



10th Annual Conference of the Indian Society of Neuro-Oncology

Pre-conference Workshops: 5th- 6th April, 2018

- WFNS 3D Neuro-anatomy & Live Surgery Workshop
- Molecular Neuro-oncology Workshop
- Stereotactic Radio Surgery & Radiotherapy Contouring Workshop

ISNOCON 2018: 6th- 8th April, 2018

SCIENTIFIC PROGRAM



Venue:
All India Institute of Medical Sciences, New Delhi, India.

www.isnocon2018.org

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WFNS 3D NEURO-ANATOMY AND LIVE SURGERY WORKSHOP

Coordinators: Amol Raheja, Shashwat Mishra

THURSDAY 5TH APRIL 2018

J L N Auditorium, AIIMS

10:30 am - 1:00 pm	Chairpersons: Deepak K. Gupta, T. S. Roy, Vladimir Benes	
10:30 am - 11:00 am	Phylogenetic evolution of the CNS and intrinsic brain tumors growing patterns (3D Lecture)	Pablo González-López
11:00 am - 11:30 am	The craniometric points and cerebral lobes sulcogyral architecture. (3D Lecture)	Víctor Fernández Cornejo
11:30 am - 12:00 pm	Operative cases discussion	All faculty
12:00 pm - 12:30 pm	The white matter of the human brain and tumor anatomy understanding. Lateral and medial aspects. (3D Lecture)	Pablo González-López
12:30 pm - 1:00 pm	Gliomas surgery and the white matter of the human brain. Are we doing enough? (2D Lecture)	Keki Turel
1:00 pm - 2:00 pm	Lunch	
2:00 pm - 4:00 pm	Live surgery 3D transmission from OT Moderators: Pablo González-López, Dattatraya Muzumdar, Víctor F Cornejo	
	3D microscope transmission - Glioma surgery	Jeffrey Weinberg
	3D endoscope transmission - Pituitary adenoma	Ashish Suri
4:00 pm - 4:15 pm	Tea break	
4:15 pm - 6:45 pm	Chairpersons: Manas Panigrahi, Paritosh Pandey, Suresh Sankhla	
4:15 pm - 4:45 pm	The implementation of the Intraoperative MRI in Neurosurgery. Intrinsic tumors. (2D Lecture)	Vladimir Benes
4:45 pm - 5:15 pm	Insular lobe anatomy and multimodal surgery for insular tumors. (3D Lecture)	Pablo González-López
5:15 pm - 5:45 pm	Surgery for gliomas in eloquent regions: do's and don'ts. (2D Lecture)	Keki Turel
5:45 pm - 6:45 pm	Surgical 3D/HD video session: 10 min each faculty	All faculty
FRIDAY 6TH APRIL 2018		
8:30 am - 11:00 am	Chairpersons: P. S. Chandra, Renu Dhingra, Sandip Chatterjee	
8:30 am - 9:00 am	Diencephalon and brainstem anatomy and basic surgical routes. (3D Lecture)	Pablo González-López
9:00 am - 9:30 am	Surgical approaches for deep seated lesions. (2D Lecture)	Vladimir Benes
9:30 am - 10:00 am	Cerebellovermian and IV ventricle lesions. Surgical anatomy and approaches. (3D Lecture)	Víctor Fernández Cornejo
10:00 am - 10:30 am	Retrosigmoid approach and CPA anatomy for surgical tumors. (3D Lecture)	Pablo González-López
10:30 am - 11:00 am	Central skull base: Microscope and endoscope approaches. (3D Lecture)	Ashish Suri

MOLECULAR NEURO-ONCOLOGY WORKSHOP

Coordinators: Ritu Gupta and Vaishali Suri

THURSDAY 5TH APRIL 2018

Conference Hall, 1st Floor, J L N Auditorium, AIIMS

10:30 am - 1:00 pm	Lectures on Molecular Neuro-Oncology Chairpersons: Sujata Chaturvedi, R. K. Saran, Sunita Ahlawat	
10:30 am - 11:00 am	Adult Diffuse Glioma: Practical Approach in Molecular Era	Sonika Dahiya
11:00 am - 11:30 am	Are IDH wildtype gliomas all glioblastomas?	H. K. Ng
11:30 am - 12:00 pm	Cases for which the brain tumor diagnosis was clarified or established by Next Generation Sequencing (NSG)	Arie Perry
12:00 pm - 12:30 pm	Molecular classification of CNS embryonal tumors in Indian context	Chitra Sarkar
12:30 pm - 1:00 pm	Discussion	
1:00 pm - 2:00 pm	Lunch	
2:00 pm - 6:30 pm	Hands-on Workshop (Parallel sessions)	
	PCR, Sanger sequencing and Next-Generation Sequencing Coordinator: Ritu Gupta	
2:00 pm - 2:45 pm	Introduction to NGS technology and applications in clinical oncology	
2:45 pm - 3:30 pm	NGS panel designing, data analysis solutions and molecular oncology reporting	
3:30 pm - 4:30 pm	Demonstration - Lab workflow - NA isolation from FFPE, library prep, templating and sequencing	
4:30 pm - 4:45 pm	Tea	
4:45 pm - 5:45 pm	Demonstration - analysis workflow - design panel, run report QC and data analysis	
5:45 pm - 6:30 pm	Discussion and wrap-up	
	Fluorescence in-situ hybridization (FISH) Coordinator: Vaishali Suri	
2:00 pm - 2:30 pm	Basics of FISH and protocol details	
2:30 pm - 3:00 pm	Reagent preparation	
3:00 pm - 3:45 pm	Deparaffinization	
3:45 pm - 4:30 pm	Pre-treatment	
4:30 pm - 4:45 pm	Tea	
4:45 pm - 5:15 pm	Probe addition	
5:15 pm - 6:00 pm	Denaturation and over-night hybridization	
6:00 pm - 6:30 pm	Discussion	
FRIDAY 6TH APRIL 2018		
8:30 am - 11:00 am	Hands-on Workshop (Parallel sessions) – contd.	
	PCR, Sanger sequencing & Next-Generation Sequencing – contd.	
8:30 am - 9:00 am	Introduction to Capillary Electrophoresis system and applications in clinical oncology	
9:00 am - 10:00 am	Demonstration - Sanger Sequencing - target amplification, cycle sequencing, run set-up	
10:00 am - 10:30 am	Demonstration - data analysis - primary QC, multiple alignment and minor variant finder software	
10:30 am - 11:00 am	Discussion and wrap-up	
	Fluorescence in-situ hybridization (FISH) – contd.	
8:30 am - 9:15 am	Post hybridization and addition of DAPI	
9:15 am - 10:30 am	Observation of processed slides and imaging	
10:30 am - 11:00 am	Discussion and wrap-up	

STEREOTACTIC RADIOSURGERY AND RADIOTHERAPY CONTOURING WORKSHOP

Coordinators: Kanwaljeet Garg, K.P. Haresh, Manoj Phalak

THURSDAY 5TH APRIL 2018

J L N Auditorium, AIIMS

10:30 am - 1:00 pm	Chairpersons: Deepak K. Gupta, T S Roy, Vladimir Benes	
10:30 am - 11:00 am	Phylogenetic evolution of the CNS and intrinsic brain tumors growing patterns (3D Lecture)	Pablo González-López
11:00 am - 11:30 am	The craniometric points and cerebral lobes sulcogyral architecture. (3D Lecture)	Víctor Fernández Cornejo
11:30 am - 12:00 pm	Cases discussion	All faculty
12:00 pm - 12:30 pm	The white matter of the human brain and tumor anatomy understanding. Lateral and medial aspects. (3D Lecture)	Pablo González-López
12:30 pm - 1:00 pm	Gliomas surgery and the white matter of the human brain. Are we doing enough? (2D Lecture)	Keki Turel
1:00 pm - 2:00 pm	Lunch	

Ramalingaswamy Board Room, AIIMS

2:00 pm - 3:30 pm	Chairpersons: S. S. Kale, M. K. Tiwari, V. P. Singh	
2:00 pm - 2:28 pm	Work flow in Gamma Knife Radiosurgery and treatment planning	Deepak Aggarwal
2:30 pm - 2:48 pm	Gamma Knife fractionation: Concept, Indications and outcome	Dhirendra Prasad
2:50 pm - 3:08 pm	Radiosurgery for Glomus Jugulare Tumors	Aditya Gupta
3:10 pm - 3:28 pm	Gamma Knife Radiosurgery in Functional Pituitary Adenoma	S. Dwarkanath
3:30 pm - 3:48 pm	Role of Gamma Knife in the management of Non-Functional Pituitary Adenoma	V. P. Singh
3:50 pm - 4:00 pm	Gamma Knife radiosurgery in parasagittal meningiomas: outcome and complications	Kanwaljit Garg
4:00 pm - 4:15 pm	Tea	
4:15 pm - 6:00 pm	Chairpersons: Dhirender Parsad, Sandeep Vaishya, Aditya Gupta	
4:15 pm - 4:33 pm	Gamma Knife Radiosurgery in Acoustic Neuroma: Long term outcome, hearing preservation and complications	M. K. Tiwari
4:35 pm - 4:53 pm	Gamma Knife Radiosurgery Complications & its avoidance	Manmohan Singh
4:55 pm - 5:10 pm	Concluding Remarks	Sandeep Vaishya
5:15 pm - 6:00 pm	Panel discussion for radiosurgery queries	All speakers
6:00 pm - 6:45 pm	Visit to Gamma Knife facility and demonstration: Manmohan Singh, Deepak Aggarwal	

FRIDAY 6TH APRIL 2018

Ramalingaswamy Board Room, AIIMS

8:30 am - 11:00 am	Chairpersons: Munish Gairola, Manish Pandey, Rajesh Pasricha	
8:30 am - 8:48 am	Immobilization, positioning and simulation for conventional cranial and craniospinal irradiation.	Anirudh U. P.
8:50 am - 9:08 am	Pituitary adenoma and Craniopharyngioma contouring (Guidelines / grey areas and practical solutions)	Narendra Kumar
9:10 am - 9:28 am	Meningioma contouring (Guidelines/grey areas and practical solutions)	Shankar V.
9:30 am - 9:48 am	Hemangiopericytoma contouring (Guidelines/grey areas and practical solutions)	Gagan Saini
9:50 am - 10:08 am	Chordoma contouring (Guidelines/grey areas and practical solutions)	Shikha Goyal
10:10 am - 11:00 am	Visit to IRCH Radiotherapy Department: Subhash Gupta, Haresh KP	

FRIDAY 6TH APRIL 2018

11:00 am - 12:00 pm	BRUNCH: J L N Auditorium Quadrangle ISNO Executive meeting – Director Committee Room, AIIMS	
12:00 pm - 7:30 pm	J L N Auditorium, AIIMS	
12:00 pm - 1:35 pm	Aggressive benign brain tumors - Part 1- Meningiomas Chairs: S. K. Gupta, A. K. Anand, B. D. Radotra	
12:00 pm - 12:15 am	How to diagnose aggressive meningiomas on imaging?	Ajay Garg
12:15 pm - 12:30 pm	Update of pathology and genetics in meningiomas	Arie Perry
12:30 pm - 12:45 pm	Novel surgical approaches for skull base meningiomas	Manas Panigrahi
12:45 pm - 1:00 pm	Current approaches in the management of aggressive meningiomas in the molecular era	Gelarah Zadeh
1:00 pm - 1:15 pm	Outcome of aggressive parasagittal meningiomas	Keki Turel
1:15 pm - 1:35 pm	Panel discussion Moderator: V. S. Mehta	Above speakers will be in the panel
1:40 pm - 3:15 pm	Aggressive benign brain tumors - Part 2 - Pituitary tumors & Craniopharyngiomas Chairs: B. S. Sharma, Deepu Banerji, Tejinder Kataria	
1:40 pm - 1:55 pm	WHO 2017 - Classification and Pathology of aggressive pituitary adenomas	Geeta Chacko
1:55 pm - 2:10 pm	Optimal management for aggressive and giant pituitary adenomas	Atul Goel
2:10 pm - 2:25 pm	Surgical approaches in difficult and recurrent craniopharyngiomas	C. E. Deopujari
2:25 pm - 2:40 pm	Balancing cures and complications by modern radiation therapy techniques	Shaleen Kumar
2:40 pm - 2:55 pm	Emerging systemic therapies (targeted therapy, immunotherapy) for aggressive/recurrent pituitary tumours and craniopharyngiomas	Manmeet Ahluwalia
2:55 pm - 3:15 pm	Panel discussion Moderator: Anusheel Munshi	Above speakers will be in the panel
3:15 pm - 3:35 pm	Tea	
3:40 pm - 5:30 pm	Chairs: K. Sridhar, Subrata Sinha, S. C. Pande	
3:40 pm - 4:00 pm	Key note lecture 1: (17+3 minutes) Emerging role of proton therapy in aggressive benign brain tumors	Rakesh Jalali
4:00 pm - 4:30 pm	ISNO Award Session – 2 awards x 15 min each Best Clinician Researcher Outstanding Work in Neuro-oncology	
4:30 pm - 5:30 pm	Six top scoring abstracts x 10 min each (8+2 minutes) 3 abstracts from Clinical Neuro-oncology 3 abstracts from Basic/Translational Neuro-oncology	
5:30 pm - 6:20 pm	Presidential Oration Chairs: Suresh Sankhla, Rakesh Jalali, S.N. Mathuriya	
	Milestones in Neuropathology - Bridging morphology with molecules Introduction: Chitra Sarkar	Vani Santosh
6:30 pm	Inauguration of ISNOCON 2018	
8:00 pm	Dinner	

SATURDAY 7TH APRIL 2018**J L N Auditorium, AIIMS**

8:30 am – 10:35 am	Contemporary Management of Primary CNS Lymphomas – Towards ISNO guidelines Chairs: Hemant Malhotra, Vedantam Rajshekhar, M. C. Sharma	
8:30 am - 8:45 am	Diagnostic work-up in PCNSL	Tejpal Gupta
8:45 am - 9:00 am	Pathology and molecular biology of PCNSL	Sridhar Epari
9:00 am - 9:15 am	Evidence based chemo-immunotherapy regimens in PCNSL	Hari Menon
9:15 am - 9:35 am	Keynote lecture 2: Contemporary management of PCNSL (20 min)	Tracy Batchelor
9:35 am - 9:50 am	Choosing the optimal regimen in the Indian context	Bhausahab Bagal
9:50 am - 10:05 am	Radiation Therapy guidelines in PCNSL	Godajayant Sastri
10:05 am - 10:20 am	Salvage therapy for relapsed/refractory PCNSL	Lakshmi Nayak
10:20 am - 10:35 am	Evolving ISNO national guidelines	All speakers
10:40 am - 11:00 am	Tea	
11:00 am - 12:00 pm	DO NOT MISS IT SESSION – Landmark papers in Neuro-Oncology (12+3 min) Chairs: P. K. Julka, Anand Balasubramaniam, Neelam Shirsat	
11:00 am - 11:15 am	PCNSL: IELSG 32 trial: Lancet Hematol 2016 & 2017	Amit Aggarwal
11:15 am - 11:30 am	Meningioma: Methylation-based classification: Lancet Oncol 2017	Vaishali Suri
11:30 am - 11:45 am	Recurrent GBM: EORTC 26101 trial: NEJM 2017	Vineet Gupta
11:45 am - 12:00 pm	Recurrent GBM: CheckMate 143: WFNOS 2017	Santosh Kesari
	WHO 2016: Revisited Chairs: P. Kondaiah, Nuzhat Hussain	
12:00 pm - 12:20 pm	Keynote lecture 3: The evolving role of TERT in human glioma – a multifaceted demigod (17+3 minutes)	Koichi Ichimura
12:20 pm - 12:35 pm	Special lecture 1: Adult gliomas - Can we look beyond WHO 2016? (12+3 minutes)	H.K. Ng
	A. B. Guha Oration Chairs: Vani Santosh, A. K. Mahapatra	
12:40 pm - 1:30 pm	Extent of resection for GBM: Where to draw the line? (40 minutes) Introduction of speaker: Suresh Sankhla	Raymond Sawaya
1:30 pm - 2:30 pm	Lunch	
	Technical advances in Neurosurgical Oncology (12 + 3 minutes) Chairs: Datta Muzumdar, S. S. Kale, Sailesh Gaikwad	
2:30 pm - 2:45 pm	Special lecture 2: Impact of surgical techniques on development of leptomeningeal disease	Jeffrey Weinberg
2:45 pm - 3:00 pm	Special lecture 3: Supracerebellar-Infratentorial approach for deep seated tumors	Vladimir Benez
	Expanding horizons in Neuro-Oncology Chairs: Anjali Shiras, Purna Kurkura, Girish Dhall	
3:00 pm - 3:15 pm	Epigenetics of glioma development: Role of RNA modifications (12+3 minutes)	Kumar Somasundaram
3:15 pm - 3:30 pm	Mechanism of drug resistance in gliomas (12+3 minutes)	Vinay Puduvalli
3:30 pm - 3:50 pm	Keynote lecture 4: Pediatric Neuro-Oncology Consortium (PNOC): An early phase clinical trials consortium for children with CNS malignancies (17+3 minutes)	Michael Prados

3:50 pm - 4:15 pm	Tea	
4:15 pm - 6:00 pm	2 Parallel sessions	
	SESSION A (10+2 minutes): Conference Hall, 1st Floor, J L N Auditorium, AIIMS Novel insights into Glioma Biology Chairs: R. K. Gupta, Shilpee Dutt, Kunzung Chosdol	
4:15 pm - 4:30 pm	NGS in Pathology vs liquid biopsy: Where do we stand?	Amit Ray
4:30 pm - 4:45 pm	Insights into imaging biomarkers for adult lower grade gliomas	C. Keshavdas
4:45 pm - 5:00 pm	Quantitating the biologic basis of the glioma phenotype – case studies on bridging the imaging-genomic continuum with histopathology and radiology datasets	Arvind Rao
5:00 pm - 5:15 pm	Genetic landscape of Recurrent glioblastoma: Newer insights in a road less travelled	Arizvazhagan A.
5:15 pm - 5:30 pm	Intracranial nano-therapeutics for the treatment of GBM	Manzoor K.
5:30 pm - 5:45 pm	Hypoxia regulated microRNAs: Implications in GBM biology	Ritu Kulshreshtha
5:45 pm - 6:00 pm	Comprehensive proteomics overview of gliomas	Sanjeeva Srivastava
	SESSION B (10+2 minutes): J L N Auditorium, AIIMS Surgical and therapeutic advances in Neuro-oncology Chairs: Manas Kalra, Randeep Singh, Dheerendra Prasad	
4:15 pm - 4:30 pm	Improving resections in motor eloquent areas	Aliasgar Moiyadi
4:30 pm - 4:45 pm	Prediction of IDH mutation status in high grade gliomas using advanced MRI methods	Jitender Saini
4:45 pm - 5:00 pm	Management of residual / recurrent pituitary adenomas: Evidence and recommendations	Suresh Sankhla
5:00 pm - 5:15 pm	Stereotactic radiosurgery for residual growth hormone secreting pituitary adenomas	Ari Chacko
5:15 pm - 5:30 pm	Challenges in management of chordomas	Ashish Pathak
5:30 pm - 5:45 pm	Newer systemic therapies in skull base tumors	Vijay Patil
5:45 pm - 6:00 pm	Metronomic therapy for refractory pediatric brain tumors	Girish Chinaswamy
6:30 pm Onwards	ISNO General Body Meeting	
8:00 pm	Dinner	

Sunday 8TH APRIL 2018

8:30 am - 9:30 am	Meet the experts: 3 parallel sessions	
Hall A: Conference Hall, 1st Floor, J L N Auditorium, AIIMS Immunotherapy in Neuro-oncology practice		
8:30 am - 8:45 am	Oncolytic viral therapy for cancer	Balveen Kaur
8:45 am - 9:00 am	Immunotherapy in Brain Metastases: Ready for Prime Time?	Manmeet Ahluwalia
9:00 am - 9:15 am	Immunotherapy of brain tumors: efficacy and toxicity	Jyoti Bajpai
9:15 am - 9:30 am	Discussion	All speakers
Hall B: J L N Auditorium, AIIMS Other aggressive benign brain tumors (chordoma, chondrosarcoma, hemangiopericytoma)		
8:30 am - 8:45 am	Lessons learned from International Neuro-Oncology	Gelareh Zadeh
8:45 am - 9:00 am	Surgical management of these tumors with an effort to functional preservation	Sujit Prabhu
9:00 am - 9:15 am	The role of conformal RT vs the benefit of proton/heavy particle therapy in chordoma / chondrosarcoma / hemangiopericytoma	Ashwatha Narayana
9:15 am - 9:30 am	Discussion	All speakers
Hall C: Ramalingaswamy Board Room, AIIMS Molecular diagnostics & translational neuro-oncology		
8:30 am - 8:45 am	Molecular diagnosis of pediatric brain tumours	Koichi Ichimura
8:45 am - 9:00 am	Targeted therapy for IDH1-mutant gliomas	Tracy Batchelor
9:00 am - 9:15 am	Evolving role of BRAF	Sonika Dahiya
9:15 am - 9:30 am	Discussion	All speakers
9:30 am - 11:30 am	Proffered papers: 2 Parallel sessions	
J L N Auditorium, AIIMS Chairs: Subhash Gupta, Shikha Haldar, Manmohan Singh		
9:30 am - 11:30 am	Hall A: Clinical Neuro-Oncology: Proffered papers x 10 (8+2 min each)	
Conference Hall, 1st Floor, J L N Auditorium, AIIMS Chairs: Partho Prasad Chattopadhyay, Ritu Gupta, Kirti Gupta		
9:30 am - 11:30 am	Hall B: Basic/Translational Neuro-Oncology: Proffered papers X 10 (8+2 min each)	
11:30 am - 11:50 am	Tea	
J L N Auditorium, AIIMS Chairs: Shelley Hukku, Amita Mahajan, Ramandeep Arora		
11:50 am - 12:30 pm	Debate: Protons are the standard of care in the management of pediatric brain tumors	For: Debnarayan Dutta Against: Rahul Krishnatry
12:30 pm - 1:30 pm	Challenging cases in neuro oncology Multidisciplinary Tumor Board Discussants: Sushma Patil, MC Sharma, Sona Pungavkar, Venkatesh Mudugiri, Prakash Shetty, Paritosh Pandey, Uday Krishna, Amish Vora, Meenu Gupta	Vivek Tandon Sapna Nangia
1:30 pm - 1:45 pm	Valedictory function	
1:45 pm	Lunch	