



International
Federation
of Neuroendoscopy

TRANSFORMED FROM 2006 SPICE 2001

10th IFNE

World Congress of Neuroendoscopy

19-22 November, 2023
Sands Expo & Convention Centre
Singapore

PRE-CONGRESS INTRAVENTRICULAR
NEUROENDOSCOPY AND SKULL BASE
HANDS-ON WORKSHOP

November 18-19, 2023
Wetlab at Academia, Singhealth



POCKET PROGRAM

www.ifnecongress.org



10th IFNE

World Congress of
Neuroendoscopy

19-22 November, 2023
Sands Expo & Convention Centre
Singapore

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Scan the below QR code using your Android or iOS device.

Download the application. When you are prompted for a code upon launching the App, insert **IFNE2023**.

The App may be used without logging in. If you do decide to log in, you will be able to use some additional features, such as messaging other attendees (having consent to) and your personalized agenda. In order to log in, tap the Log In icon and insert your email address and the 4-digit PIN that you can see on your badge.





Welcome Letter

Dear colleagues and friends,

It is with great pleasure and pride to welcome you to the 10th World Congress of Neuroendoscopy, in Marina Bay Sands Expo and Convention Centre, Singapore.

We aspire to bring to you a comprehensive scientific program comprising techniques, advances, and innovations in Neuroendoscopy of the brain and ventricles, skull base and spine, with the valuable support of renowned international experts in these areas.

The pre-congress Ventricular and Skull Base Endoscopy hands-on cadaver workshop takes place on November 18-19, 2023, with hands-on sessions and demonstrations of state-of-the-art techniques workshops.

This Congress in Singapore is the first time the IFNE World Congress of Neuroendoscopy come to South-east Asia and give tremendous exposure and opportunity to neurosurgeons in the region to learn neuroendoscopy and make neuroendoscopic procedures more accessible to our patients.

We look forward to meeting and networking with you over the coming days.

Warmest wishes,

Wan Tew Seow
2023 Congress Chairman



Organized by



International
Federation
of Neuroendoscopy

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Wan Tew Seow, *Senior Consultant,
Department of Neurosurgery, National
Neuroscience Institute (NNI) Singapore*

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IFNE Administrative Secretariat & 10th IFNE World Congress

Organizing Bureau

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Important Addresses

Pre-Congress workshop venue

Academia Singapore General Hospital

SingHealth Wetlab

20 College Road, Basement-1

Singapore 169856

Congress Venue

Sands Expo & Convention Centre

Level 4

10 Bayfront Ave, Singapore

www.marinabaysands.com

About IFNE

The International Federation of Neuroendoscopy (IFNE) is an association that seeks to promote the development of neuroendoscopy worldwide with meetings, courses, and publications. For the time being it has 2 major events:

IFNE Congress being held on a biennial basis and IFNE Hands-on Workshop occurring every year and jointly organized by IFNE and other major neuroendoscopic societies worldwide.



General Information

Badges: Each participant receives a name badge upon check-in at the registration desk. This badge should be always worn in order to access the session rooms and other events. Please note that access to the meeting areas will not be permitted without an official name badge.

Certificate of Attendance: The Certificate of Attendance can be downloaded after completing the delegates survey, which will be sent via e-mail after the Congress.

Currency: The local currency is the Singapore dollar (SGD).

Language: The official language of the 10th IFNE Congress of Neuroendoscopy is English.

Liability & Insurance

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

Registration Desk: The Registration Desk is located at the main meeting entrance. The opening hours are:

November 18, 2023

📍 SingHealth Wetlab, 20 College Road, Basement-1, Academia

🕒 07:00-17:00

November 19, 2023

📍 Sands Expo & Convention Centre Level 4

🕒 08:00-13:30

🕒 17:00-20:00

November 20, 2023

📍 Sands Expo & Convention Centre Level 4

🕒 08:00 -18:00

November 21, 2023

📍 Sands Expo & Convention Centre Level 4

🕒 07:00-18:30

November 22, 2023

📍 Sands Expo & Convention Centre Level 4

🕒 07:00 -14:30

SCIENTIFIC PROGRAMME



Pre-congress Intraventricular Neuroendoscopy and Skull Base Hands-on Workshop





Saturday, November 18th, 2023

SingHealth Wetlab, 20 College Road, Basement-1, Academia

07:50-08:00	Welcome Address Henry Schroeder (Germany)
08:00-12:00	Basic Brain and Intra-ventricular Procedures Chair: Giuseppe Cinalli (Italy)
08:00-08:10	Adrian Caceres (Costa Rica): Endoscope: <i>Basic Principles and Instrumentation – basic and adjuncts including navigation, ultrasonic aspirators and lasers</i>
08:10-08:20	Kenichi Nishiyama (Japan): <i>Endoscopic Anatomy of the Ventricles</i>
08:20-10:00	Giuseppe Cinalli (Italy): <i>Cadaveric/Training Models Demonstration and Hands-on Laboratory</i> <i>Instructions for the workshop</i>
10:00-10:30	Coffee Break
10:30-12:00	Cadaveric/Training Models Demonstration and Hands-on Laboratory
12:00-12:30	Lunch
12:30-17:00	Endoscopic Approaches to the Skullbase Chairs: Amin Kassam (USA), Henry Schroeder (Germany)
12:30-12:45	Henry Schroeder (Germany): <i>Skull base approaches – Overview</i>
12:45-13:00	Amin Kassam (USA): <i>Endoscopic endonasal anatomy of the midline skull base</i>
13:00-15:00	Podium Dissection and Hands-on Laboratory
15:00-15:15	Coffee Break
15:15-17:00	Podium Dissection and Hands-on Laboratory



Sunday, November 19th, 2023

Sands Expo and Convention Centre, Level 4, Melati, 4110 Room

08:30-13:30 Neuroendoscopy Lectures with Case Discussions

08:30-10:45 Brain and Ventricles

Chairs: **Henry Schroeder** (Germany), **Giuseppe Cinalli** (Italy)

08:30-08:45 Kenichi Nishiyama (Japan): *ETV, Septostomy and ETV+CPC- Indications, surgical techniques and results*

08:45-09:00 Giuseppe Cinalli (Italy): *Multiloculated hydrocephalus – classification, surgical techniques*

09:00-09:15 Giuseppe Cinalli (Italy): *Endoscopic management of tumors – ETV, biopsy/removal in pineal tumors, intraventricular tumors, post fossa tumors*

09:15-09:30 Tomoru Miwa (Japan): *Endoscopic management of intracranial arachnoid cysts*

09:30-09:45 Adrian Caceres (Costa Rica): *Neuroendoscopy in brain abscess and ventriculitis, TB meningitis and neurocysticercosis*

09:45-10:00 Hisayuki Murai (Japan): *Endoscopy in Intracranial hemorrhage*

10:00-10:15 Kazuhito Takeuchi (Japan): *Cylinder tumor surgery*

10:15-10:30 Henry Schroeder (Germany): *Dry field technique in intraventricular surgery*

10:30-10:45 Q&A

10:45-11:15 Coffee Break

11:15-13:30 Skullbase

Chairs: **Henry Schroeder** (Germany), **Chandrashekhara Deopujari** (India)

11:15-11:35 Stefan Wolfsberger (Austria): *Advanced techniques for endoscopic skull base surgery*



- 11:35-11:55 **Amin Kassam** (USA): *Endonasal perspective on midline skull base lesions*
- 11:55-12:15 **Waleed Azab** (Kuwait): *Endonasal approach for pituitary adenomas*
- 12:15-12:35 **Henry Schroeder** (Germany): *Endonasal approach for craniopharyngiomas*
- 12:35-12:55 **Ruediger Gerlach** (Germany): *Endonasal approach to Cavernous Sinus*
- 12:55-13:15 **Chandrashekhar Deopujari** (India): *Endonasal approaches for clival chordomas and CJV lesions*
- 13:15-13:30 Q&A
- 13:30 **Adjourn**
- 17:00-20:00 **Registration**
- 20:00-21:30 **Welcome Reception**

SCIENTIFIC PROGRAMME



Congress

Sands Expo and Convention Centre
Level 4





Monday, November 20th, 2023

Sands Expo and Convention Centre • Level 4

📍 Plenary Hall

08:30-10:30 **Pioneers in Neuroendoscopy**

Chairs: **Seow Wan Tew** (Singapore), **Henry Schroeder** (Germany)

08:30-08:42 **Wan Tew Seow** (Singapore): *Training and Education in Neuroendoscopy*

08:42-08:54 **Samer Elbabaa** (USA): *ETV and ETV/CPC for Management of Hydrocephalus in the Fetal In-Utero Spina Bifida Repair Pediatric Population*

08:54-09:06 **Abhaya Kulkarni** (Canada): *ETV/CPC in infants and update on the North American randomized trial*

09:06-09:18 **Sandi Lam** (USA): *Neuroendoscopic approaches to pediatric epilepsy surgery: corpus callosotomy, hemispherectomy, posterior quadrant disconnection*

09:18-09:30 **Henry Schroeder** (Germany): *Endoscopic resection of colloid cysts*

09:30-09:42 **Giuseppe Cinalli** (Italy): *Endoscopic ultrasonic aspiration of intraventricular tumors in children*

09:42-09:54 **Luigi Maria Cavallo** (Italy): *The endonasal route for craniopharyngiomas with intraventricular extension*

09:54-10:06 **Doo-Sik Kong** (South Korea): *Endoscopic Transorbital Surgery for Posterior fossa- involving skull base tumors*

10:06-10:18 **Joachim Oertel** (Germany): *Spine endoscopy: when, what and why?*

10:18-10:30 Q&A

10:30-11:00 **Coffee Break**



 **Plenary Hall**

11:00-12:00 Surgery for Skull base tumors

Chairs: **Zhao Peng** (China), **Locatelli Davide** (Italy)

- 11:00-11:08 **Diego Mazzatenta** (Italy): *Multimodal strategy for skull base chordomas*
- 11:08-11:16 **Robert Reisch** (Switzerland): *Transnasal endoscopy: the uniportal transnasal approach for large and giant tumors of the central skull base*
- 11:16-11:24 **Rudiger Gerlach** (Germany): *Interdisciplinary endoscopic endonasal surgery of sinusal malignancies*
- 11:24-11:32 **Cristian Gragnaniello** (USA): *Management of lesions of the cribriform*
- 11:32-11:40 **Gokmen Kahilogullari** (Turkey): *Operative nuances on endonasal endoscopic approach for pediatric craniopharyngiomas*
- 11:40-11:48 **Stefan Linsler** (Germany): *Pure endoscopic surgery of trigeminal neuralgia via minicraniotomy – technique and outcome*
- 11:48-12:00 Q&A

 **Hall A**

11:00-12:00 Neuroendoscopic approach to the ventricles I

Chairs: **Spyros Sgouros** (Greece), **Ulrich-Wilhelm Thomale** (Germany)

- 11:00-11:08 **Piero Andrea Oppido** (Italy): *Tip and tricks using laser in ventricular neuroendoscopy*
- 11:08-11:16 **Xiaolei Chen** (China): *Pure ventriculoscopic resection of intraventricular solid lesions: a technical feasibility and safety study*
- 11:16-11:24 **Alberto Feletti** (Italy): *The roof of the 4th ventricle seen in vivo from inside: endoscopic anatomical redefinition of microsurgical landmarks*
- 11:24-11:32 **Xiaobiao Zhang** (China): *Endoscopic surgical approaches for the 3rd ventricle*
- 11:32-11:40 **Patel Nimeshkumar** (India): *Intraventricular Endoscopic surgery- future prospective*
- 11:40-12:00 Q&A



Hall B

11:00-12:00 **Spine Endoscopy I**

- Chairs: **Kumar Dinesh Shree** (Singapore), **Joachim Oertel** (Germany)
- 11:00-11:08 **Weiping Liu** (China): *Full endoscopic surgery via unilateral micro-hemilaminectomy approach for spinal intradural extramedullary lesions*
- 11:08-11:16 **Wesley Alaba** (Peru): *Lumbar Endoscopic Surgery Our Development*
- 11:16-11:24 **Singh Chhabra Satnam** (India): *Endoscopic Surgery for Far Lateral Lumbar Disc Herniation*
- 11:24-11:32 **Mohamad Hossain** (Dhaka): *Percutaneous endoscopic Lumbar Discectomy*
- 11:32-11:40 **Thomas Tan** (Singapore): *Hemostasis in endoscopic spine surgery*
- 11:40-12:00 Q&A



Plenary Hall

12:00-13:00 **Complications in skull base surgery**

- Chairs: **Chandrashekhara Deopujari** (India), **Sebastien Froelich** (France)
- 12:00-12:08 **Ramesh Teegala** (India): *Endoscopic trans nasal CSF rhinorrhea repair: An institutional experience*
- 12:08-12:16 **Kenichi Oyama** (Japan): *Tips for hemostasis during the endoscopic endonasal cranial base surgery*
- 12:16-12:24 **Chiyuan Ma** (China): *A simplified reconstruction strategy for intra-op CSF leak in endoscopic endonasal surgery*
- 12:24-12:32 **Kosaku Amano** (Japan): *Complication avoidance of endoscopic transsphenoidal surgery*
- 12:32-12:40 **Yan Huiying** (China): *Management of arterial rupture during endoscopic transnasal surgery and case sharing*
- 12:40-12:48 **Mohamed Samy Elhammady** (UAE): *Management of vascular injuries in endoscopic endonasal skull base surgery*
- 12:48-13:00 Q&A



 **Hall A**

12:00-13:00 ETV & Complex hydrocephalus

Chairs: **Adrian Caceres** (USA), **Tenoch Herrada-Pineda** (Mexico)

12:00-12:08 **Mohamed El Beltagy** (Egypt): *Complications of ventricular endoscopy*

12:08-12:16 **Sharon Low** (Singapore): *Retrospective analysis of ETV cases from a single institution: correlation with the ETV Success Score*

12:16-12:24 **Flavio Giordano** (Italy): *ETV and shunt dysfunction*

12:24-12:32 **Manas Panigrahi** (India): *Failure of ETV - causes and Pathogenesis*

12:32-12:40 **Raju Subodh** (India): *Management of complex hydrocephalus- Neuroendoscopy and adjuncts*

12:40-12:48 **Sanjeev Kumar** (India): *Extra Axial Endoscopic Third Ventriculostomy (EAETV)*

12:48-13:00 Q&A

 **Hall B**

12:00-13:00 Pituitary surgery

Chairs: **David Locatelli** (Italy), **Diego Mazzatenta** (Italy)

12:00-12:08 **Jae Sung Park** (Korea): *Application of fusion-fluorescence ICG imaging for neuroendoscopic surgery of pituitary neuroendocrine tumors (PitNETs)*

12:08-12:16 **Mohamad Hossain** (Dhaka): *Endoscopic Pituitary Surgery*

12:16-12:24 **Prakash Nair** (India): *Mobilization of the medial cavernous sinus wall for functioning pituitary adenomas: Technique and results*

12:24-12:32 **Li Chuzhong** (China): *Endoscopic Transnasal Resection of Pituitary Tumors Invading Suprasellar Area*

12:32-12:40 **Yongfei Wang** (China): *Association of Combined Simultaneous Transsphenoidal and Transcranial Strategy vs Non-combined Strategy With Surgical Outcomes Among Patients With Giant Complex Pituitary Adenoma*



12:40-12:48 **Mahmoud Messerer** (Switzerland): *Large and Giant pituitary neuroendocrine tumors: surgical indications and outcome*

12:48-13:00 Q&A

 **Plenary Hall**

13:00-14:00 **Luncheon Symposium** (Sponsored by Karl Storz)
For detailed program please see page 37

 **Plenary Hall**

14:00-16:00 **New frontiers in skull base surgery**

Chairs: **Sebastien Froelich** (France), **Luigi Maria Cavallo** (Italy)

14:00-14:12 **Sebastien Froelich** (France): *Surgical strategy for skull base and CVJ chordomas*

14:12-14:24 **Alvaro Cordoba** (Uruguay): *Endoscopic endonasal clipping of carotid aneurysms in the sphenoid sinus*

14:24-14:36 **Takeo Goto** (Japan): *Endoscopic key hole approaches to skull base tumors*

14:36-14:48 **Songbai Gui** (China): *The predictive value of intraoperative visual evoked potential for visual outcome after extended endoscopic endonasal surgery for adult craniopharyngioma*

14:48-15:00 **Chandrashekhara Deopujari** (India): *15 years of experience of endoscopic surgery of craniopharyngiomas*

15:00-15:12 **Yazhuo Zhang** (China): *Endoscopic endonasal approach for the treatment of cavernous sinus tumors*

15:12-15:24 **Mahmoud Messerer** (Switzerland): *Title to Be advised*

15:24-15:36 **Giuseppe Minniti** (Italy): *Combined surgery and radiosurgery for complex skull base tumors*

15:36-16:00 Q&A

16:00-16:30 **Coffee Break**



 **Plenary Hall**

16:30-18:00 Skull Base I

Chairs: **Ruediger Gerlach** (Germany), **Ramez Kirolos** (Singapore)

- 16:30-16:35 **Zhengcun Yan** (China): *Anatomical study and clinical application of neuroendoscopic subtemporal keyhole approach*
- 16:35-16:40 **Hengzhu Zhang** (China): *Anatomical study and clinical application of neuroendoscopic transfarlateral supracerebellar infratentorial keyhole approach*
- 16:40-16:45 **Krisna Tsaniadi Prihastomo** (Indonesia): *Extending Cerebello-Pontine Angle Microsurgery Approach View Using Angled Endoscope: Going Further Without Open Wider*
- 16:45-16:50 **Mariam Al-Mutawa** (Kuwait): *Etiology and management of recurrent hemifacial spasm – A single-center experience*
- 16:50-16:55 **Krishna Tej Reddy Kancherla** (India): *Translating four hander endoscope assisted technique from endo nasal to the pineal region*
- 16:55-17:00 **Donny Wisnu Wardhana** (Indonesia): *Endoscopic Endonasal Transpterygoid Approach for Resection of Carotid Sympathetic Plexus Schwannomas: A Cadaveric Stepwise Dissection, Technical Nuances and Surgical Outcomes*
- 17:00-17:05 **Sanjeev Kumar** (India): *Endoscopic Clipping of anterior communicating artery aneurysms*
- 17:05-17:10 **Klaus A. Leber** (Austria): *Endoscope-assisted, minimal invasive microsurgery of intracranial aneurysms*
- 17:10-17:15 **Bing Sun** (China): *Fully Endoscopic Microvascular Decompression Surgery*
- 17:15-17:20 **Rajeev Sreenath** (India): *Endoscopic Trans-pterygoid approach for Skullbase lesions- An Institutional experience*
- 17:20-18:00 Q&A



16:30-18:00	Brain
	Chairs: Bassel Zebian (UK), Alvaro Cordoba (Uruguay)
16:30-16:35	Krishna Shroff (India): Endoscopic Biopsy of Lateral and Third ventricular tumours: experience of a single neurosurgical unit
16:35-16:40	Hua Yang (China): Application of Navigation-guided Microscope-endoscope Fusion of Venous Sulcus Keyhole Approach in Intracranial Cavernous Hemangioma
16:40-16:45	Esteban H Vega-torres (Mexico): Technical Note: Use of ARTEMIS™ Devices to Improve high viscose colloid cyst content evacuation
16:45-16:50	Tamilanandh Mavuretty Periyasamy (India): Complication Avoidance in Endoscopic Management of Colloid cyst
16:50-16:55	Eyup Bayatli (Turkey): Neuroendoscopic Approach for Pineal Region Lesions: Single-Centre Experience
16:55-17:00	Qing Wang (China): Paramedian Supracerebellar Infratentorial Approaches to Pineal or Supracerebellar Region Diseases
17:00-17:05	Filippo Andrea Sinosi (Italy): Flexible Endoscope-assisted Evacuation of a Subacute Subdural Hematoma in an Elderly Patient via a Single Burr Hole
17:05-17:10	Clarissa Ann Elisabeth Gelmi (Italy): Full endoscopic evacuation of Chronic Subdural Hematomas – A single center case series and a Literature Review
17:10-17:15	Zhi Chao Gan (China): Smartphone navigated endoscopic port surgery of hypertensive basal ganglia hemorrhage
17:15-17:20	Clarissa Ann Elisabeth Gelmi (Italy): Minimally Invasive Full endoscopic 3D-dynamic four-hands surgical technique (MInDFul) to approach intracranial lesions – A monocentric case-series
17:20-17:25	Xinghua Xu (China): Comparison of Endoscopic Surgery with Craniotomy and Stereotactic Aspiration for Treatment of Spontaneous Intracerebral Hemorrhage: A Multicenter Randomized Controlled Trial
17:25-18:00	Q&A



16:30-18:00 Journey in Neuroendoscopy

Chairs: **Joachim Oertel** (Germany), **Zhao Peng** (China)

- 16:30-16:35 **Yasushi Shin** (China): *Endoscopic neurosurgery in the Hybrid operation room – Design, Workflow, and Clinical Application*
- 16:35-16:40 **Petra Octavian Perdana Wahjoepramono** (Indonesia): *Learning Curve of Endoscopic spine surgery: Personal Experience*
- 16:40-16:45 **Rina Agushi** (Italy): *Endoscopic Fenestration of a giant posterior fossa arachnoid cyst*
- 16:45-16:50 **Naiyuan Shao** (China): *Pure neuroendoscopic surgery of trigonal meningiomas via contralateral posterior interhemispheric transfalciine transprecuneus approach*
- 16:50-16:55 **Sunil Kumar Singh** (India): *Role of Endoscopy in the management of CSDH*
- 16:55-17:00 **Roland Sidabutar** (Indonesia): *Endoscopy for Sellae Region Lesions Personal Experience review in single institutions*
- 17:00-17:05 **Xiao-Jie Lu** (China): *Endoscopic transcranial transdiaphragmatic approach in a single-stage surgery for giant pituitary adenomas*
- 17:05-17:10 **Bimal Kumar Sahoo** (India): *Neuronavigation guided Endoscopic Spontaneous Intracerebral Hematoma Removal- Tips, Tricks and Pitfalls*
- 17:10-17:15 **Anil Kumar** (India): *Extended endonasal endoscopic approach for anterior midline skull base lesions*
- 17:15-17:20 **Rene Regatschnig** (Austria): *A comparison between the new evolving Exoscope and Neuroendoscopy, will Exoscopes replace Endoscopy in Neurosurgery?*
- 17:20-18:00 Q&A



Tuesday November 21st, 2023

Sands Expo and Convention Centre • Level 4

 Plenary Hall

07:15-08:15 **Controversies in meningioma surgery**

Chair: **Henry Schroeder** (Germany)

07:15-07:30 **Retnathankom Ayyadurai** (India): *Endo nasal endoscope assisted approaches for the petroclival meningiomas*

07:30-07:45 **Sabino Luzzi** (Italy): *Ventral Foramen Magnum Meningiomas: Anterior vs. Posterior Transcondylar Approaches*

07:45-08:00 **Luigi Maria Cavallo** (Italy): *Endonasal route for skull base meningiomas*

08:00-08:15 **Henry Schroeder** (Germany): *Transcranial vs Endonasal approaches for skull base meningiomas*

 Hall A

07:15-08:15 **Management of pineal and third ventricular tumors in pediatric patients**

Chair: **Samer Elbabaa** (USA)

07:15-07:30 **Quan Zhou** (China): *Purely Endoscopic paramedian supracerebellar infratentorial approach to pineal region tumor*

07:30-07:45 **William C. Gump** (USA): *Diagnostic yield of endoscopic biopsy plus CSF markers in pediatric pineal region tumors*

07:45-08:00 **Samer Elbabaa** (USA): *Endoscope-controlled and Endoscope-assisted Supra-cerebellar Infra-tentorial Approaches to The Pineal Region in Children*

08:00-08:15 **Mohamed Rady** (India): *Endoscopic management of pineal and third ventricular tumors in children*



 **Plenary Hall**

08:30-10:30 **Advancements in Neuroendoscopy**

Chairs: **Alvaro Cordoba** (Uruguay), **Kenichi Nishiyama** (Japan)

08:30-08:42 **Stefan Wolfsberger** (Austria): *Technological Advances for Complication Avoidance in Neuroendoscopy*

08:42-08:54 **Bassel Zebian** (UK): *Neuro-endoscopy in the management of ventricular and paraventricular lesions*

08:54-09:06 **Waleed Azab** (Kuwait): *Keyhole transcranial surgery under full endoscopic control*

09:06-09:18 **Ulrich-Wilhelm Thomale** (Germany): *Ultrasonic aspiration technique for tumors and epilepsy in children*

09:18-09:30 **Zhang Xin** (China): *Neurosurgical Application of Pineal Region Tumor Resection with 3D 4K Exoscopy via Infratentorial Approach*

09:30-09:42 **Jay Riva-Cambrin** (Canada): *Comparing healthcare utilization between ETV+CPC and shunts for the treatment of infant hydrocephalus, an HCRN study*

09:42-09:54 **Kenichi Nishiyama** (Japan): *Endoscopic Management for complications related to CSF shunt*

09:54-10:06 **Spyros Sgouros** (Greece): *Technology in neuroendoscopy: thinking of the past, contemplating the future*

10:06-10:30 Q&A

10:30-11:00 **Coffee Break**

 **Plenary Hall**

11:00-12:00 **Innovative skull base approaches**

Chairs: **Yazhuo Zhang** (China), **Suresh Sankhla** (India)

11:00-11:08 **Juan Barges Coll** (Mexico): *Endonasal endoscopic odontoidectomy surgical technique and case series*

11:08-11:16 **Suresh Sankhla** (India): *Endonasal endoscopic odontoidectomy: Technical nuances and outcome*



- 11:16-11:24 **Mohamed Samy Elhammady (UAE): Endoscopic endonasal decompression of craniocervical junction pathologies**
- 11:24-11:32 **Harminder Singh (UK): Endoscopic endonasal odontoid resection - Is it superior to the transoral or trans-facial approaches?**
- 11:32-12:00 Q&A



Hall A

11:00-12:00 Complications in Neuroendoscopic surgery

- Chairs: **Kazuhito Takeuchi (Japan), Samuel Tau Zymberg (Brazil)**
- 11:00-11:08 **Tenoch Herrada-Pineda (Mexico): Complications of Endoscopic third Ventriculostomy, and Endoscopic management of intraventricular infections**
- 11:08-11:16 **Adrian Caceres (USA): Neuroendoscopic management of pioventriculitis**
- 11:16-11:24 **Jonathan Roth (Israel): The prepontine block and the importance in neuroendoscopy**
- 11:24-11:32 **Ramez Kirolos (UK): Intra-ventricular endoscopic procedures at the Foramen of Monro: the relevance of normal anatomic-radiological studies**
- 11:32-12:00 Q&A



Hall B

11:00-12:00 Endoscopic craniosynostosis treatment

- Chairs: **Alber Sufianov (Russia), Mohamed El Beltagy (Egypt)**
- 11:00-11:08 **Hans Delye (Netherlands): Endoscopic craniosynostosis**
- 11:08-11:16 **Germán Ballesteros C (Mexico): Experience in mono and multisutural craniosynostosis with endoscopic technique**
- 11:16-11:24 **Mohamed Al-Olama (UAE): Endoscopic craniosynostosis repair, our experience**



- 11:24-11:32 **Rolando Jimenez-Guerra** (Mexico): *Endoscopic suturectomy for craniosynostosis in neonates*
- 11:32-11:40 **Alber Sufianov** (Russia): *Exo-endoscopic surgical treatment of craniosynostosis in children*
- 11:40-12:00 Q&A

 **Plenary Hall**

12:00-13:00 **Endoscopic orbital & multiportal approaches**

- Chairs: **Doo-Sik Kong** (South Korea), **Calvin Mak** (Hong Kong)
- 12:00-12:08 **Davide Locatelli** (Italy): *Endoscopic endonasal and transorbital approaches to the orbit and more..*
- 12:08-12:16 **Doo-Sik Kong** (South Korea): *Multiportal endoscopic routes to the skull base: ideas, anatomy and applications*
- 12:16-12:24 **Calvin Mak** (Hong Kong): *Endoscopic transorbital surgery to the skull base and beyond*
- 12:24-12:32 **Ju Hyung Moon** (South Korea): *Endoscopic Transorbital Surgery for Anterior Clinoidal Meningiomas*
- 12:32-12:40 **Chiman Jeon** (Korea): *Endoscopic transorbital approach to the Meckel's cave*
- 12:40-13:00 Q&A

 **Hall A**

12:00-13:00 **Intracranial cysts**

- Chairs: **Ulrich-Wilhelm Thomale** (Germany), **Jay Riva-Cambrin** (Canada)
- 12:00-12:08 **William C. Gump** (USA): *Endoscopic management of intraventricular arachnoid cysts*
- 12:08-12:16 **Giuseppe Cinalli** (Italy): *Endoscopic treatment of arachnoid and intraventricular cyst in children: Retrospective analysis of 84 cases*
- 12:16-12:24 **Samuel Tau Zymberg** (Brazil): *Third ventricle colloid cysts: An endoscopic case series emphasizing technical variations*
- 12:24-12:32 **Graciela Zuccaro** (Argentina): *Endoscopic treatment of intraventricular and periventricular cysts*



- 12:32-12:40 **Samuel Tau Zymberg** (Brazil): *Suprasellar arachnoid cyst: is mickey mouse alone?*
- 12:40-12:48 **François Lechanoine** (France): *Brain endoscopy: neuroendoscopic treatment of intracranial arachnoid cysts*
- 12:48-13:00 Q&A

 Hall B

12:00-13:00 Endoscopic management of Cerebral & Ventricular Hemorrhage

- Chairs: **Hisayuki Murai** (Japan), **Piero Andrea Oppido** (Italy)
- 12:00-12:08 **Alberto Feletti** (Italy): *Flexible endoscopic aspiration of intraventricular hemorrhage*
- 12:08-12:16 **Jason Chow** (Hong Kong): *Single burr hole, endoscope controlled clot evacuation for hypertensive capsular haematoma*
- 12:16-12:24 **Clemens Schirmer** (USA): *Update on the MIND trial (endoscopic evacuation of ICH)*
- 12:24-12:32 **Ahmed Maamoun Ashour** (Egypt): *Evaluation of endoscopic lavage for adult intraventricular hemorrhage outcome*
- 12:32-12:40 **Hisayuki Murai** (Japan): *Endoscopic treatment for intraparenchymal hemorrhage*
- 12:40-12:48 **Pathak Ashis** (India): *Comparison of various techniques & tools for Endoscopic evacuation of ICH*
- 12:48-13:00 Q&A

 Plenary Hall

13:00-14:00 Luncheon Symposium Sponsored by Japan Medical Company
For detailed program please see page 37

 Hall B

14:00-16:30 Joint meeting with Singapore endoscopic spine society

- 14:00-14:30 **Erwin Cornips** (Belgium): *Thoracic Disc Herniations: An Underestimated Disease in Search for a Surgical Care*



- 14:35-14:45 **Anm Mu Liang** (Singapore): *Evidence for Cervical Endoscopy and Cervical Biportal Endoscopy*
- 14:45-14:55 **Ang Chay You** (Singapore): *Uniportal Cervical Endoscopy*
- 15:00-15:10 **Thomas Tan** (Singapore): *Revision Lumbar Evidence*
- 15:10-15:20 **Ira Sun** (Singapore): *Tubular – Uniportal – Unilateral Biportal Endoscopy: Evidence and Personal Experience*
- 15:20-15:30 **Dennis Hey** (Singapore): *Uniportal vs Biportal Lumbar Endoscopic Spine Surgery – Which One to Choose*
- 15:30-15:40 **Huang Yilun** (Singapore): *Revision Lumbar Biportal*
- 15:45-15:55 **Gamaliel Tan** (Singapore): *Evidence for Endoscopic Fusion*
- 15:55-16:05 **Jiang Lei** (Singapore): *Uniportal Endolif*
- 16:05-16:15 **Wu Pang Hung** (Singapore): *Biportal Endolif*
- 16:15-16:25 **Reuben Soh** (Singapore): *Case Discussion*

 **Plenary Hall**

14:00-15:30 Approaches to paramedian and lateral Skull base

Chairs: **Waleed Azab** (Kuwait), **Yong-Hwy Kim** (Korea)

- 14:00-14:08 **Chiyuan Ma** (China): *Endoscopic Endonasal vs Microscopic Transcranial Surgery for the Cavernous Sinus Hemangioma*
- 14:08-14:16 **Shrivastava Adesh** (India): *Challenges with the posterior fossa tumor surgery and Endoscope to the rescue*
- 14:16-14:24 **A. Samy Youssef** (USA): *Combined endoscopic endonasal and open approaches to the lateral skull base*
- 14:24-14:32 **Sinha Sumit** (India): *Keyhole endoscopic assisted surgery for skull base tumors*
- 14:32-14:40 **Tao Hong** (China): *Endoscopic endonasal supraoptic and infraoptic approaches for complex “parasuprasellar” lesions: surgical anatomy, technique nuances, and case series*
- 14:40-14:48 **Masahiro Shin** (Japan): *Endoscopic lateral extended transphenoidal approach aiming for radical resection of skull base tumors in cavernous sinus*



14:48-14:56 **Wei Shi (China):** *Full-Endoscopy Surgery Applied in MVD for Hemifacial Spasm and Trigeminal Neuralgia*

14:56-15:04 **Samy Youssef (USA):** *Comparative analysis of endoscopic endonasal ipsilateral transpterygoid and contralateral transmaxillary approaches to the petro-clival region*

15:04-15:30 Q&A



Hall A

14:00-15:30 Neuroendoscopic approach to the ventricles II

Chairs: **Artur Henrique Galvao Bruno Da Cunha (Brazil), Abhaya Kulkarni (Canada)**

14:00-14:08 **Waleed Azab (Kuwait):** *Endoscope-controlled surgery for intraventricular lesions*

14:08-14:16 **Jaiswal Awadhesh (India):** *Endoscopic keyhole surgery for lateral ventricular tumors*

14:16-14:24 **Ascencio Monserrat Almaguer (Mexico):** *Neuroendoscopic lavage in ventriculitis*

14:24-14:32 **Carlos Brusius (Brazil):** *3D Anatomy Of The Human Brain Ventricular System, Using AI Technology*

14:32-14:40 **Luiz Antonio Dias Jr (Brazil):** *Intraventricular endoscopy*

14:40-14:48 **Onur Ozgural (Turkey):** *Approaches to the posterior 3th ventricle wall tumors via neuroendoscopy*

14:48-14:56 **Ahmed Zhody (Egypt):** *Mainstreamization of Endoscopic Procedures into Neurosurgical Practice*

14:56-15:04 **Krishna Kumar Bansal (India):** *Neuro-endoscopic excision of NCC*

15:04-15:12 **Flavio Giordano (Italy):** *Neuroendoscopic treatment of Multicystic Hydrocephalus*

15:12-15:30 Q&A



Plenary Hall



15:30-16:00 **Honored guest lecture:** *My Personal Journey and Evolution over a Quarter Century: owed to my Patients and my Mentors*
Amin Kassam (USA)

16:00-16:30 **Coffee Break**

 **Plenary Hall**

16:30-17:15 **Awards Ceremony**

16:30-16:50 **Paolo Cappabianca (Italy):** *Endoscopic endonasal surgery in Naples: a 25-year journey*

Introduction: **Luigi Maria Cavallo (Italy)**

16:50-17:10 **Oka Kazunari (Japan):** *Journey of Flexible Neuroendoscopy -Implement of Flexible Neuroendoscope and Artificial CSF*

Introduction: **Kenichi Nishiyama (Japan)**

17:10-17:15 **Henry Schroeder (Germany):** *Tribute Michael Gaab*

 **Plenary Hall**

17:15-17:20 **Stephan Wolfsberger (Austria):** *Presentation of the Next IFNE Congress in Graz*

 **Plenary Hall**

17:20-18:30 **Presidential Address & General Assembly**



Wednesday, November 22nd, 2023

Sands Expo and Convention Centre • Level 4

📍 Plenary Hall

07:15-08:15 **Multiportal skullbase anatomy**

Chair: **Doo-Sik Kong** (South Korea)

07:15-07:30 **Doo-Sik Kong** (South Korea): *Efficacy of Lateral orbitotomy in the Endoscopic transorbital surgery*

07:30-07:45 **Doo-Sik Kong** (South Korea): *Endoscopic Transorbital Surgery for mesial temporal tumors*

07:45-08:00 **Jun Muto** (Japan): *Transoral Robotic Neurosurgery for Skull Base Surgery: Surgical description of a cadaveric study*

08:00-08:15 **Kam Tong Leo Yeung** (China): *New era of safe and effective endoscopic transsphenoidal surgery: clinical experience of intraoperative mapping of internal carotid artery and sphenopalatine artery using indocyanine green, doppler ultrasound and neuronavigation*

📍 Hall A

07:15-08:15 **Endoport guided endoscopic surgery**

Chair: **Kazuhito Takeuchi** (Japan)

07:15-07:30 **Peng Zhao** (China): *Principles of neuroendoport technique*

07:30-07:45 **Xiaolei Chen** (China): *A novel 3D-vision-based collaborative robot as a scope holding system for port surgery: a technical feasibility study*

07:45-08:00 **Henry Schroeder** (Germany): *Navigation-guided port surgery for brain tumors*

08:00-08:15 **Sebastian Jaimovich** (Argentina): *Minimally invasive Transtubular approach for deep seated tumors*



 **Plenary Hall**

08:30-10:30 Endoscopy for brain tumors

Chairs: **Giuseppe Cinalli** (Italy), **Samer Elbabaa** (USA)

08:30-08:42 **Kazuhiro Takeuchi** (Japan): *Endoscopic cylinder surgery for deep-seated lesions*

08:42-08:54 **Roberto Jaimovich** (Argentina): *Validity of endoscopic transventricular approaches in pediatric craniopharyngioma*

08:54-09:06 **Llewellyn Padayachy** (South Africa): *Combined use of Exoscope and Endoscope assistance for Intraventricular Tumor Surgery - Benefits and Feasibility*

09:06-09:18 **Peng Zhao** (China): *Intraventricular tumor surgery and strategy analysis by Neuro-Endoport technique*

09:18-09:30 **Shankla Suresh** (India): *Endoport-guided endoscopic resection for deep-seated brain tumors: Our experience*

09:30-09:42 **Yong-Hwy Kim** (Korea): *Endoscopic trans-tuber cinereum approach for pineal tumors*

09:42-09:54 **Mohamed El Beltagy** (Egypt): *Endoscopic management of intraventricular tumors in children*

09:54-10:06 **Veit Rohde** (Germany): *Endoscope-assisted fluoroscopic resection of gliomas and metastases: Reaching the next level of radicality*

10:06-10:30 Q&A

10:30-11:00 Coffee Break

 **Plenary Hall**

11:00-12:00 Sella surgery

Chairs: **Stefan Wolfsberger** (Austria), **Mahmoud Messerer** (Switzerland)

11:00-11:08 **Rudiger Gerlach** (Germany): *Endoscopic 2D vs 3D for large pituitary adenomas*

11:08-11:16 **Karuppanan Bagathisingh** (India): *Application of ICG in Pituitary Area Tumor*



- 11:16-11:24 **Qun Wu** (China): *Endoscopic endonasal transsphenoidal surgery for acromegaly*
- 11:24-11:32 **Kun Yang** (China): *Significance of surgical methods for pseudocapsule of pituitary adenomas with different characteristics in treatment of functional adenomas*
- 11:32-11:40 **Anhua Wu** (China): *Application of a trans-nasal multilayer mucosa flap-free (MMF) technique when reconstructing the skull base due to high-flow leakage of cerebrospinal fluid*
- 11:40-11:48 **Afsal Sharaf** (Germany): *A robotic endoscopic holder*
- 11:48-12:00 Q&A



Hall A

11:00-12:00 Brain Neuroendoscopy

- Chairs: **Giuseppe Cinalli** (Italy), **Alvaro Gordoba** (Uruguay)
- 11:00-11:08 **Ali Ayyad** (Germany): *Endoscopic assisted microsurgical resection of pineal region tumors*
- 11:08-11:16 **Akira Gomi** (Japan): *Expanded application and limitation of flexible neuroendoscopy in pediatric neurosurgery*
- 11:16-11:24 **Pathak Ashis** (India): *Endoscopic Parenchymal brain tumor excision: benefit and controversies*
- 11:24-11:32 **Artur Henrique Galvao Bruno Da Cunha** (Brazil): *Etv and shunt malfunctioning*
- 11:32-11:40 **Kazuaki Shimoji** (Japan): *Two-decade follow-up of patients with hydrocephalus who underwent endoscopic third ventriculostomy*
- 11:40-11:48 **Bassel Zebian** (UK): *The Endoscopic Transchoroid Approach to the third ventricle*
- 11:48-12:00 Q&A



 **Hall B**

11:00-12:00 Spine Endoscopy II

Chairs: **Joachim Oertel** (Germany), **Dinesh Shree Kumar** (Singapore)

11:00-11:08 **Ling Ji Min** (Singapore): *Learning Curve in Spinal Endoscopic Surgery*

11:08-11:16 **Christian Woiciechowsky** (Germany): *Endoscopic Spine Surgery: Past, Present and Future*

11:16-11:24 **François Lechanoine** (France): *Spine endoscopy: Unilateral Biportal Endoscopy (UBE) for treating lumbar, dorsal and cervical pathologies: discal herniation, central canal stenosis, foraminal stenosis, lumbar fusion etc., as a global revolution on minimally invasive spine surgery*

11:24-11:32 **Christian Woiciechowsky** (Germany): *Endoscopic strategy on the cervical spine*

11:32-12:00 Q&A

 **Plenary Hall**

12:00-13:30 Skull Base II

Chairs: **A. Samy Youssef** (USA), **Songbai Gui** (China)

12:00-12:05 **Rajeev Sreenath** (India): *Analysis of intraoperative and radiological variation of Cavernous Sinus Invasion (CSI) in Pituitary Adenomas (PA) – A Prospective-Retrospective Study*

12:05-12:10 **Shilei Ni** (China): *Multiple pituitary lesions: classification and treatment*

12:10-12:15 **Takuichiro Hide** (Japan): *Visualization of pituitary body with 4K ICG endoscope contributes preservation of pituitary function*

12:15-12:20 **Ming Shen** (China): *Contralateral transmaxillary corridor used in endoscopic endonasal approach for resecting adenoma invading the retro-carotid area of the cavernous sinus and beyond: surgical anatomy, patient-section algorithm, and illustrative cases*



- 12:20-12:25 **Pawan Goyal** (India): *Endoscopic Endonasal Transsphenoidal Approach for pituitary adenomas : Technical Nuances, complications and learning curve*
- 12:25-12:30 **Ryota Shigeeda** (Japan): *Visualization of internal carotid artery using the 4K ICG endoscope during the endoscopic endonasal transsphenoidal surgery*
- 12:30-12:35 **Selfy Oswari** (Indonesia): *Endoscopic Endonasal Transsphenoidal Pituitary Surgery in Indonesia National Brain Center*
- 12:35-12:40 **Vikas Singh** (India): *Clinical Profile And Outcomes Of Giant Pituitary Adenomas Following Endoscopic Endonasal Transsphenoidal Surgeries Performed At Tertiary Neuro-Oncological Centre - A Retrospective Analysis*
- 12:40-12:45 **Selfy Oswari** (Indonesia): *Clival Aspergilosis*
- 12:45-12:50 **Rajeev Sreenath** (India): *CSF Rhinorrhea in Dopamine agonist (DA) treated Macroprolactinomas- An Institutional Experience*
- 12:50-12:55 **Cathal John Hannan** (UK): *Multi-layered repair of high-flow CSF fistulae following endoscopic skull base surgery without the use of lumbar drains*
- 12:55-13:00 **Selfy Oswari** (Indonesia): *Delayed Epistaxis Post Endoscopic Endonasal Transsphenoidal Surgery*
- 13:00-13:05 **Xin Zhang** (China): *Endoscopic endonasal interconal approach for orbital tumor resection: a cohort of 7 cases*
- 13:05-13:30 Q&A

 Hall A

12:00-13:30 Hydrocephalus and Pediatrics

Chair: **Llewellyn Padayachy** (South Africa)

- 12:00-12:05 **Tomoru Miwa** (Japan): *Diversity of flexible scope surgery and ingenuity of techniques that take advantage of its characteristics*



- 12:05-12:10 **Shighakolli Ramesh** (India): *Role of flexible neuro endoscopy in management of hydrocephalus our experience in tertiary centre in south India*
- 12:10-12:15 **Sara Bruscella** (Italy): *Endoscopic Third Ventriculostomy in Shunt Malfunction in adult patients analysis of clinical series and literature review*
- 12:15-12:20 **Flavio Giordano** (Italy): *Efficacy of Endoscopic Third Ventriculostomy in the management of shunt failure and predictive factors*
- 12:20-12:25 **Flavio Giordano** (Italy): *The role of neuroendoscopy in simplifying complex hydrocephalus*
- 12:25-12:30 **Tomaz Velnar** (Slovenia): *Prognostic factors for successful endoscopic third ventriculostomy in paediatric neuroendoscopy*
- 12:30-12:35 **Francesca Vitulli** (Italy): *Hydrocephalus in neurofibromatosis type 1 – case series and systematic review of literature*
- 12:35-12:40 **Chao Zhang** (China): *Experience of endoscopic endonasal surgery for skull base tumors in children at early age*
- 12:40-12:45 **Francesca Vitulli** (Italy): *Craniopharyngiomas: the role of transcortical transventricular monoportal endoscopic neurosurgery*
- 12:45-12:50 **Rina Agushi** (Italy): *Endoscope - assisted biopsy for diffuse pontine glioma in children a case series*
- 12:50-12:55 **Tomaz Velnar** (Slovenia): *Endoscopic and open treatment of scaphocephaly: a comparison and outcome*
- 12:55-13:00 **Jason Labuschagne** (South Africa): *Long term outcomes of flexible endoscope assisted suture release (FEASR) for the correction of sagittal synostosis*
- 13:00-13:05 **Qun Wang** (China): *Endoscopic Intraventricular Stent Implantation for Trapped Temporal Horn and Periventricular Cystic Lesions*
- 13:05-13:10 **Xinhua Xu** (China): *Pure ventriculoscopic resection of small intraventricular solid lesions through a single burr-hole: technical note*



13:10-13:15 **Shengkun Lang** (China): *Purely ventriculoscopic resection of an intraventricular meningioma with a basket extractor through a single burr hole: technical case report and literature review*

13:15-13:30 Q&A



12:00-13:30 **Spine**

Chairs: **Joachim Oertel** (Germany), **Dinesh Shree Kumar** (Singapore)

12:00-12:05 **Francesco Tengattini** (Italy): *Endoscope-assisted microsurgical resection of epidermoid cyst of the conus medullaris: report of two cases*

12:05-12:10 **Clarissa Ann Elisabeth Gelmi** (Italy): *The Learning Curve of Unilateral Biportal Endoscopic (UBE) Spinal Surgery – A single surgeon analysis*

12:10-12:15 **Filippo Andrea Sinosi** (Italy): *Flexible Endoscopy for the Treatment of Spinal Intratechal Disorders: Our Experience and Comprehensive Literature Review*

12:15-12:20 **Clarissa Ann Elisabeth Gelmi** (Italy): *Complications occurred during Unilateral Biportal Endoscopic (UBE) Spinal Surgery – A single surgeon case series*

12:20-12:25 **Siavash Hasimoglu** (Turkey): *Endoscopy Assisted Posterior Transaxis Odontoidectomy: An Extended Perspective for a Novel Approach*

12:25-12:40 Q&A



 **Hall B**

12:40-13:20 **Video Session**

- 12:40-12:45 **Hirotaka Hasegawa** (Japan): *Effective fusion of endoscopic transnasal surgery and microsurgical dissection: Key steps to preserve critical perforators and neural structures*
- 12:45-12:50 **Yonggang Wu** (China): *Endoscopic Transsphenoidal Surgery for Sellar Region Lesions*
- 12:50-12:55 **Clarissa Ann Elisabeth Gelmi** (Italy): *Full endoscopic inferior parietal lobule approach for an endoventricular removal of a left trigone Meningioma Grade I*
- 12:55-13:00 **Karuna Kabadi** (India): *Ventriculoscopy training in embalmed cadavers*
- 13:00-13:05 **Rajeev Sreenath** (India): *Extended Endoscopic Approach (EEA) for a Pediatric Petroclival Chondrosarcoma- A Technical Video*
- 13:05-13:10 **Mariam Al Mutawa** (Kuwait): *Endoscopic endonasal approach in pediatric patients*
- 13:10-13:15 **Nidan Qiao** (China): *3-Dimensional Exoscope Transcranial Resection of a Giant Invasive Craniopharyngioma*
- 13:15-13:20 **Rajeev Sreenath** (India): *Endoscopic trans-nasal approach for Tuberculom sella meningioma with Bilateral Optic canal invasion- A Technical Video*

 **Plenary Hall**

13:30-14:30 **Closing Remarks**



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Monday, November 20th, 2023

13:00-14:00



Plenary Hall

LUNCHEON SYMPOSIUM

**More than Endoscopy – Heads-Up Neurosurgery by
KARL STORZ**



Chair: **Prof. Henry W. S. Schroeder** (Germany)

*Rigid and Flexible Ventricular Neuroendoscopy: Expanding
the Indications and Improving Outcomes*

Dr. Samer Elbabaa (USA)

Value of NIR/ICG in Endoscopic Skull Base Surgery

Dr. Calvin Mak (Hong Kong)

*Heads-Up Neurosurgery – First Experiences with the New
VITOM® eagle Exoscope*

Prof. Joachim Oertel (Germany)



Tuesday, November 21st, 2023

13:00-14:00



Plenary Hall

LUNCHEON SYMPOSIUM

**Training and Education in Endoscopic Intraventricular
Surgery - Novel intraventricular simulation Model
Sponsored by Japan Medical Company**



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Chair: **Prof. Nishiyama Kenichi**, Director, Department of
Neurosurgery, Center for Neurological Diseases, Niigata
Medical Center, Japan

Speaker: **Prof. Tomoru Miwa**, Lecturer, Department of
Neurosurgery, Keio University School of Medicine, Japan




Networking Events


Welcome Reception

The Welcome Reception will take place in
Peony Junior Ballroom
(Exhibition & ePosters Area)

*“Meet your colleagues and industry
representatives at IFNE Congress 2023, first
face-to-face meeting after 4 years!”*

Sunday, November 19, 2023

 Sands Expo and Convention
Centre (Congress Venue)

 18:30 - 20:00

*Free for Registered participants
Dress Code: Smart Casual*


10th IFNE Congress Networking Dinner


*“Join our special social event and have
a great time with colleagues.”*

Admission only by ticket and free of charge
for all fully registered congress delegates
(IFNE Members & IFNE NON Members).
Entrance with meeting badge.

*NOTE: Attendance by invitation only. Participants that
have already booked the IFNE Dinner are kindly requested
to collect their invitations from the Secretariat Desk.*

Monday, November 20, 2023

 Sands Expo and Convention
Centre, Rosselle Junior Ballroom

 20:00 - 23:00

*Dress Code: Smart Casual
Ticket cost: 120 EUR*

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IFNE-JSNE-GLEN-NESI-CSNE Hands-on Workshop on CEREBRAL, VENTRICULAR AND SKULL BASE NEUROENDOSCOPY

Naples, Italy

February 12-16, 2024

Workshop Venue:

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

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