

**Theme: Creating a Road Map for Minimally Invasive Neurosurgery: From Concepts to Practice**

Pre-Conference Live Surgery Demonstration: 26<sup>th</sup> October, 2022 | Conference: 27<sup>th</sup> & 28<sup>th</sup> October, 2022

**Scientific program for**  
**6<sup>th</sup> Annual conference of**  
**International Society for Minimally Invasive Neurosurgery (ISMINS)**

**Day 0 (26<sup>th</sup> October 2022)**

**MINIMALLY INVASIVE NEUROSURGERY**

SET FACILITY, CONVERGENCE BLOCK 1ST FLOOR,

AIIMS, Ansari Nagar, New Delhi

**Faculty in Charge-**

- Prof SS Kale
- Dr Vivek Tandon
- Dr Kanwaljeet Garg

<b>0815-0830</b>	<b>Registration</b>
<b>0830-0900</b>	<b>Breakfast</b>
<b>0900-1300</b>	<b>Case discussion</b>
<b>1300-1400</b>	<b>Lunch</b>
<b>1400-1430</b>	<b>Informal discussion with faculty</b>
<b>1430-1600</b>	<b>Case discussion</b>

**Cases to be discussed**

1. Endoscopic Pituitary surgery
2. Endoscopic Intra-ventricular surgery
3. SOKHA aneurysm clipping/ tumor excision
4. Endoscopic foraminotomy/ minimally invasive screw fixation

- Separate registration compulsory- limited to first 50 delegates only, organizing secretary to be informed by e-mail to [isminsindia@gmail.com](mailto:isminsindia@gmail.com) before September 30<sup>th</sup>
- Delegates will have to make their own arrangements to reach AIIMS

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**DAY 1 (27<sup>th</sup> OCT 2022, THURSDAY)**

**Pre-lunch talks**

**(Common sessions in HALL A)**

0800-0900	<b>Registration and breakfast</b>	
0900-0915	<b>Opening address</b>	
0915-0950	<b>Debate: Craniopharyngioma- Microscopic vs Endoscopic</b>	
	<b>Moderators: Azmi Alias &amp; Atul Goel</b>	
0915-0930	<b>CE Deopujari, India</b>	Craniopharyngioma-Endoscopic approach is the best
0930-0945	<b>Ashis Pathak, India</b>	Craniopharyngioma- I will still prefer microscope
0945-0950	Discussion and Q&A	
0950-1110	<b>Keynote Lectures- I</b>	
	<b>Chairpersons: VS Mehta, SS Kale</b>	
0950-1010	<b>Yoko Kato, Japan</b>	Update cerebral AVM treatment
1010-1030	<b>Samer K Elbabaa, USA</b>	Fetal in-utero micro-neurosurgical spina bifida repair techniques: Minimally-invasive potentials
1030-1050	<b>Michael T. Lawton, USA</b>	Surgical approaches to brainstem cavernous malformations
1050-1110	<b>BK Misra, India</b>	Minimally invasive neurosurgery- are we over-rating it?
1110-1230	<b>Keynote Lectures- II</b>	
	<b>(Tea will be served in the hall)</b>	
	<b>Chairpersons: BK Misra, Ashis Pathak</b>	
1110-1130	<b>Bin Xu, China</b>	Targeted keyhole STA-MCA bypass
1130-1150	<b>Manish Ranjan, Canada</b>	MR-guided transcranial focused ultrasound: Non-invasive treatment option for essential tremor and movement disorders
1150-1210	<b>Ramesh Grandhi, USA</b>	Endovascular mechanical thrombectomy
1210-1230	<b>Georg Dorfmueller, France</b>	SEEG guided thermocoagulation
1230-1315	<b>New Innovations in minimally invasive neurosurgery</b>	
	<b>Chairpersons: Suresh Nair, Iype Cherian</b>	
1230-1245	<b>Masaaki Taniguchi, Japan</b>	Endoscopic endonasal skull base surgery using the steerable instruments
1245-1300	<b>Jan Regelsberger, Germany</b>	Exoscopes in neurosurgery – current technologies and practical use“ presenting an overview of the available exoscopic designs, their pros and cons as well as future developments and expectations.

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<b>1300-1315</b>	<b>P Sarat Chandra, India</b>	Robotic radio frequency thermocoagulative hemispherotomy (ROTCH)- a bloodless technique
<b>1315-1415</b>	<b>LUNCH BREAK</b>	
	<b>Luncheon seminar on Vagal Nerve Stimulation</b>	
	<b>Chairpersons: PS Chandra, Georg Dorfmueller</b>	
<b>1325-1337</b>	<b>Manjari Tripathi, India</b>	Pre-op evaluation and case presentation
<b>1337-1349</b>	<b>Nilesh Kulware, India</b>	Recent advances in VNS
<b>1349-1402</b>	<b>Ramesh Doddamani, India</b>	Surgical case presentation

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**Post-lunch talks (parallel sessions)**

**DAY 1 (27<sup>th</sup> OCT 2022, THURSDAY)**

**Sessions in Hall A**

<b>1415-1600</b>	<b>Minimally Invasive Skull Base Surgery-I (Parallel session in Hall A)</b>	
	<b>Chairpersons: Dwarkanath Srinivas, Deepak Agrawal</b>	
<b>1415-1430</b>	<b>Takeo Goto, Japan</b>	Endoscopic keyhole surgery to skull base tumors
<b>1430-1445</b>	<b>Domenico Solari, Italy</b>	The endoscopic endonasal management of craniopharyngiomas with intraventricular extension
<b>1445-1500</b>	<b>Vicknes Warran, Malaysia</b>	Delivering Haemostatic Agents Effectively
<b>1500-1515</b>	<b>Deepak Agrawal, India</b>	Endoscopic repair of skull base defects
<b>1515-1530</b>	<b>AK Srivastava, India</b>	Endoscopic assisted microneurosurgery of CP Angle tumor-epidermoid
<b>1530-1545</b>	<b>Qing Lan, China</b>	Keyhole surgery for tuberculum sellae meningioma
<b>1545-1600</b>	<b>Dwarkanath Srinivas, India</b>	Extended approaches to Giant Invasive Pituitary adenomas
<b>1600-1700</b>	<b>Minimally Invasive Vascular-I (Parallel session in Hall A)</b>	
	<b>(TEA WILL BE SERVED IN HALL)</b>	
	<b>Chairpersons: Daljit Singh, Paritosh Pandey</b>	
<b>1600-1615</b>	<b>Takashi Izumi, Japan</b>	Transvenous embolization for dural arteriovenous fistula
<b>1615-1630</b>	<b>Paritosh Pandey, India</b>	Flow diversion in treatment of intracranial aneurysms
<b>1630-1645</b>	<b>Girish Rajpal, India</b>	Endovascular neurosurgery-back to basics
<b>1645-1700</b>	<b>Timo Krings, Canada</b>	Vessel Wall Imaging in Brain AVMs
<b>1700-1830</b>	<b>Emerging concepts in Minimally Invasive Neurosurgery</b>	
	<b>(Parallel session in Hall A)</b>	
	<b>Chairpersons: Manmohan Singh, Aliasgar V Moiyadi</b>	
<b>1700-1715</b>	<b>Suresh Nair, India</b>	Usefulness of IONM in spinal intramedullary tumors
<b>1715-1730</b>	<b>Michael E. Sughrue, Australia</b>	Network based neurosurgery as a means for targeted approaches
<b>1730-1740</b>	<b>Vivek Tandon, India</b>	Utility of 3D VITOM in current neurosurgical practice
<b>1740-1755</b>	<b>Isabelle Germano, USA</b>	Minimally invasive craniotomy for tumors: Technical pearls
<b>1755-1815</b>	<b>Peter Nakaji, USA</b>	Keyhole Cranial Microsurgery Concepts: from Simple to Complex and Back Again

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<b>1815-1830</b>	<b>H S Bhatoo, India</b>	Transciliary supraorbital keyhole craniotomy-a versatile minimally invasive approach
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**Post-lunch talks (parallel sessions)**

**DAY 1 (27th OCT 2022, THURSDAY)**

**Sessions in Hall B**

<b>1415-1515</b>	<b>Neurointervention and Radiosurgery (Parallel session in Hall B)</b>	
	<b>Chairpersons: Anita Jagetia, Girish Rajpal, Shantanu Bora</b>	
<b>1415-1430</b>	<b>Naoto Kimura, Japan</b>	Technical tips for complicated thrombectomy for acute stroke
<b>1430-1445</b>	<b>Anil Karapurkar, India</b>	Endovascular treatment of AV fistulas
<b>1445-1500</b>	<b>Anita Jagetia, India</b>	Concepts in the management of CCF
<b>1500-1515</b>	<b>Shweta Kedia, India</b>	Technical nuances of Radiosurgery in Giant AVMs
<b>1515-1615</b>	<b>Minimally invasive neuro-oncology (Parallel session in Hall B)</b>	
	<b>Chairpersons: Shashwat Mishra, Jitender Chaturvedi, Anil Sharma</b>	
<b>1515-1525</b>	<b>Anil Sharma, India</b>	Minimally invasive neurosurgery for ACF base meningiomas
<b>1525-1535</b>	<b>Jitender Chaturvedi, India</b>	Meckel's cave: Suez canal for endoscopic endonasal resection of trigeminal schwannoma
<b>1535-1545</b>	<b>Avinash Haridas, India</b>	Targeting the pathophysiology to effect a cure with a single neuroendoscopic operation for evacuation of acute on chronic subdural hematoma (SDH)
<b>1545-1555</b>	<b>Mohit Agrawal, India</b>	Use of 3D volume rendering technique as a Navigation tool for deep seated intracranial lesions
<b>1555-1605</b>	<b>Dipankar Mankotia, India</b>	Giant intracranial tumors: Can it grow bigger than this?
<b>1605-1615</b>	<b>Sandeep W. Iratwar, India</b>	Minimally invasive retrosigmoid approach for large CP angle tumours

**1830-1900: EXECUTIVE BODY MEETING OF ISMINS (INVITED ONLY)**

**1930 onwards: INAUGURAL CEREMONY**

**FOLLOWED BY GROUP PHOTOGRAPH and then COCKTAILS WITH DINNER**

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**DAY 2 (28th OCTOBER 2022, FRIDAY)**

**Pre-lunch talks**

<b>0800-0900</b>	<b>BREAKFAST</b>	
<b>0900-1030</b>	<b>Keynote Lectures-3</b>	
	<b>(Common session in Hall A)</b>	
	<b>Chairperson: CE Deopujari, Ashish Suri</b>	
<b>0900-0915</b>	<b>Azmi Alias, Malaysia</b>	Intraventricular Endoscopic Lavage (iVEL) in Children: Indications and Technique
<b>0915-0930</b>	<b>Atul Goel, India</b>	Evolving thoughts in the treatment of degenerative spinal disease
<b>0930-0945</b>	<b>Francesco Acerbi, Italy</b>	Minimally invasive microvascular decompression procedures for neurovascular conflict syndromes in posterior fossa
<b>0945-1000</b>	<b>HS Chhabra</b>	Robotic spine surgery
<b>1000-1015</b>	<b>Marco Cenzato, Italy</b>	Exoscope in vascular neurosurgery: pros and cons
<b>1015-1030</b>	<b>Puneet Plaha, UK</b>	Endoscopic approaches to gliomas
<b>1030-1045</b>	<b>COFFEE BREAK</b>	
<b>1045-1145</b>	<b>Minimally Invasive Epilepsy Surgery (Parallel session in Hall A)</b>	
	<b>Chairpersons: Ravi Mohan Rao, Aditya Gupta</b>	
<b>1045-1100</b>	<b>Masaki Iwasaki, Japan</b>	Stereotactic radiofrequency thermocoagulation for insulo-opercular focal cortical dysplasia
<b>1100-1115</b>	<b>Kawai Ken, Japan</b>	Hippocampal transections for hippocampal sclerosis-are they effective?
<b>1115-1130</b>	<b>Arivazhagan A, India</b>	Utility of Ultrasound in surgery for drug resistant epilepsy
<b>1130-1145</b>	<b>Hiro Shiozu, Japan</b>	Radio-frequency ablation of hypothalamic hamartoma
<b>1145-1230</b>	<b>Intra-ventricular MIS (Parallel session in Hall A)</b>	
	<b>Chairpersons: Awadesh Jaiswal, Ajay Chaudhary</b>	
<b>1145-1200</b>	<b>Awadesh Jaiswal, India</b>	Endoscopic keyhole surgery for third ventricular colloid cyst
<b>1200-1215</b>	<b>Nobuhito Morota, Japan</b>	Smart shunt: management of complex hydrocephalus by an internal shunt or by applying neuroendoscopic procedures
<b>1215-1230</b>	<b>Hitesh Kumar, India</b>	Biopsy of pineal region sol using two burr hole technique
<b>1230-1315</b>	<b>Minimally invasive spine 1 (Parallel session in Hall A)</b>	
	<b>Chairpersons: HS Chhabra, Satnam Chhabra</b>	
<b>1230-1245</b>	<b>Asheesh Tandon, India</b>	A novel Minimally Invasive Technique for management of Lumbar canal stenosis with instability. Fusion of Wiltse technique for pedicle screw fixation and Tubular system for decompression and fusion

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1245-1300	Satnam Chhabra, India	Endoscopic surgery for lumbar spine degenerative disease
1300-1315	Sumit Sinha, India	Minimally invasive surgery for IDEMs
1045-1200	<b>Minimally Invasive Vascular Neurosurgery-2 (Parallel session in Hall B)</b>	
	<b>Chairpersons: Vivek Tandon, Kuntal Kanti Das, Praneeth Kokula</b>	
1045-1100	Nishant Goyal, India	Supra-orbital keyhole craniotomy for ACOM aneurysms
1100-1115	Kuntal Kanti Das, India	Key hole approaches as an alternative to pterional approach to anterior circulation aneurysms
1115-1130	Anant Mehrotra, India	Supra-orbital keyhole approach: Smaller need not be lesser!
1130-1145	Gaurav Jain, India	Trigeminal neuralgia: Endoscopic vs microscopic
1145-1200	Asra Al Fauzi, Indonesia	Minimally invasive aneurysm surgery in the endovascular era
1200-1315	<b>Minimally Invasive Skull Base Neurosurgery-2 (Parallel session in Hall B)</b>	
	<b>Chairpersons: Vamsi Krishna Yerramneni, KB Shankar, Kanwaljeet Garg</b>	
1200-1215	Aliasgar V Moiyadi, India	Minimally invasive surgery in resection of anterior skull base malignancies - Rationale, role and technical nuances
1215-1230	Adesh Srivastava, India	Endoscopy assisted microsurgery for posterior fossa tumours
1230-1245	Vamsi Krishna Yerramneni, India	Extended endoscopic endonasal transclival approaches for tumors of posterior fossa
1245-1300	Deepak Jha, India	Doing more with less in minimal invasive neurosurgery
1300-1315	Dattaraj Sawarkar, India	Supra orbital approaches for various intra cranial pathologies
1315-1400	<b>LUNCH BREAK</b>	

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1315-1400	<b>Award E-videos and e-posters session</b>
	<b>Judges- GD Satyarthee, Anant Mehrotra</b>

**List of e-Videos**  
**(4+1 minutes each)**

Speaker	Topic
<b>Bertolini Giacomo, Italy</b>	Exoscopic near total resection of a hypervascularized vestibular schwannoma
<b>Valencia Bayona Edmundo, Peru</b>	Combined pre-sigmoid and retro-sigmoid approach for the resection of a petroclival meningioma
<b>Chinmaya Dash, India</b>	Wilste posterolateral approach for thoracolumbar fractures - single surgeon experience
<b>Dipankar Singh Mankotia, India</b>	Endoscopic endonasal pituitary surgery: how i do it?
<b>Rana Pratap Singh, India</b>	Endoscopic Intradural Extramedullary Lesion Excision: Results of Augmented Duroplasty with Artificial Dura.

**List of e-Posters**  
**(4+1 minutes each)**

Speaker	Topic
<b>Priya Narwal, India</b>	Role of magnetoencephalography in localising epileptogenic tubers in tuberous sclerosis correlated with other pre-operative investigations and long term outcomes.
<b>Saurabh Kr Varshney, India</b>	Pituitary Fossa Chondroma : An unusual case of a sellar suprasellar mass masquerading as Giant Invasive Pituitary Adenoma.
<b>Shreyash Rai, India</b>	Surgical outcomes, pathological characteristics and functional outcomes of clival lesions operated by endoscopic endonasal approach: A single center retrospective study
<b>Krishna Shroff, India</b>	Endoscopic biopsy of pineal region tumors: Experience of a single unit

- Best e-poster and best e-video will be awarded an award certificate and a prize money of Rs 15,000 each.
- Awards will be announced at 1600 hours on 28<sup>th</sup> October 2022 in Hall A. All speakers are requested to be present for the announcement.

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**Post-lunch talks (parallel sessions)**

**DAY 2 (28th OCT 2022, FRIDAY)**

<b>1400-1500</b>	<b>Minimally invasive spine 2 (Parallel session in Hall A)</b>	
	<b>Chairpersons: Asheesh Tandon, Kiran M</b>	
<b>1400-1410</b>	<b>Sujoy K Sanyal, India</b>	Minimal Access approach including its use in Osteoporotic Spondylolisthesis
<b>1410-1420</b>	<b>Jayesh Sardhara, India</b>	Minimally invasive oblique lumbar interbody fusion (OLIF): Technical pearls and long term outcome
<b>1420-1430</b>	<b>Kiran M, India</b>	Cervical laminoforaminotomy- Functional restorative surgery for cervical radiculopathy
<b>1430-1440</b>	<b>Ashish Kumar, India</b>	Different methods of doing kyphoplasty: lesson learnt
<b>1440-1450</b>	<b>Deepak Bhangale, India</b>	Challenges and complications in minimally invasive spine surgery: A beginner's perspective
<b>1450-1500</b>	<b>Mahendra Singh Chouhan, Kenya</b>	Endoscopic spine surgery: Getting into the minds of Orthopedic surgeons- and early experience of 150 cases
<b>1400-1510</b>	<b>Minimally Invasive Approaches to Pituitary and Sella/ Miscellaneous (Parallel session in Hall B)</b>	
	<b>Chairpersons: Deepak Jha, Hitesh Gurjar, Adesh Srivastava</b>	
<b>1400-1410</b>	<b>Jitin Bajaj, India</b>	Awake Keyhole Craniotomy Under IONM guidance
<b>1410-1420</b>	<b>Rajeev Sharma, India</b>	Rathke's cleft cyst – minimally invasive surgical strategies
<b>1420-1430</b>	<b>Rajesh Kumar Meena, India</b>	Ventriculoperitoneal Shunt in Slit-like Ventricles- Role of Minimal Invasive Neurosurgical techniques
<b>1430-1440</b>	<b>Tarunesh Sharma, India</b>	Minimally invasive strip craniectomy for metopic craniosynostosis – Operative video presentation.
<b>1440-1450</b>	<b>Vijay Shekhar, India</b>	Experience in treating Mucormycosis cases
<b>1450-1500</b>	<b>Ishu Bishnoi, India</b>	Arnold Chiari type 1 malformation surgery – experience of minimal Dural opening technique and u/l tonsillar coagulation
<b>1500-1510</b>	<b>Raghavendra G Pattar, India</b>	Nasal mucosal coupling: A novel technique for endoscopic management of large Rathkes cleft cyst

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**DAY 2 (28th OCTOBER 2022, FRIDAY) Common sessions in Hall A**

<b>1500-1600</b>	<b>Ethics in Minimally Invasive Neurosurgery</b>	
	<b>Chairpersons: Girish Tyagi, Arun Gupta</b>	
<b>1500-1530</b>	<b>Girish Tyagi, India</b>	Code of medical ethics
<b>1530-1545</b>	<b>Anil Pande, India</b>	The long road to retractorless neurosurgery. A history of brain, spinal cord and root retraction
<b>1545-1600</b>	<b>Lukas Rasulic, Serbia</b>	Minor surgeries with major complications - myth or reality

<b>1600-1745</b>	<b>Joint ISMINS-ACNS session</b>	
	<b>(Enjoy the session with hot kachori and aloo sabzi!!!)</b>	
	<b>Chairpersons: Takashi Izumi, Anand Subramanyam</b>	
<b>1600-1615</b>	<b>Ashish Suri, India</b>	Extended endonasal endoscopy for central skull base
<b>1615-1630</b>	<b>Hirotoishi Sano, Japan</b>	Esoterica of my clipping surgery
<b>1630-1645</b>	<b>Saleem Abdulrauf, USA</b>	Awake Craniotomy for Complex Aneurysms and AVMs
<b>1645-1700</b>	<b>Manmohan Singh, India</b>	Approaches to cavernous sinus hemangioma
<b>1700-1715</b>	<b>Iype Cherian, India</b>	Endoscopic trans-clival resection of exophytic brainstem gliomas
<b>1715-1730</b>	<b>Hyeun Sung Kim, Korea</b>	Safe Route for Cervical Approach: Partial Pediculotomy, Partial Vertebrotoomy Approach for Posterior Endoscopic Cervical Foraminotomy and Discectomy
<b>1730-1745</b>	<b>Naoya Kuwayama, Japan</b>	Variety of technique of endovascular aneurysm treatment