

Hannover International Neurosurgical Congress 2017
From Basics & Classics to Global & Innovative Solutions
Madjid Samii 80/40 Anniversary

June 17-19, 2017 – Hannover, Germany





Saturday, 17th of June 2017

Opening Session –
Main Hall
8:00 – 10:00

Break

Kurt Schürmann – Hall
**Session 1: Global
Neurosurgery & Special
Topics**
10:30 - 12:30

Peter Jannetta – Hall
Session 2: Sella Region
10:30 - 12:30 Lectures

Hanno Millesi – Hall
**Session 3: Visualization
& Technology Trends**
10:30 - 12:30 Lectures

Break

Kurt Schürmann – Hall
**Session 4:
Cerebrovascular**
13:30 - 15:30 Lectures

Peter Jannetta – Hall
Session 5: Pain
13:30 - 15:30 Lectures

Hanno Millesi – Hall
**Session 6: Epilepsy &
Special Topics**
13:30 - 15:30 Lectures

Break

Kurt Schürmann – Hall
**Session 7:
Cerebrovascular**
16:00 - 18:00 Lectures

Peter Jannetta – Hall
**Session 8: Vestibular
Schwannoma & Hearing
Restoration**
16:00 - 18:00 Lectures

Hanno Millesi – Hall
**Session 9: Global
Neurosurgery & Special
Topics**
16:00 - 18:00 Lectures

Kurt Schürmann – Hall

Peter Jannetta – Hall

Hanno Millesi – Hall



Sunday, 18th of June 2017

Kurt Schürmann – Hall

Session 10: Skull Base
08:00 - 10:00 Lectures

Peter Jannetta – Hall

**Session 11: Spinal
Tumors & Vascular
Lesions**
08:00 - 10:00 Lectures

Hanno Millesi – Hall

**Session 12: Trauma &
Peripheral Nerves**
08:00 - 10:00 Lectures

Break

Kurt Schürmann – Hall

Session 13: Skull Base
10:30 - 12:30 Lectures

Peter Jannetta – Hall

**Session 14:
Meningiomas**
10:30 - 12:30 Lectures

Hanno Millesi – Hall

Session 15: Spine
10:30 - 12:30 Lectures

Break

Kurt Schürmann – Hall

**Session 16: Functional
Neurosurgery**
13:30 - 15:30 Lectures

Peter Jannetta – Hall

Session 17: Brainstem
13:30 - 15:30 Lectures

Hanno Millesi – Hall

**Session 18: Special
Topics**
13:30 - 15:30 Lectures

Break

Kurt Schürmann – Hall

**Session 19: Special
Topics**
16:00 - 18:00 Lectures

Peter Jannetta – Hall

Session 20: Brain Tumor
16:00 - 18:00 Lectures

Hanno Millesi – Hall

Session 21: Spine
16:00 - 18:00 Lectures

Kurt Schürmann – Hall

Peter Jannetta – Hall

Hanno Millesi – Hall



Scientific Program

Saturday 17th June

8:00 Welcome Address

Samii, A
Fahlbusch, R
Samii, M

Opening Session

Chair: Choux M, Samii M

09:00	Rabischong, P	The importance of anatomy in the neurosurgical practice
09:15	Freund, H-J	Improving cortical dysfunctions - a new perspective for restorative neurosurgery
09:30	Konovalov, A	Surgical treatment of brainstem tumors
09:45	Basso, A	Management of pituitary adenomas: past, present, future

10:00 Break

Kurt Schürmann – Hall

Session 1: Global Neurosurgery & Special Topics

Chair: Kalangu K, Kanno T, Reulen J

10:30	Cheatham, M	Professor Madjid Samii, and the golden years of neurosurgical innovation
10:45	Özgen, T	Effect of experience and quality control in neurosurgery
11:00	Perrin, R	The raccoon eye unmasked
11:15	Kanno, T	Socio-medical supports for Asian developing countries as a neurosurgeon
11:30	Molina-Martinez, M	Capitalism and development of neurosurgery
11:45	Qureshi, M	Achieving sustainable development goals (SDGs): the role of humanitarian neurosurgery
12:00	Ohaegbulam, S	Novel approaches to neurosurgery challenges in Africa
12:15	Mahmud, RM	Africa rising: the story of CAANS



12:30 Lunch Break

Session 4: Cerebrovascular

Chair: Feng L, Gilsbach J, Martin N

13:30	Tu, Y-K	Long term results of high flow bypass for cerebral revascularization
13:45	Dehdashti, A	Cerebral revascularization (for aneurysm and ischemia)
14:00	Brito da Silva, H	Cerebral revascularization for aneurysms in the flow diverter era
14:15	Kato, Y	Advancement of aneurysm treatment
14:30	Sekhar, L	Basilar tip aneurysms; current role for microsurgery
14:45	Charbel, F	New advances in the management of vertebrobasilar disease
15:00	Morcos, J	The future of cerebrovascular surgery; it is not what it used to be
15:15	Baltsavias, G	Cranial dural AV-shunts: best surgical candidate according to classification systems

15:30 Break

Session 7: Cerebrovascular

Chair: Kato Y, Nanda A, Tu Y-K

16:00	Niemeyer, P	Management of complex aneurysms
16:15	Rotim, K	Microsurgical/endovascular combined treatment of intracranial vascular lesions
16:30	Spagnuolo, E	Surgery of complex and giant aneurysms
16:45	Richling, B	Aneurysm therapy and times of change
17:00	Varsos, V	Endovascular treatment of cerebral aneurysms with flow diverters
17:15	Kiwit, J	Biofluid dynamics of intracranial aneurysms
17:30	Gusmao, S	Human placenta aneurysm model for training in vascular microsurgery
17:45	Hattingen, J	The impact of flow diverters on the therapy of intracranial aneurysm



Peter Jannetta – Hall

Session 2: Sella Region

Chair: Arraez M, Fahlbusch R, Loyo-Varela M

10:30	El Khamlichi, A	Long term surgical results in craniopharyngiomas
10:45	Kaye, A	Craniopharyngeoma - shifting paradigm
11:00	Cappabianca, P	Endoscopic endonasal surgery
11:15	Knosp, E	Pituitary surgery with respect to the cavernous sinus
11:30	Loyo-Varela, M	Pituitary tumors, a review of 3019 patients personally operated in 41 years
11:45	Kanaan, I	Challenges in management of pituitary tumors
12:00	Hadani, M	Surgical results of Cushing's disease
12:15	Carvalho, G	Endoscopic surgery of sella lesions

12:30 Lunch Break

Session 5: Pain

Chair: Broggi G, Dan NG, Matthies C

13:30	Gonzales-Portillo, M	Percutaneous balloon compression of the trigeminal ganglion for trigeminal neuralgia: review of critical technical details and outcome
13:45	Dan, NG	30 year review of trigeminal neuralgia surgery
14:00	Turel, K	Microvascular decompression in trigeminal neuralgia
14:15	Elouahabi, A	Management of trigeminal neuralgia percutaneous procedures or microsurgery? What to choose?
14:30	Osorio, E	Microvascular decompression in familial trigeminal neuralgia
14:45	Yampolsky, CG	Motor cortex stimulation for central and neuropathic pain : lessons and management
15:00	Mirzayan, J	Functional microsurgery

15:30 Break



Session 8: Vestibular Schwannoma & Hearing Restoration

Chair: Kaye A, Tatagiba M, Turel K

16:00	Mamytov, M	Result of acoustic neuroma surgery in Kyrgystan
16:15	Urculo, E	Old to new concepts, ideas and solutions in vestibular schwannoma microsurgery by Samii's technique
16:30	Bao, Y	The capsule of vestibular schwannoma and Samii's technique
16:45	Roser, F	On the shoulder of giants: improvement in vestibular schwannoma surgery over the last two decades
17:00	Boublata, L	Vestibular schwannoma surgery by the retrosigmoid approach with intraoperative facial nerve monitoring: 215 cases
17:15	Roche, PH	Contemporary management of large vestibular schwannomas
17:30	Rosahl, S	Brainstem auditory evoked potentials and the neurosurgeon - dual near-field conflict
17:45	Behr, R	Guidelines in ABI - Surgery - experience in 100+ cases

Hanno Millesi – Hall

Session 3: Visualization & Technology Trends

Chair: Ammirati M, Kohmura E, Nabavi A

10:30	Lanfermann, H	Promotion of advanced neuroimaging
10:45	Wrede K	Potential of ultrahigh field MRI: a neurosurgeon's perspective
11:00	Martin, N	Virtual and augmented reality for neurosurgery
11:15	Broggi, G	Fluorescein assisted oncological and vascular neurosurgery
11:30	Umansky, F	Future trends in neurosurgery
11:45	Ammirati, M	Ethics of innovations in neurosurgery
12:00	Kohmura, E	High-tech and low-tech in neurosurgery
12:15	Holl, K	Virtual cerebral aneurysm clipping with real time haptic force feedback in neurosurgical education



12:30 Lunch Break

Session 6: Epilepsy & Special Topics

Chair: Mohammadi B, Sandalcioglu E, Ture U

13:30	Raftopoulos, C	Neurosurgery impact in the treatment of refractory epilepsy
13:45	Chandra, S	Endoscopic disconnective surgery for drug resistant epilepsy- a new concept towards minimally invasive epilepsy surgery
14:00	Paglioli, E	Epilepsy surgery: selective posterior callosotomy for drop attacks
14:15	Zhao, GG	Stereo-EEG guided thermocoagulation in mesial temporal lobe epilepsy surgery: protocol, technique and early observation
14:30	Ture, U	The paramedian supra cerebellar - transtentorial selective amygdalo - hippocampectomy
14:45	El Shawarby, A	Vagal nerve stimulation for intractable epilepsy
15:00	Galanda, M	Improvements in arousal, motor control and behavior with deep cerebellar stimulation after severe brain injury
15:15	Rosseau, G	Report on the Works Health Assembly: May, 2017

15:50 Break

Session 9: Global Neurosurgery & Special Topics

Chair: Ciurea AV, El Khamlichi A, Konovalov A

16:00	Ciurea, AV	A fascinating study about the resemblances of the anatomy and pathology of central nervous system in human and dolphin
16:15	Dechambenoit, G	The paradigm of multidisciplinary in neurosciences
16:30	Zverina, E	Influence of Madjid Samii on the level of neurosurgery in Central European countries
16:45	Akshulakov, S	The national center for neurosurgery Astana, Kazakhstan
17:00	El Azhari, A	Surgical management of medulloblastoma
17:15	Sanoussi, S	Surgical management of brain tumors in developing countries
17:30	Yrysov, K	Current tactics of multiple cerebral aneurysm surgery in Kyrgyzstan
17:45	Enchev, Y	Neurosurgery - safety first



Sunday 18th of June

Kurt Schürmann – Hall

Session 10: Skull Base

Chair: Grotenhuis A, Morcos J, Ramina R

08:00	El Fiki, M	Comprehensive management strategy for endoscopic clivus chordoma , Alexandria experience
08:15	Al-Mefty, O	Surgical treatment of chordomas
08:30	Froelich, S	Combined strategies for complex skull base chordomas and chondrosarcomas
08:45	Jung, H-W	Paradigm change of surgical management of petroclival meningiomas
09:00	Nanda A	Skull base meningiomas: Quo Vadis
09:15	Tatagiba, M	Surgical Management of 1.000 vestibular schwannomas in the era of radiosurgery
09:30	Landeiro, JA	Skull base tumors: Moving towards new approaches foramen magnum meningiomas: choosing the best approach
09:45	Debus, J	Innovation in the radio-therapy of skull base tumors

10:00 Break

Session 13: Skull Base

Chair: Al Mefty O, Delfini R, Sekhar L

10:30	Elhuseiny Khalil, HM	Skull base surgery past-present-future
10:45	Kotb, A	Surgical experience with fronto-lateral approach in the treatment of anterior cranial fossa and suprasellar lesions
11:00	Selviaridis	The supraorbital keyhole approach in the management of tumors of the anterior cranial fossa
11:15	Delitala, A	Supraorbital approach to anterior cranial lesions
11:30	Steno, J	Tuberculum sellae meningiomas: nuances of operative techniques and the outcome.
11:45	Matula, C	All in and around the orbit
12:00	Bakhti, S	Transcranial and lateral approach for intraorbital lesions
12:15	Del Valle, RR	The role of gamma knife radiosurgery in skull base tumors



12:45 Lunch Break

Session 16: Functional Neurosurgery

Chair: Lozano A, Sturm V, Voges J

13:30	Lozano, AM	Advances in functional neurosurgery: from Alzheimer's disease to focused ultrasound
13:45	Voges, J	Deep brain stimulation - What's coming now?
14:00	Matthies, C	Functional stimulation in the central nervous system - evolution and personal experience
14:15	Bothe, HW	Surgery of treatment-resisting unipolar major depression - a novel approach concerning targets and technique
14:30	Gharabaghi, A	Novel technologies for the restoration of the motor function
14:45	Nikkhah, G	Journeys to the center of the brain: a personal perspective
15:00	Stieglitz, L	Stereotaxy and space travel - two things that require accuracy
15:15	Acar, F	Neuromodulation in minimally conscious state or nerve stimulation in Parkinson's disease, where are we?

15:30 Break

Session 19: Special Topics

Chair: Buchfelder M, Charbel F, Krauss J

16:00	Mehdorn, M	Ethics in neurosurgical research
16:15	Mathiesen, T	The difference between scientific proof and evidence
16:30	Unterberg, A	Outcome and quality of life following removal of lesions within the pineal region
16:45	Grotenhuis, A	The anatomical substrate of cerebellar mutism
17:00	Krauss, J	Development of functional neurosurgery: what will be the future?
17:15	Vajkozy, P	New strategies for prevention of cerebral vasospasm
17:30	Misra, B	Microsurgery of complex intracranial aneurysms
17:45	Lumenta C	Intracranial aneurysm surgery: new technologies or technological changes



Peter Jannetta – Hall

Session 11: Spinal Tumors & Vascular Lesions

Chair: Brotchi J, Misra B, Turel K

08:00	Smrcka, M	Problems with indication of operation of intramedullary lesions
08:15	Sajko, T	Intradural spinal tumors: surgical considerations and institutional experience
08:30	Konovalov, N	Surgical treatment of spinal cord tumors in adults
08:45	Bahramin, E	Filum terminal mixopapillary ependymoma versus ependymoma of the conus medullaris
09:00	Robertson, S	Minimally invasive treatment of spinal metastases
09:15	Brotchi, J	My life experience on spinal cord hemangioblastomas. How I did it
09:30	Zhang, H-Q	Cure the spinal cord AVM/F with hybrid surgery
09:45	Caglar, S	Surgical management of spinal AVMs

10:00 Break

Session 14: Meningiomas

Chair: Pamir N, Tomasello F, Walter G

10:30	von Deimling	New classification of meningiomas
10:45	Florian, S	The role of basal cisterns in the development of skull base meningiomas
11:00	Nakamura, M	Surgical treatment of skull base meningiomas - current concepts
11:15	Bundschuh, O	Surgical and radiological treatment of meningiomas within the cavernous sinus
11:30	Tomasello, F	The current management of parasagittal meningiomas
11:45	Antunes, A	The importance of the Simpson grade in the recurrence rate of parasagittal meningiomas
12:00	Bettag, M	Contralateral interhemispheric transfalcine approach to deep seated parafalcine meningiomas
12:15	Pamir, MC	Surgical treatment of tentorial meningiomas
12:30	Sidi Said, A	Irradiation risk in neurosurgery: what about collaboration with AIEA & WHO?



12:45 Lunch Break

Session 17: Brainstem

Chair: Bertalanffy H, Hongo K, Sidi Said A

13:30	Hartmann, C	Molecular alterations in brainstem gliomas
13:45	Arraez, M	Surgical approaches to pontomesencephalic tumors
14:00	Hussein, S	Microsurgery of intrinsic tumors of the brainstem
14:15	Choux, M	Brainstem tumors in children classification and management
14:30	Wong TT	Management of medulloblastoma in children in molecular era: the current status in Taiwan.
14:45	Hongo, K	Surgery for the brainstem cavernous malformation
15:00	Ramina, R	Brainstem cavernomas: surgical techniques and long-term results
15:15	Benes, V	Supracerebellar-infratentorial approach - alternative to retrosigmoid approach

15:30 Break

Session 20: Brain Tumor

Chair: Black PB, Schackert G, Stummer W

16:00	Meyer, B	Surgery of highly eloquent gliomas
16:15	Tonn, JC	Molecular imaging for brain tumor surgery
16:30	Unsgard, G	The concept of operating brain tumors with navigated instruments in updated intraoperative 3D ultrasound volumes method and results
16:45	Solaroglu, I	Fluorescein-sodium-guided surgery
17:00	Stummer, W	Intra-operative fluorescence-imaging: a new paradigm in neurosurgery
17:15	Schackert, G	Intraoperative visualization of functional brain areas: what progress have we made during the last years?
17:30	Jokovic, M	Our results of treatment 118 patients with supratentorial LGG
17:45	Rotta, JM	Low-grade tumors - what makes the difference



Hanno Millesi – Hall

Session 12: Trauma & Peripheral Nerves

Chair: Ghodsi S, Servadei F, von Wild K

08:00	Grothe, C	Molecular and cellular key concepts in peripheral nerve regeneration
08:15	Haastert-Talini, K	Biomaterials approaches towards peripheral nerve grafts: from molecule to product
08:30	Rasulic, L	Brachial plexus surgery: lessons learned within 25 years practice
08:45	van Ouwerkerk, P	Change of cortical motor representation after late nerve transfer in obstetric brachial plexus lesion
09:00	v. Wild, K	Morphological evidence for spinal neurons plasticity and motor nerve regeneration induced by peripheral nerve grafting to the spinal cord in rats
09:15	Emamhadi, MR	Nerve transfer for the restoration of hand function in tetraplegia after spinal cord injury
09:30	Servadei, F	Guidelines for TBI - what is the future?
09:45	Azevedo-Filho, H	Decompressive craniectomy for severe traumatic brain injury: its role after the rescue ICP

10:00 Break

Session 15: Spine

Chair: Konovalov N, Lanksch W, Osorio E

10:30	Sasani, M	Anatomical assessment of variations in Kambin's Triangle - a surgical and cadaver study
10:45	Weigand, H	Radiological diagnostic of lumbar pain
11:00	Harms, J	Treatment option in AIS (Adolescent Idiopathic Scoliosis)
11:15	Oskouian, R	Lateral spine surgery & lumbar plexus
11:30	Kotb, MM	Twenty years experience in endoscopic lumbar disc surgery
11:45	Pedachenko, E	Minimally invasive spine neurosurgery
12:00	Perilla-Cepeda, T	New vision of the degenerative disc disease and treatment with biological nucleoplasty (growth factor agents)
12:15	Masini, M	Microsurgical treatment of lumbar spondylolysis and spondylolisthesis
12:30	El Azm, M	Complication of spinal instrumentation



12:45 Lunchbreak

Session 18: Special Topics

Chair: Di Rocco C, El Hakim A, Oi S

13:30	Gleeson, M	The facial value of skull base surgery
13:45	Lenarz, T	Hearing restoration with auditory implant – state of the art and future perspectives
14:00	Godano, U	Endoscopic and keyhole endoscope assisted transcranial microsurgery: where are we?
14:15	Winkler, A	Surgery in and around the third ventricle: new micro-neuroanatomical landmarks and perspectives
14:30	Oi, S	Historical trend of hydrocephalus research at INI and new neurosurgical technique with the world-finest neuroendoscope
14:45	Ezzat, S	Benign increased intracranial pressure
15:00	Elhakim, A	Pitfall complications and problems of secondary hydrocephalus due to posterior fossa lesions, 40 years experience
15:15	Schumann, M	Is individualized medicine in pediatric neurosurgery the rule or the exception?

15:30 Break

Session 21: Spine

Chair: Masini M, Schaller K, Yampolski C

16:00	Lafuente, J	Craniocervical junction instability
16:15	Camins, MB	Approaches to the cervical spine: determinate factors in selecting the anterior vs. posterior approach
16:30	Burgos, R	Cervical spondylotic myelopathy: management strategies and surgical complications in 100 consecutive cases
16:45	Rohde, V	Alternative dorsal approach to the cervical spine for myelopathy or spinal meningioma
17:00	Zink, PM	The cervical spine: 25 years of development
17:15	Radek, A	Spare fractures of the severe thoracic spine dislocations. The own experiences with treatment and literature reviews
17:30	El Abbadi, N	Applications of percutaneous vertebroplasty and balloon kyphoplasty in spine surgery
17:45	Deinsberger, W	Spinal infections