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21-24 NOVEMBER

2019

Pocket Program



International
Federation
of Neuroendoscopy

FOUNDED IN 1984

Pre-Congress
Workshop

20-21 November 2019

AdventHealth
Nicholson Center

9th
IFNE

WORLD CONGRESS OF
NEUROENDOSCOPY

HILTON BONNET CREEK
ORLANDO, FLORIDA, USA

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Download the Congress's mobile APP All information at your fingertips during the Congress

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 **ifne2019**.

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 **9th World Congress of Neuroendoscopy**, in **Orlando, Florida, USA**.

We aspire to bring to you a comprehensive Scientific Program, inclusive of concurrent advances and innovations in our inspiring field of practice, hands-on sessions and state-of-the-art techniques, with the valuable support of renowned international experts.

The pre-congress **Ventricular and Skull Base Endoscopy hands-on cadaver workshop** has been designed to provide the neurosurgeons the opportunity to enhance their own skills in a variety of endoscopic approaches and gives us a great honor that it is launched in the framework of the IFNE Congress 9th edition.

Furthermore, a big thank you goes to all the participants, coming from more than 50 countries, distinguished local and international faculty, IFNE board members and exhibitors, for their valuable contribution to ensuring a memorable and successful meeting.

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

Warmest wishes,

Samer K. Elbabaa, MD, FAANS, FACS
2019 Congress Chairman

Organised by



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International
Federation
of Neuroendoscopy

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Samer Elbabaa

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Davide Locatelli

Audit

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Historian

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9th IFNE World Congress Organizing Bureau

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Important Addresses

Pre-Congress workshop venue
AdventHealth Nicholson Center
404 Celebration Place, Celebration,
FL 34747
www.NicholsonCenter.com

Congress venue
Hilton Orlando Bonnet Creek
14100 Bonnet Creek Resort Lane
FL32821, Orlando- Florida, USA
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General Information

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.

Badges

Each participant receives a name badge upon check-in at the registration desk. This badge should be worn at all times 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.

CME Credits

9th IFNE World Congress has been approved for AMA PRA Category 1 Credit™

Certificate of Attendance

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

Currency

The local currency is US Dollar (USD).

Language

The official language of the Congress is English.

Photography, Filming and Video Recordings

Please note, by registering for the congress, you agree to your image and personal information being passed to the Congress Organizing Bureau and published on the website of the congress (www.ifnecongress.org and/or www.ifneuroendoscopy.org) and being used in materials, either online or in hard copy, for publicity and promotional purposes.

Registration Desk

The Registration Desk will be operating during the following hours.

The opening hours are:

November 20, 2019

AdventHealth Nicholson Center

07:00 – 17:00

November 21, 2019

AdventHealth Nicholson Center

07:00 – 16:30 and

Hilton Orlando Bonnet Creek

17:00-19:30

November 22, 2019

Hilton Orlando Bonnet Creek

06:30 – 17:30

November 23, 2019

Hilton Orlando Bonnet Creek

06:30 – 17:30

November 24, 2019

Hilton Orlando Bonnet Creek

06:30 – 16:00

Insurance

Neither the Organizing Committee nor the Organizing Secretariat accepts any liability for 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 loss, accidents or damage that could be incurred during the Course. Verbal agreements will not be binding unless confirmed in written.



Scientific Program

Pre-Congress Ventricular
and Skull Base Endoscopy
Hands-on Workshop

07:00-07:30	Registration
07:45 – 08:00	Giuseppe Cinalli Official Workshop Opening Remarks Samer Elbabaa Welcome and Course Overview
08:00-09:20	Ventricular Anatomy and Basic Intra-Ventricular Procedures
08:00-08:20	Pablo Gonzalez-Lopez 3D Ventricular Anatomy: Craniometric points, Endoscopic Approaches and Correlating White Matter Fiber Tractography
08:20-08:40	Stefan Wolfsberger Basics of Neuro-Endoscopy: Equipment and Surgical Planning Navigation for Neuroendoscopy
08:40-09:00	Chandrashekar Deopujari Endoscopic Third Ventriculostomy (ETV): Technique, Indications and Outcomes
09:00-09:20	Ulrich-Wilhelm Thomale Endoscopic Management of Complex Hydrocephalus and Arachnoid Cysts-Thomale Guide
09:20-09:40	Break
09:40-12:00	Cadaveric/Training Model Demonstration and Hands-On Laboratory
	Instructors: Stefan Wolfsberger, Chandrashekar Deopujari, Giuseppe Cinalli, Aneela Darbar, Exequiel Verdier
	• Navigation for Neuroendoscopy
	• Endoscopic Third Ventriculostomy
	• Endoscopic Septum Pellucidum Fenestration
	• Endoscopic Shunt Placement
12:00-13:00	Lunch Break
13:00-14:20	Intra-Ventricular Pathologies
13:00-13:20	Giuseppe Cinalli Endoscopic Management of Intra-Ventricular Tumors
13:20-13:40	Samer Elbabaa Endoscopic Choroid Plexus Coagulation (CPC): Technique & Outcomes - Flexible Endoscopy
13:40-14:00	Christian Diniz Endoscopic Ventricular Training Models
14:00-14:20	Henry Schroeder Endoscopic Management of Colloid Cysts and Aqueductoplasty
14:20-14:40	Break



14:40-17:00 **Cadaveric/Training Model Demonstration and Hands-On Laboratory**

Instructors: **Henry Schroeder, Ulrich-Wilhelm Thomale, Joachim Oertel, Christian Diniz, Pablo Gonzalez-Lopez**

- Endoscopic Biopsy of Intra-Ventricular pathologies
- Thomale Guide
- Endoscopic Choroid Plexus Cauterization CPC (Flexible Endoscopy)
- Ventricular Tumor Models
- VITOM Exoscope

17:00 **Adjourn**

Thursday | November 21, 2019

 **AdventHealth Nicholson Center**  **07:30 – 16:30**

07:30-09:10 **Endoscopic Approaches to the Skull Base**

07:30-07:50 **Pablo Gonzalez-Lopez** | 3D Endoscopic Sinus and Endonasal Skull Base Anatomy

07:50-08:10 **Hermes Garcia** | Standard Versus Expanded Endonasal Trans-Sphenoidal Approaches: Technique and Indications

08:10-08:30 **Joachim Oertel** | Endoscopic Endonasal Surgery for Pituitary Tumors

08:30-08:50 **Aneela Darbar** | Endoscopic Nasoseptal Flap Reconstruction of the Skull Base Endoscopic Repair of CSF Leak

08:50-09:10 **Henry Schroeder** | Endoscopic & Endoscope-Assisted Microsurgery for Craniopharyngiomas

09:10-09:30 **Break**

09:30-12:00 Podium Dissection and Hands-On Laboratory

Instructors: Zachary Litvackk, Joachim Oertel, Henry Schroeder, Hermes Garcia, Aneela Darbar

- Standard Endonasal Trans-Sphenoidal Approach to the Sella
- Nasoseptal Flap
- Navigation for Skull Base Endoscopy

12:00-13:00 Lunch Break

13:00-13:20 Zachary Litvack | Endoscopic Approaches for Anterior Skull Base Meningiomas

13:20-13:40 Joachim Oertel | 3D Exoscopic Use in Cranial Neurosurgery

13:40-14:00 Zachary Litvack | Supra-orbital Keyhole Approach for Suprasellar and Vascular Lesions

14:00-16:30 Podium Dissection and Hands-On Laboratory

Instructors: Zachary Litvack, Joachim Oertel, Henry Schroeder, Hermes Garcia, Aneela Darbar

- Expanded Endonasal Trans-Sphenoidal Approaches
- Skull Base Training Model
- Supra-orbital Keyhole Approach
- VITOM Exoscope

16:30 Adjourn**17:00-20:00 Registration @Hilton Orlando****Welcome Reception**

Hilton Orlando Bonnet Creek



19:00 – 20:00





Scientific Program

Congress

07:15-08:00	Early Risers - 3D Neuroanatomy session Chairs: Javier Abarca Olivas, Stefan Wolfsberger 3D Endoscopic Anatomy of the Ventricular System Pablo Gonzalez-Lopez
08:00-08:20	Welcome Address Samer K. Elbabaa Giuseppe Cinalli
08:20-10:00	Plenary Session I: State of the art Chairs: Llewellyn C. Padayachy, Sandi Lam, Hemant Bhartiya
08:20 - 08:30	History of neuroendoscopy Carlos Gagliardi
08:30 - 08:40	Endoscopic management of intraventricular tumours Giuseppe Cinalli
08:40 - 08:50	Endoscopy for Intrinsic Brain Tumours: Where are we going? Puneet Plaha
08:50 - 09:00	Endoscopic Management of Posterior fossa pathologies Henry Schroeder
09:00 - 09:10	Spinal endoscopic surgery: state of the art Joachim Oertel
09:10 - 09:20	Expanded Endonasal Approaches to the Midline Skull Base Zachary Litvack
09:20 - 09:30	Defining a safety entry zone through coroidal fissure for lesions located at middle and posterior third ventricle Carlos Brusius
09:30 - 09:40	The "3F" technique for endoscopic endonasal skull base reconstruction Luigi Maria Cavallo
09:40 - 09:50	Outcomes Following Endoscopic Endonasal Resection of Craniopharyngioma Paul Gardner
09:50 - 10:00	Endoscopic Assisted Vascular microsurgery Paulo Porto de Melo



10:00 – 13:00 
Hall A [Floridian DE] 

10:00-10:30 Honored Guest Lecture: Ventricular Endoscopy

Chairs: **Spyros Sgouros, Mohamed El Beltagy**

Academic neuro-endoscopy and the IFNE

Shlomi Constantini

10:30-11:00 Coffee Break

11:00-12:00 Focus session: ETV/CPC

Chairs: **Abhaya Kulkarni, Samer Elbabaa**

11:00 - 11:10 Advancing our understanding of ETV/CPC: the need for randomized trials

Abhaya Kulkarni

11:10 - 11:20 An evidence-based global health strategy for infant hydrocephalus

Benjamin Warf

11:20 - 11:30 Understanding Endoscopic Third Ventriculostomy in the Neonate

Rolando Jimenez-Guerra

11:30 - 11:40 Endoscopic third ventriculostomy and choroid plexus coagulation for the treatment of hydrocephalus. Is there a role for plexectomy in the success outcome? How we do it

Oscar Garcia

11:40 - 11:50 The Current State of Knowledge of the Predictors of ETV+CPC Success for Infant Hydrocephalus

Jay Riva-Cambrin

11:50 - 12:00 Discussion

12:00-13:00 Lunch Symposium (Sponsored session)

further information on page 37

🕒 13:00 – 15:00

📍 Hall A [Floridian DE]

13:00-15:00	Breakaway A1: Intracranial cysts, complex hydrocephalus and ventricular tumors Chairs: Ulrich-Wilhelm Thomale, Eylem Öcal
13:00 - 13:10	Cervical spine Dysraphism with Hydrocephalus; ETV or VP Shunt? Bagathsingh Karuppanan
13:10 - 13:20	The CURE Protocol: Evaluation and External Validation of a Public Health Strategy for Treatment of Pediatric Hydrocephalus in Low-Resource Countries Jacob Lepard
13:20 - 13:30	Neuroendoscopic management of complex/multicystic hydrocephalus Flavio Giordano
13:30 - 13:40	Endoscopic therapy options in patients with isolated fourth ventricle Sonja Vulcu
13:40 - 13:50	Endoscopic excision of colloid cysts: Surgical techniques and implications of anatomical variations Waleed Azab
13:50 - 14:00	Endoscopic assisted Clipping of Ophthalmic Aneurysms via Supraorbital Keyhole Approach - A Monocentric Case Study Fritz Teping
14:00 - 14:10	Endoscopic fenestration of intraventricular arachnoid cysts William Gump
14:10 - 14:20	Arachnoid Cysts- does the endoscope makes the difference ? Paulo Ronaldo Jubé
14:20 - 14:30	Atypical intracranial cysts and the role of neuroendoscopy Samuel Zymberg
14:30 - 14:40	Neuroendoscopic management of multiloculated hydrocephalus Llewellyn C. Padayachy
14:40 - 14:50	Endoscopic Management of Temporal Arachnoidal cysts Nelci Zanon
14:50 - 15:00	Learn endoscopy again - New uses for old techniques. Jogi V. Pattisapu



13:00 –15:00 

Hall B [Floridian A] 

13:00-15:00 Breakaway B1: Skull Base - Tumors and CSF fistulae

Chairs: Paulo Porto de Melo, Pablo Recinos

13:00 - 13:10 Endoscopic access for the base of the skull
Luiz Antonio A. Dias Jr.

13:10 - 13:20 Combined transnasal - transcranial endoscopic approaches for extended lesions of the central skull base
Robert Reisch

13:20 - 13:30 The different endoscopic approaches to the sellar region
Stefan Linsler

13:30 - 13:40 Endoscopic Endonasal Cavernous Sinus Surgery: Medial Wall, Ligaments, Compartments, and Approaches
Juan Carlos Fernandez-Miranda

13:40 - 13:50 Skull Base Anatomy for Endoscopic Skull Base Surgery
Sabino Luzzi

13:50 - 14:00 The role of surgery in the treatment of skull-base chordomas
Diego Mazzatenta

14:00 - 14:10 Learning curve of Endoscopic Transsphenoidal Surgery and its role in expanding indications for various neoplastic and vascular pathologies of the brain
Zvi Ram

14:10 - 14:20 Endonasal approaches to the Clivus and Cranio-cervical Junction
James Evans

14:20 - 14:30 Anatomy of the postero lateral view of the skull base
Mateus Neto

14:30 - 14:40 Anterior Fossa Meningiomas: Endoscopic Approaches
Americo Santos

14:40 - 14:50 Endoscopic endonasal approach for the resection of skull base tumors and repair of cerebrospinal fluid leakage
Chunlong Zhong

14:50 - 15:00 Discussion

13:00-15:00 Breakaway C1: Intracranial (Endoscopy-assisted)Chairs: **Paul Gardner, Puneet Plaha**

- 13:00 - 13:10 Transtubular microendoscopic approach for brain lesions
Sebastián Gaston Jaimovich
- 13:10 - 13:20 Interhemispheric transcallosal approach; work horse for ventricular tumors
Aneela Darbar
- 13:20 - 13:30 Endoscope-assisted glioblastoma surgery
Omar Arnaut
- 13:30 - 13:40 Endoscopic assisted microsurgery for pediatric brain tumors: case presentation
Mohamed El Beltagy
- 13:40 - 13:50 Endoscope Assisted Microneurosurgery in the treatment of intracranial expansive lesions
Renato J. Galzio
- 13:50 - 14:00 Endoscopic options in and around the cerebellopontine angle
Pablo Gonzalez-Lopez
- 14:00 - 14:10 Endoscopy in parenchymal hemorrhage
Hisayuki Murai
- 14:10 - 14:20 5-ALA in endoscope-assisted glioma surgery
Veit Rohde
- 14:20 - 14:30 Neuro-endoscopic evacuation of brainstem abscess
Clemens Schirmer
- 14:30 - 14:40 Combined microscopic and endoscopic approaches to complex lateral skull base lesions
Samy Youssef
- 14:40 - 14:50 Discussion

15:00 - 15:20 Coffee Break



15:20 – 16:40 

Hall A [Floridian DE] 

15:20-16:40 Breakaway A2: Intracranial endoscopy

Chairs: Aneela Darbar, Carlos Gagliardi

15:20 - 15:30 Endoscopic transorbital surgery for middle cranial fossa tumors
Doo-Sik Kong

15:30 - 15:40 Management of pineal and tectal tumors with flexible VIDEO-scope
Kenichi Nishiyama

15:40 - 15:50 Endoscopic transaqueductal approach to the third ventricle through the Foramen of Magendie – a cadaver study
Sebastian Senger

15:50 - 16:00 Treatment of colloid cysts: Endoscopy vs microscopy
Onur Ozgural

16:00 - 16:10 5-ALA fluorescence-guided endoscopic surgery for intraparenchymal brain tumors
Junichi Takeda

16:10 - 16:20 Endoscopic approaches to epilepsy surgery
Sandi Lam

16:20 - 16:30 How to improve safety in Neuro-endoscopy
Essam A. Al Shail

16:30 - 16:40 The Success of Endoscopic Third Ventriculostomy in Children: Analysis of Prognostic factors
Ricardo Santos de Oliveira

🕒 15:20 – 16:40

📍 Hall B [Floridian A]

15:20-16:40	Breakaway B2: Intracranial endoscopy
Chairs:	Samy Youssef, Krishan Bansal
15:20 - 15:30	Extended endoscopic endonasal trans sphenoidal approach for Sellar - Suprasellar Tumors Mohammad Hossain
15:30 - 15:40	Endoscopic endonasal surgery Garni Barkhoudarian
15:40 - 15:50	Craniopharyngioma and endoscopy Sergio Valenzuela
15:50 - 16:00	Endoscopic management of craniopharyngiomas Carlos Eduardo Juca
16:00 - 16:10	Developing a Comprehensive Neuro-oncology Program – Experience from Pakistan Muhammad Shahzad Shamim
16:10 - 16:20	Endoscopic cylinder brainstem surgery Kazuhito Takeuchi
16:20 - 16:30	Endoscopic trans-frontal sinus trans-lamina terminalis approach to the third ventricle Sergio Torres-Bayona
16:30 - 16:40	Difficulties and complications in neuroendoscopies. Personal experience Hamilton Matushita



15:20 – 16:40 

Hall C [Floridian F] 

15:20-16:40 Breakaway C2: Pediatrics

Chairs: Victor Fernandez Cornejo, Carlos Brusius

- 15:20 - 15:30 Prophylactic ETV in the management of transition of care in shunted adolescents with Spina Bifida
Adrian Caceres
- 15:30 - 15:40 TROPHY registry – a multicenter international approach for better quality of care in neonatal post hemorrhagic hydrocephalus
Ulrich-Wilhelm Thomale
- 15:40 - 15:50 Details of Ventricular Neuroendoscopy in children under 1 year old
José Aloysio Costa Val
- 15:50 - 16:00 Endoscopic aqueductoplasty and aqueductal stenting in children with isolated fourth ventricle
Wolfgang Wagner
- 16:00 - 16:10 Endoscopic treatment of suprasellar arachnoid cysts in children
Christoph Wiegand
- 16:10 - 16:20 Computed Tomography (CT) ventriculocysternography after third ventriculostomy (ETV) using intraoperative intraventricular contrast injection in children. Can the success of ETV be predicted?
Jorge W. Bizzi
- 16:20 - 16:30 The neuro-endoscopic Management of Chiari and Syringomyelia: does it make a difference?
Guirish Solanki
- 16:30 - 16:40 Neuroendoscopic management of germ cell tumors
Wan Tew Seow

📍 Hall A [Floridian DE]

📍 Hall B [Floridian A]

Breakaway A3



Breakaway B3

16:40-17:15

Flash Presentations

	Breakaway A3	Breakaway B3
Chairs:	Eduardo Juca, Benedetta Pettorini	Doo-Sik Kong, Sergio Valenzuela
16:40 - 16:45	Endoscopic hands-on workshops at low income countries; Challenges and Gains Ahmed Maamoun Ashour	Complications in ETV Antônio Rosa Bellas
16:45 - 16:50	Impact of flexible neuroendoscopy in children Felipe Chavelas Ochoa	Comparison of microscopic and endoscopic view of the internal auditory canal – A cadaveric study Guilherme Montibeller
16:50 - 16:55	The Organization of a national workshop in ventricular endoscopy Esperanza Arcas Navarrete	Post-operative pituitary apoplexy Jason Chow
16:55 - 17:00	Intracranial midline cyst fenestration Alya Hasan	Updates in the Management of Colloid Cysts Ahmed Zohdi
17:00 - 17:05	Role of Endoscopic third Ventriculostomy in Tuberculous meningitis with hydrocephalus Kashif Sultan	Pituitary Adenoma Mimics: Lesions not to Misdiagnose Eugene Yu
17:05 - 17:10	Preoperative and intraoperative characteristics in hydrocephalus patient that related with the success of endoscopic third ventriculostomy Mirna Sobana	Can we predict early ETV failure? The role of ultra-early postoperative MRI in predicting early ETV failure Suhas Udayakumaran
17:10 - 17:15		Complications on Neuroendoscopy - What have we learned? Exequiel P. Verdier



Hall C [Floridian F] 
16:40-17:20 



16:40-17:20 Breakaway C3: Flash Presentations

Chairs: Chandrashekhar Deopujari, Americo Santos

- 16:40 - 16:45 Comparative anatomic and clinical therapeutic study of two kinds of neuroendoscopic transsphenoidal approach for pituitary adenoma
Yuping Peng
- 16:45 - 16:50 Transnasal transsphenoidal pituitary adenoma resection-less is more
Anhua Wu
- 16:50 - 16:55 Flexible endoscopic removal of neurocysticercosis in cisterna magna and lateral ventricle through the frontal cranial bore
Qing Xiao
- 16:55 - 17:00 The surgical treatment of invasive pituitary adenomas involving cavernous sinus
Yazhuo Zhang
- 17:00 - 17:05 Pure endoscopic surgery for pineal region and third ventricular tumors
Xiaobiao Zhang
- 17:05 - 17:10 Considering Anatomical Variations and Abnormalities in Myelomeningocele-Associated Hydrocephalus Cases in ETV Procedure
Volkan Etus
- 17:10 - 17:15 IFNE guidelines for Cranial Neuroendoscopy
NK Venkataramana
- 17:15 - 17:20 Endoscopic management of Intraventricular neurocysticercosis: Technique and challenges
Arivazhagan Arimappamagan

07:15-08:00	Early Risers - 3D Neuroanatomy session Chairs: Albert Sufianov, Irene Monjas Canovas 3D Cavernous Sinus Anatomy for Endoscopic Surgery of Knosp High-Grade Adenomas Stefan Wolfsberger
08:00-10:00	Plenary Session II: Hydrocephalus and intraventricular endoscopy Chairs: George Jallo, Wolfgang Wagner, Hamilton Matushita
08:00 - 08:10	Endoscopic Treatment for Intraventricular Hemorrhages and associated hydrocephalus Javier Eduardo Alinez
08:10 - 08:20	Controversies in the Management of Colloid Cysts: Endoscopic versus Microsurgical Techniques Excision Hemant Bhartiya
08:20 - 08:30	Endoscopic treatment of intraventricular infections Tenoch Herrada-Pineda
08:30 - 08:40	Endoscopic treatment of intraventricular tumors Albert Sufianov
08:40 - 08:50	Aqueduct stenting: an aid to ETV in congenital hydrocephalus Krishan Bansal
08:50 - 09:00	Current indications for ETV in children Abhaya Kulkarni
09:00 - 09:10	Robotic assist Neuroendoscopic treatment for Hydrocephalus: surgical technique and experiences Peng Zhao
09:10 - 09:20	Endoscopic aqueductoplasty and stenting: A 20 -year- single-Institution experience Alessia Imperato
09:20 - 09:30	ETV in the management of shunt malfunction Suresh Sankhla
09:30 - 09:40	Use of endoscopy in children Benedetta Pettorini
09:40 - 09:50	Complications of Intraventricular endoscopic surgery Zulma Tovar-Spinoza
09:50 - 10:00	Developing a simulator for ventricular endoscopy Chandrashekhar Deopujari



10:00 – 13:00 
Hall A [Floridian DE] 

10:00-10:30 Honored Guest Lecture: Skull base

Chairs: Zachary Litvack, Daniel Prevedello

The evolution of endoscopic skull base surgery- current indications and limitations

Fred Gentili

10:30-11:00 Coffee Break

11:00-11:30 Introduction of IFNE President

Christian Sainte-Rose

Presidential Address

Giuseppe Cinalli

11:30-12:00 IFNE Awards Ceremony

Chairs: Henry Schroeder, Giuseppe Cinalli, Joachim Oertel, Samer Elbabaa

Innovator in Neuroendoscopy

Philippe Decq

Exceptional contribution to International Training in Neuroendoscopy Award

Benjamin Warf

Neuroendoscopy Mentorship Award

Christian Sainte-Rose

Top Abstract Certificates

Mohamed Elhawary

Cheick Ahmed Komara

Jacod Lepard

Introduction of IFNE 2021 Congress, Singapore

Wan Tew Seow

12:00-13:00 Lunch Break & IFNE General Assembly

13:00-15:00	Breakaway A4: Pediatrics (Ventricular & Craniofacial)
	Chairs: Samer Elbabaa, Suresh Sankhla, Graciela Zuccaro
13:00 - 13:20	Keynote speaker: The current state of pediatric neuro-oncology: We will make it better Amy A. Smith
13:20 - 13:30	Resection of intraventricular tumors in patients with small ventricles George Jallo
13:30 - 13:40	Removal of intra ventricular tumors by endoscopic Cavitron Alessia Imperato
13:40 - 13:50	Transnasal and Neuroendoscopic Approaches to Pediatric Craniopharyngioma: Minimizing the need for Intracystic Catheters and CSF shunting Todd Hankinson
13:50 - 14:00	Skull Base endoscopy in children: advantages and disadvantages Graciela Zuccaro
14:00 - 14:20	Keynote speaker: Cranial Remodeling in Craniosynostosis: Conventional Cranial Vault Reconstruction Vs Endoscopically Assisted Techniques Ramon Ruiz
14:20 - 14:30	Endoscopic techniques for the treatment of craniosynostosis Mark Proctor
14:30 - 14:40	Endoscopic Management of Craniosynostosis Hans Delye
14:40 - 14:50	Endoscopic surgery for craniosynostosis: Surgical and post-surgical modifications Edward Ahn
14:50 - 15:00	Discussion



Hall B [Floridian A] 

13:00 - 15:00 

**13:00-15:00 Breakaway B4: Skull Base
(Expanded approaches and indications - Tips and how we do it)**

Chairs: Fred Gentili, Anand V. Germanwala

- 13:00 - 13:10 The role of endoscopy for Anterior skull base meningiomas
Daniel M. Prevedello
- 13:10 - 13:20 Endoscopic endonasal anterior skull base surgery for the removal of space occupying lesions
Tariq Salahuddin
- 13:20 - 13:30 Endoscope-Assisted Microneurosurgery for Intracranial Aneurysms: Operative Technique, Reliability, and Feasibility Based on a 17 Years' Experience
Sabino Luzzi
- 13:30 - 13:40 Endoscopic endonasal approaches to clivus and anterior foramen magnum: anatomical basis and clinical implications
Necmettin Tanriover
- 13:40 - 13:50 Endoscopic transoral and transnasal approaches to the Craniovertebral Junction. Myth and truth
Massimiliano Visocchi
- 13:50 - 14:00 Endoscopic extended endonasal approach for the craniopharyngioma resection: surgical techniques and endocrine results
Yongfei Wang
- 14:00 - 14:10 Endoscopic endonasal extended approach for craniopharyngiomas: the Naples experience
Domenico Solari
- 14:10 - 14:20 Combined endoscopic approach to craniopharyngioma
Vikram Karmarkar
- 14:20 - 14:30 Anatomy of the sellar region (with the interperiostodural concept and its help for the neurosurgeon)
François Lechanoine
- 14:30 - 14:40 Endoscopic endonasal approach and endoscopic supraorbital keyhole approach to the sellar tubercle region—alternative or combinatory approaches
Chiyuan Ma
- 14:40 - 14:50 Endoscopic endonasal approach for ventral brainstem lesions – A cautionary tale
Harminder Singh
- 14:50 - 15:00 Discussion

13:00-15:00	Breakaway C4: Spine I: (CVJ, cervical and thoracic)
	Chairs: Joachim Oertel, Erwin M.J. Cornips
13:00 - 13:10	Transforaminal lumbar discectomy Richard Fessler
13:10 - 13:20	The Role of Flexible Neuroendoscopy in Spinal Neurocysticercosis Jaime Torres Corzo
13:20 - 13:30	Robotic versus Freehand Endoscopic Navigation for Thoracolumbar Spine Surgery David Rosen
13:30 - 13:40	Thoracosopic surgery for symptomatic thoracic disc herniations Erwin M.J. Cornips
13:40 - 13:50	The combination of endoscopic outside in and inside out technique in thoracic disc herniation. Technical aspects and clinical results Andrea Schomaker
13:50 - 14:00	Endoscopic odontoidectomy and posterior fixation: historical perspective and description of surgical technique David Mato
14:00 - 14:10	Endoscopic surgery of monosegmental unilateral lumbar recess stenosis. Is decompression and partial discectomy advantageous over decompression alone? A report of 66 consecutive patients Benedikt Burkhardt
14:10 - 14:20	Cubital Tunnel Syndrome: Evaluation of endoscopic-assisted decompression versus simple decompression Dörthe Keiner
14:20 - 14:30	Posterior Percutaneous endoscopic cervical discectomy: a preliminary experience Qing Wang
14:30 - 14:40	360-degree endoscopic surgical anatomy and approaches to the cranio cervical junction Nabeel S. Alshafai
14:40 - 14:50	Percutaneous endoscopic lumbar discectomy combined with Autologous Conditioned Plasma for the treatment of lumbar disc herniation En Song
15:00-15:30	Coffee Break



Hall A [Floridian DE] 

15:30 - 16:50 

15:30-16:50 Focus session - "Honoring Prof. Grotenhuis"

Chair: **Andre Grotenhuis**

15:30 - 15:40 Neuroendoscopy: Current and Future Role in Craniopharyngioma
Fred Gentili

15:40 - 15:50 Andre GrotenhuisSCOPE: from minimally invasive to maximally effective neurosurgery
Philippe Decq

15:50 - 16:00 Men-machines-technology-vision
Spyros Sgouros

16:00 - 16:10 Neuro-endoscopy and paediatric Brain tumours
Shlomi Constantini

16:10 - 16:20 Prof. Andre Grotenhuis, a pioneer of modern neuroendoscopy
Carlos Gagliardi

16:20 - 16:30 Pathophysiology of Hydrocephalus: contributions of endoscopy to better understanding
Giuseppe Cinalli

16:30 - 16:40 The EndoMaster
Henry Schroeder

16:40 - 16:50 Neuroendoscopy and Andre Grotenhuis: Past, present, future
Joachim Oertel





Hall B [Floridian A]



15:30 - 17:30

15:30-17:30	Breakaway B5: Skullbase (Endonasal endoscopic approach)
	Chairs: Ali Ayyad, Melvin Field
15:30 - 15:40	Extended endoscopic endonasal approaches to clivus chordomas & chondrosarcomas Savas Ceylan
15:40 - 15:50	Pediatric endonasal endoscopy Chandrashekar Deopujari
15:50 - 16:00	Expanded endonasal approaches to skull base and craniocervical junction lesions Mohamed Samy Elhammady
16:00 - 16:10	Long term recurrence rates for endoscopic endonasal pituitary tumor surgery Melvin Field
16:10 - 16:20	Endoscopic Endonasal Resection of Skull Base Encephaloceles: the Loyola Experience Anand V. Germanwala
16:20 - 16:30	Endoscopic endonasal skull base surgery in pediatric patients Gokmen Kahilogullari
16:30 - 16:40	Clinical outcomes of endoscopic endonasal surgery of sellar-suprasellar Lesions in A Community Hospital Mohamed Soliman
16:40 - 16:50	Endoscopic endonasal approach for craniopharyngiomas: operative pearls and limitations James K. Liu
16:50 - 17:00	Encyclopedia of Neuroendoscopic Procedures Spyros Sgouros
17:00 - 17:10	Endoscopic endonasal approaches to the orbit and orbital apex Pablo Recinos
17:10 - 17:20	Transnasal endoscopic surgical approaches to the clivus lesions Carlos Clara
17:20 - 17:30	Discussion



Hall C [Floridian F] 
15:30 - 17:00 

15:30-17:00 **Breakaway C5: Spine II:
Lumbar and complex**

Chairs: David Rosen, Juan Nieto Navarro

- 15:30 - 15:40 iMAS (intervertebral Micro Access Surgery): A basis for endoscopic 360-degree reconstruction strategies of the lumbosacral spine
Robert L. Masson
- 15:40 - 15:50 Minimally invasive Full-Endoscopic spine surgery assisted by Neuronavigation system in Hybrid operation room
Yasushi Shin
- 15:50 - 16:00 Our development of lumbar endoscopic surgery
Wesley Alaba
- 16:00 - 16:10 Anatomical 3D study of intervertebral lumbar foramen from classic paraspinous sacrospinalis-splitting to posterolateral endoscopic approach
Juan Nieto Navarro
- 16:10 - 16:20 Endospine- Destandau's technique - Lumbar canal stenosis
Shrinivas Rohidas
- 16:20 - 16:30 Posterior percutaneous endoscopic cervical discectomy: A preliminary experience
Qing Wang
- 16:30 - 16:40 Endoscopic endonasal approach for craniocervical junction
Juan Barges-Coll
- 16:40 - 16:50 Endoscopic Decompression for Lumbar Spinal Stenosis
Satnam Singh Chhabra
- 16:50 - 17:00 **Discussion**

16:50-17:30 **Flash Presentations**Chair: **Mark Proctor, Exequiel Verdier**

- 16:50 - 16:55 Neuronavigation guided endoscopic treatment of suprasellar arachnoid cyst without ventriculomegaly
Goksin Sengul
- 16:55 - 17:00 ShuntScope in children
Anna Prajsnar-Borak
- 17:00 - 17:05 The novel endoscopic approaches to the atrium of lateral ventricle: primary techniques and surgical results
Tao Xie
- 17:05 - 17:10 Protection of normal pituitary during endoscopic surgery for pituitary adenoma
Weiping Liu
- 17:10 - 17:15 Surgical learning curve in endoscopic treatment of craniosynostosis
Ricardo Gomez Espinosa
- 17:15 - 17:20 Bromocriptine and cabergoline induces cell death in prolactinoma cells via the ERK/EGR1 and AKT/mTOR pathway respectively
Chao Tang
- 17:20 - 17:25 Learning curve of neuroendoscopic surgery for growth hormone pituitary adenomas
Chunlong Zhong

IFNE Dinner 20:30

further information on page 38

07:15-08:00 **Early Risers - 3D Neuroanatomy session**Chairs: **Mahmoud Messerer, Ramez Kirillos**

3D Endonasal anatomy of the skull base

Javier Abarca Olivas3D skull base anatomy (the nose as a corridor to the anterior/
middle/posterior cranial fossa)**Irene Monjas Canovas**08:00-10:00 **Plenary Session III: Intracranial**Chairs: **James K. Liu, Greg Olavarria, Marcelo Budke**08:00 - 08:10 Endoscopic assisted microsurgery for management of anterior skull
base lesions**Ali Ayyad**08:10 - 08:20 Craniopharyngiomas' surgery: different perspectives according
to age**Davide Locatelli**

08:20 - 08:30 Endoscopic Approaches for Median and Para-median Tumors

Mahmoud Messerer08:30 - 08:40 Endoscopy in cerebello-pontine angle lesions: feasibility and
technical considerations**Dimitrios Paraskevopoulos**

08:40 - 08:50 Endoscopic Management of Clival/Petroclival Malignancies

Shaan M Raza

08:50 - 09:00 Endoscopic pituitary surgery

Marcelo Volpon Santos09:00 - 09:10 Surgical innovation of endoscopic transsphenoidal removal of
pituitary tumors**Kosaku Amano**

09:10 - 09:20 Endoscopic transchoroid approach to the third ventricle: case series

Bassel Zebian09:20 - 09:30 Experience in the management of endoscopy in skull base surgery in
a pediatric hospital in Mexico**Germán Ballesteros**

09:30 - 09:40 Utilization of neuro-endoscopy in complex pediatric hydrocephalus

Eylem Öcal

09:40 - 09:50 Endoscopic management of intraventricular cysts

Adriano Keijiro Maeda



09:50 - 10:00 Navigation guidance and robotics for ventricular endoscopy

Stefan Wolfsberger



10:00-10:30	Honored Guest Lecture: Spine Chairs: Joachim Oertel, Robert Masson Does the preponderance of evidence favor MIS/endoscopic surgery? Richard Fessler
10:30-11:00	Coffee Break
11:00-13:00	Plenary Session IV: Intracranial Chairs: Edward Ahn, Hans Delye, Sabino Luzzi
11:00 - 11:10	Endoscopic management of complex hydrocephalus Greg Olavarria
11:10 - 11:20	Neuroendoscopy approach to treatment of third ventricular tumors James K.C. Liu
11:20 - 11:30	Surgical management of supratentorial intracerebral hemorrhages: endoscopic versus open surgery Eyüp Bayatli
11:30 - 11:40	Neuroendoscopy in children under one year of age - does it make sense? Petr Vacek
11:40 - 11:50	Quality of life and olfactory function after suprasellar craniopharyngioma surgery – a single center experience comparing transcranial and endoscopic endonasal approaches Sascha Marx
11:50 - 12:00	Endoscopy in Pediatric neurosurgery - Tumors Lance Governale
12:00 - 12:10	Neuroendoscopic Intraventricular surgery in children with small ventricles using frameless navigation system Marcelo Budke
12:10 - 12:20	The challenge of cystic Craniopharyngioma treatment in children Roberto Jaimovich
12:20 - 12:30	Endoscopic approach to ventricular and paraventricular tumors Roberto Alexandre Dezena
12:30 - 12:40	Endoscopic third ventriculostomy in posterior fossa tumors Carlos Roberto Massella junior
12:40 - 12:50	Surgical strategy for craniopharyngiomas by hybrid surgery using endoscope and microscope Hidehiro Oka
12:50 - 13:00	The internal helmet technique: A minimally invasive technique for correction of Sagittal synostosis Khaled Aly



Hall B [Floridian A] 
11:00 - 13:00 

11:00-13:00 Breakaway B6: Technology and Innovation

Chairs: Davide Locatelli, Domenico Solari

- 11:00 - 11:10 Technical Innovations in Endoscopic Endonasal Surgery for Chordomas, Chondrosarcomas, and Petroclival Meningiomas
Juan Carlos Fernandez-Miranda
- 11:10 - 11:20 Applied imaging anatomical studies on the floor of third ventricle, foramen of Monro and Sylvian aqueduct with relevance to neuroendoscopy
Ramez Kirolos
- 11:20 - 11:30 Use of laser in neuroendoscopy
Christian Diniz
- 11:30 - 11:40 Confocal Neuroendoscopy for brain tumors
Alvaro Cordoba
- 11:40 - 11:50 Training in neuroendoscopy: recent advances
Cristiano Gragnaniello
- 11:50 - 12:00 Fluorescent Guided Surgery using Near Infrared Fluorophores
John Y.K. Lee
- 12:00 - 12:10 How to achieve the essential neurosurgical skills using low-cost models
Beatriz Mantese
- 12:10 - 12:20 Robotic assistance in cranial endoscopy – analytical experience of 28 cases
Ayyadurai Retnathankom
- 12:20 - 12:30 3D stereoscopic neuroanatomy for teaching in neurosurgery
Victor Fernandez Cornejo
- 12:30 - 12:40 Robot, Endoscope, Microscope, Neuronavigation. A proposal to combine these four pillars of surgery together
Rafael Garcia de Sola
- 12:40 - 12:50 Application of laser in ventricular neuroendoscopy
Piero Andrea Oppido
- 12:50 - 13:00 Realistic Simulation in Neuroendoscopy Training
Nelci Zanon



Hall C [Floridian F]



11:00 – 13:00

11:00-13:00

Breakaway C6: Skull Base SurgeryChairs: **Mohamed Samy Elhammady, Omar Arnaout**

- 11:00 - 11:10 Surgical nuances for removal of olfactory groove meningiomas using the endoscopic transcribriform approach
James K. Liu
- 11:10 - 11:20 Classification based on cavernous sinus dura ligament of invasive pituitary adenoma and its surgical strategies
Meiqing Lou
- 11:20 - 11:30 Endoscopic endonasal resection of tuberculum sella meningiomas - case selection and technical nuances
Hermes Garcia
- 11:30 - 11:40 Endoscopic surgery for leioms in Meckel's cave
Fan Hu
- 11:40 - 11:50 3D technology in skull base training
Javier Abarca Olivas
- 11:50 - 12:00 Changing scenario in the management of Meckel's cave schwannoma
Suresh Nair
- 12:00 - 12:10 Complications in endonasal craniopharyngioma and TBS meningioma surgery
Roman Bosnjak
- 12:10 - 12:20 Endoscopic endonasal craniofacial surgery for skull base tumors involving the pterygopalatine fossa, the infratemporal fossa, the orbit, and the paranasal sinus
Masahiro Shin
- 12:20 - 12:30 The usefulness of ultrasonic surgical aspirator in endoscopic skull base surgery. An important tool when dealing with fibrous anterior skull base meningiomas
Danilo Silva
- 12:30 - 12:40 Comparative study of complications after primary and revision transsphenoidal endoscopic surgeries
Alexandre Giannetti
- 12:40 - 12:50 Extended endoscopic endonasal approach for recurrent or residual symptomatic craniopharyngiomas
Tao Hong
- 12:50 - 13:00 Endoscopy DIY: Is it possible to create a "low cost" model?
Ivan Verdu-Martinez

13:00-14:00

Lunch Break



Hall A [Floridian DE] 

14:00 - 16:00 

14:00-15:30 Breakaway A6: Intracranial (Endoscopic intraventricular surgery)

Chairs: Saad Hamdan Abdullah, Roberto Alexandre Dezena

- 14:00 - 14:10 Dandy-walker syndrome; ETV experience in Jordan
Saad Hamdan Abdullah
- 14:10 - 14:20 Factors affecting surgical outcome of Endoscopic transsphenoidal surgery in prolactinoma
Mohamed Elhawary
- 14:20 - 14:30 Endoscopic evacuation of intracerebral hematoma using a syringe as a working channel
Jerson Flores Castillo
- 14:30 - 14:40 The use of endoscopy in the management of ventricular infection
Victor Magumbeze
- 14:40 - 14:50 Full-Endoscopic micro-vascular decompression for TN and HFS
Jian Chen
- 14:50 - 15:00 Predictive factors of hemorrhagic complications in neuroendoscopic intraventricular tumor biopsy
Taiki Setoguchi
- 15:00 - 15:10 Endoscopic Assisted Transcallosal Approach for Intraventricular Tumors
Jorge Angel Arguen
- 15:10 - 15:20 Purely endoscopic resection of tumors in pineal region and posterior third ventricle using infratentorial supracerebellar approach
Ye Gu
- 15:20 - 15:30 Endoscopic fenestration of symptomatic thoracic spinal arachnoid cysts
Bassel Zebian

15:30-16:00 Closing Remarks

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Sponsored Sessions

November 22, 2019 

Hall A [Floridian DE] 

12:00 - 13:00 

INDUSTRY SPONSORED LUNCH SYMPOSIUM: Multimodal Visualization Technologies in Neurosurgery


Supported by Karl Storz

Chairs: Giuseppe Cinalli
Samer Elbabaa

Value of Neuroendoscopy in Different Applications
Henry Schroeder

Value of NIR/ICG Vascular Angiography in Neuroendoscopy
Paul Gardner

Value of 3D Exoscopic Visualization in Pediatric Neuro- & Spine
Surgery
Ulrich-Wilhelm Thomale

November 22, 2019 

KARL STORZ Booth #11 

15:00 - 15:30 

Meet the Expert Session

Features in Endonasal Skull Base Surgery - Value of the Diving Technique

Davide Locatelli

Networking
Events

Welcome reception

The Welcome Reception (standing Cocktail) will take place at the exhibition area.
Free for Registered participants

Dress code: Smart casual

Thursday,
November 21, 2019

🕒 19:00

📍 Hilton Orlando Bonnet Creek
(Congress Venue)

IFNE Dinner

Join our special social event and have a great time with colleagues and friends in a unique Italian setting at the Loews Portofino Bay Hotel. Admission only by ticket and free of charge for all fully registered congress delegates.

Additional tickets can be purchased onsite.

Ticket cost: 155 EUR/170 USD per guest

Transportation by shuttle buses will be provided.

Pick-up:

🕒 18:30

📍 Hilton Bonnet Creek (Congress Venue)

Dress code: Cocktail Attire

Saturday,
November 23, 2019



Loews Portofino Bay
Hotel-Universal Orlando

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



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