Visitor highlights

7,437
Page views

3,381
Unique visitors

267
Custom button clicks

Follower highlights

8,894
Total followers

2,786
New followers in the last 365 days

Follower Location

London Area, United Kingdom, United Kingdom · 194 (2.2%)



Greater Istanbul, Turkey · 150 (1.7%)



Greater Milan Metropolitan Area, Italy · 131 (1.5%)



Brussels Metropolitan Area, Belgium · 122 (1.4%)



New York City Metropolitan Area · 110 (1.2%)



The Randstad, Netherlands, Netherlands · 103 (1.2%)



Greater Paris Metropolitan Region, France · 96 (1.1%)



Greater Munich Metropolitan Area, Germany · 93 (1%)



Greater Madrid Metropolitan Area, Spain · 93 (1%)



Athens Metropolitan Area, Greece · 84 (< 1%)



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The reasons to join our community...

- 1 Be part of a vibrant, inclusive worldwide neurosurgical community. Cement existing friendships and forge new connections
- 2 Take part in Discussion Fora related to crucial issues of Neurosurgery
- 3 Get involved - there are leadership opportunities available: become a part of a committee or a section
- 4 You'll be eligible to apply for all EANS awards, prizes, fellowships and the EANS-AANS Neurosurgical Resident Exchange Programme
- 5 And to sit the European Board of Neurological Surgery Exams, parts I and II
- 6 Benefit from the EANS online social community platform YourMembership; connect & collaborate, interact & engage with other members and the organisation itself
- 7 Keep up to date: you'll receive regular newsletters and section updates.
- 8 Access to our journal "Brain & Spine"
- 9 Full access to our learning portal, the EANS Academy
- 10 Discounted registration fees to all EANS and other events
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European Brain Council



European Union of Medical
Specialists



Health Technology Assessment
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Societies



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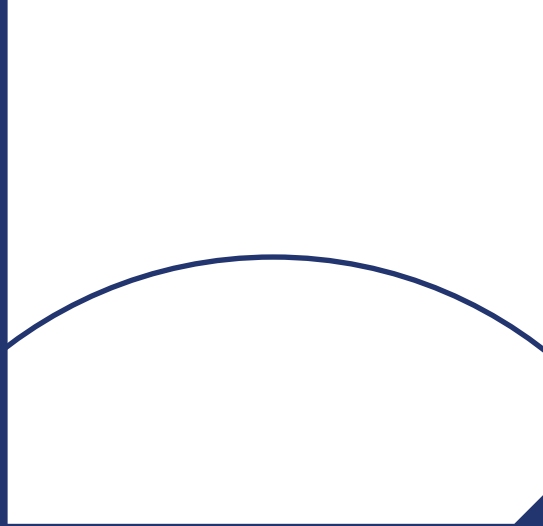


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