

## WFNS2022 | SCIENTIFIC PROGRAM

18/03/2022

### 07:00 - 08:30 STATE OF ART - Trauma IV

**Room BC** **Moderators:** *Paiva, Wellington  
Jallo, Jack*

- 7:00 - 07:15 Neuromodulation in Neurotrauma  
*Wellington Paiva (Brazil)*
- 7:15 - 07:30 Advanced Monitoring after Cranial Decompression  
*Andrés Rubiano (Colombia)*
- 7:30 - 07:45 Globalneurosurgery and neurotrauma  
*Ernest Barthelemy (United States)*
- 7:45 - 08:00 Nanotechnology in Neurotrauma Care  
*Russell Andrews (United States)*
- 8:00 - 08:15 Hyperosmolar Therapies in Traumatic Brain Injury  
*Jack Jallo (United States)*
- 8:15 - 08:30 A Snapshot of Surgical Therapies in SCI: What Really Works and Why  
*Michael Fehlings (Canada)*

### 07:00 - 08:30 STATE OF ART - Skull Base IV

**Room EF** **Moderators:** *Samii, Madjid*

- 7:00 - 07:15 Pronostic factors in facial nerve preservation during schwannoma surgery: the role of tumor vascularization and peritumoral adherences.  
*Andrés Cervio (Argentina)*
- 7:15 - 07:30 Intracanalicular Tumors Management (Vestibular Schwannomas)  
*Eduard Zverina (Czech Republic)*
- 7:30 - 07:45 Giant Tumors Management (Vestibular Schwannomas)  
*Roberto Leal Da Silveira (Brazil)*
- 7:45 - 08:00 Treatment of Vestibular Schwannomas with Gamma Knife  
*Julio Antico (Argentina)*
- 8:00 - 08:15 Hearing restoration in neural deafness  
*Amir Samii (Germany)*
- 8:15 - 08:30 Facial Nerve Reanimation Update  
*Madjid Samii (Germany)*

**07:00 - 08:30 VASCULAR DECOMPRESSIONS SYMPOSIUM - Recognition to Prof Marc Sindou I****Room G** Moderators: *Osorio, Enrique*

- 7:00 - 07:15 Relation of Cranial Nerves (V, VII, VIII, IX, X) to brain vessels  
*Igor Lima Maldonado (Brazil)*
- 7:15 - 07:30 Percutaneous Trayectory to Reach out the Trigeminal Neve through the Foramen Oval. Anatomical structures to be avoid  
*Jorge Alvernia (United States)*
- 7:30 - 07:45 Microsurgical anatomy of the cranial nerve centric triangles of the posterior cranial base  
*Rogelio Revuelta-Gutierrez (Mexico)*
- 7:45 - 08:00 The efficacy and safety of Internal Neurolysis for trigeminal neuralgia without neurovascular compression  
*Marco Gonzales-Portillo (Perú)*
- 8:00 - 08:15 Gamma Knife for trigeminal neuralgia  
*Henin Mora (Ecuador)*
- 8:15 - 08:30 Management of Glossopharyngeal Neuralgia  
*Jonathan Ortiz Rafael (Mexico)*
- 8:15 - 08:30 Management of Glossopharyngeal Neuralgia  
*Rogelio Revuelta-Gutierrez (Mexico)*

**07:00 - 08:30 STATE OF ART - Vascular VI****Room HI** Moderators: *Mura, Jorge*  
*Florian, Ioan Stefan*

- 7:00 - 07:15 Stenting for venous sinus stenosis, role of hemodynamics  
*Ali Alaraj (United States)*
- 7:15 - 07:30 Bypasses and Reconstruction in Aneurysms of Anterior Circulation  
*Francisco Gonzalez-Llanos Fernandez De Mesa (Spain)*
- 7:30 - 07:45 Bypasses and Reconstruction in Aneurysms of Posterior Circulation  
*Jorge Mura (Chile)*
- 7:45 - 08:00 EC-IC bypass in cerebral ischemic lesion  
*Saleem I. Abdulrauf (United States)*
- 8:00 - 08:15 Minimally Invasive Techniques for Evacuation of Intraventricular Clots  
*Gustavo Pradilla (United States)*
- 8:15 - 08:30 Cranioplasty in Stroke patients  
*Corrado Iaccarino (Italy)*

**07:00 - 08:30 STATE OF ART - Global Neurosurgery**

**Room J** **Moderators:** *Park, Kee*  
*El Abbadi, Prof. Najia*

- 7:00 - 07:15 Global Neurosurgery: Past, Present and Future  
*Kee Park (Cambodia)*
- 7:15 - 07:30 Health Systems Approach to Achieving Neurosurgical Equity  
*Walter Johnson (United States)*
- 7:30 - 07:45 Research Capacity Building in LMICs  
*Ignatius Esene (Cameroon)*
- 7:45 - 08:00 The Future of Global Neurosurgery is Bright: The Role of Students and Trainees  
*Hodan Abdi (United States)*
- 8:00 - 08:15 Ethics, Law and Neurosurgery: How We Integrate These Domains in our Daily Practice  
*Humberto Caiafa Rivas (Colombia)*
- 8:15 - 08:30 Prevention as a Global Neurosurgery Strategy: GAPSBi-F  
*Gail Rosseau (United States)*

**07:00 - 08:30 STATE OF ART - Skull Base V**

**Room LM** **Moderators:** *Deopujari, Chandrashekhar*  
*Landeiro, Jose Alberto*

- 7:15 - 07:30 Far Lateral Approach to the CCJ: Technical Nuances  
*Gustavo Pradilla (United States)*
- 7:30 - 07:45 Endoscopic Approaches to the Craniocervical Junction  
*Chandrashekhar Deopujari (India)*
- 7:45 - 08:00 Limits of the Endoscopic Approach to CCJ Tumors  
*Jose Alberto Landeiro (Brazil)*
- 8:00 - 08:20 Clival Chordoma: Management and surgical approach  
*Luis Borba (Brazil)*

**07:00 - 08:30 STATE OF ART - Spine IV**

**Room O** **Moderators:** *Duff, John Michael*  
*Díaz, Roberto*

- 7:00 - 07:15 Syringomyelia - how should it be diagnosed and treated  
*Joerg Klekamp (Germany)*
- 7:15 - 07:30 Metastatic Spinal Tumors: Surgical Management  
*Michael Fehlings (Canada)*
- 7:30 - 07:45 Adjacent Segment Disease in The Cervical Spine: Surgical Strategies  
*Bernhard Meyer (Germany)*
- 7:45 - 08:00 Alternatives to traditional treatment of lumbar spine canal stenosis (interlaminar spacer)  
*Julio Luis Pozuelos Lopez (Guatemala)*
- 8:00 - 08:15 Thoracolumbar Junction Fractures: Surgical Management  
*Richard Assaker (France)*
- 8:15 - 08:30 Discussion

**07:00 - 08:30 WFNS COMPLICATIONS SYMPOSIUM | STATE OF ART****Room P Moderators:**

- 07:01 Short Introduction  
*Keki E Turel (India)*
- The value of IONM in detecting upward herniation in a posterior fossa surgery case  
*Llewellyn Padayachy (South Africa)*
- Complications of Robotic Spine Surgery  
*Mohamed Soliman (Egypt)*
- Gamma Radiation Induced tumor: 2 Cases  
*Ibrahim Sbeih (Jordan)*
- Radiosurgery Induced Brain Edema and Necrosis: The Dark Side of the Moon  
*Manjul Tripathi (India)*
- Complication aspect of Proton Beam Therapy  
*Rakesh Jalali (India)*
- Venous Complications in CPA Surgery  
*Marcos Tatagiba (Germany)*
- Complications in Jugular Foramen Surgery and How to avoid it  
*Ricardo Ramina (Brazil)*
- Vertebral artery injury during extreme lateral transcondylar approach for removal of an extensive anterior and  
*Sanjay Behari ( )*
- A recent case of a complicated brain abscess and its management  
*Ekkehard Kasper (Canada)*
- White-out, red-out, and black-out during neuroendoscopic procedures  
*André Grotenhuis (Netherlands)*
- Complications avoidance in endoscopic pituitary adenoma surgery  
*Abdessamad El Ouahabi (Morocco)*
- Haematoma following pit Macroadenoma  
*Salman Sharif (Pakistan)*
- Complications related to the removal of giant pituitary adenomas  
*William Couldwell (United States)*
- Delayed symptomatic vasospasm following transsphenoidal pituitary adenoma surgery  
*Corrado Iaccarino (Italy)*
- Safety of Endoscopic Endonasal Surgery of Sellar-Suprasellar Lesions in Lower Income Settings  
*Mohamed Soliman (Egypt)*
- Complete intracranial migration of a ventriculo-peritoneal shunt: Rare complication of common procedure treated by Endoscopy  
*Virendra Deo Sinha (India)*

**08:40 - 10:10 CONTROVERSIES IN NEUROSURGERY - Trauma IV**

**Room BC** **Moderators:** *Zapata Lopera, Adrian Felipe Adeleye, Prof. Amos*

- 8:40 - 08:55 Non-Invasive Intracranial Pressure Monitoring  
*Robson Luís Oliveira Amorim (Brazil)*
- 8:55 - 09:10 Third Delay in Neurotrauma: From Public Policy to Evidence-Based Management  
*Ernest Barthelemy (United States)*
- 9:10 - 09:25 The BootStrap SCI Project  
*Nicolò Marchesini (Italy)*
- 9:25 - 09:40 Spine Trauma in Low Resource Settings: Challenges and Prospects  
*Ernest Barthelemy (United States)*
- 9:40 - 09:55 Functional Neurorehabilitation in TBI: Hemodynamic and Neurophysiological Basis  
*Massimiliano Visocchi (Italy)*

**08:40 - 10:10 CONTROVERSIES IN NEUROSURGERY - Skull Base IV**

**Room EF** **Moderators:** *Samii, Amir Ramina, Ricardo*

- 8:40 - 08:55 Petrous Apex Tumors: Transcranial Approach  
*Gerardo Guinto Balanzar (Mexico)*
- 8:55 - 09:10 Petrous Apex Tumors: Transcranial vs Endoscopic  
*Juan Luis Gomez Amador (M)*
- 9:10 - 09:24 Cavernous Sinus Tumors: Transcranial Approach  
*TBD (TBD)*
- 9:25 - 09:40 Transoral Versus Transnasal Approach for Craniovertebral Junction Pathologies  
*Massimiliano Visocchi (Italy)*

**08:40 - 10:10 CONTROVERSIES IN NEUROSURGERY - Vascular VI**

**Room HI** **Moderators:** *Charbel, Fady Diaz, Orlando*

- 8:40 - 08:55 Microneurosurgical Treatment of Complex Anterior Communicating Aneurysm as First Option  
*Erhan Türkoglu (Turkey)*
- 8:55 - 09:10 Flow Quantification in Steno-occlusive disease  
*Ali Alaraj (United States)*
- 9:10 - 09:25 Intracranial Atherosclerosis: Indications of Surgical Therapy  
*Francisco Gonzalez-Llanos Fernandez De Mesa (Spain)*
- 9:25 - 09:40 Bail out using intracranial stenting during mechanical thrombectomy  
*Orlando Diaz (United States)*

**08:40 - 10:10 CONTROVERSIES IN NEUROSURGERY - Global Neurosurgery**

**Room J** **Moderators:** *Rosseau, Gail*  
*Esene, Ignatius*

- 8:40 - 08:55 How to Build Neurosurgical Systems in Low Resources Environments: A Socioeconomical Challenge  
*Ernest Barthelemy (United States)*
- 8:55 - 09:10 Neurosurgical Education in the Context of Global Neurosurgery: The Role of Continental Societies in the Development of a Paradigm Shift  
*Luis Borba (Brazil)*
- 9:10 - 09:25 Global Neurosurgery Research Collaborative and the proposal to scale up neurosurgeons in MENA  
*Ahmed Negida (United States)*
- 9:25 - 09:40 Women in Global Neurosurgery  
*Najia El Abbadi (Morocco)*
- 9:40 - 09:55 Management of Spinal Complex Cases in Low Resources Environments: An Ethical Dilemma?  
*Nicephorus Boniface Rutabasibwa (Tanzania, United Republic of)*
- 9:55 - 10:10 Discussion

**08:40 - 10:10 CONTROVERSIES IN NEUROSURGERY - Spine VI**

**Room LM** **Moderators:** *Ley Urzaiz, Luis*  
*Falavigna, Asdrubal*

- 8:40 - 08:55 Chiari I malformation and Basilar Invagination - Decompression or Fusion  
*Joerg Klekamp (Germany)*
- 8:55 - 09:10 What are the long term PROMs after non-surgical treatment of C2 fractures in the elderly  
*Andreas Demetriades (United Kingdom)*
- 9:10 - 09:25 Type 2 Odontoid Fractures: Conservative vs Surgical Treatment  
*Asdrubal Falavigna (Brazil)*
- 9:25 - 09:40 Cervicobrachialgia after road traffic accidents. Surgical management  
*Felix Dolorit (United States)*
- 9:40 - 10:10 Discussion

**08:40 - 10:10** CONTROVERSIES IN NEUROSURGERY - Spine V

**Room O** **Moderators:** *Meyer, Bernhard*  
*Vazquez Soto, Pedro*

- 8:40 - 08:55 Spinal CSF Fistula. How to management  
*John Michael Duff (Switzerland)*
- 8:55 - 09:10 MIS in treatment of lumbar intervertebral disc herniation  
*Kresimir Rotim (Croatia)*
- 9:10 - 09:25 Lumbar Synovial Cysts: Resection vs Resection and Fusion  
*Pablo Mendivil (Argentina)*
- 9:25 - 09:40 TLIF miniopen  
*Pedro Vazquez Soto (Chile)*
- 9:40 - 10:10 Discussion



**08:40 - 10:10 WFNS COMPLICATIONS SYMPOSIUM | CONTROVERSY IN NEUROSURGERY****Room P****Moderators:**

- Introductory Remarks  
*Keki E Turel (India)*
- Changes of apparent diffusion coefficient (ADC) during cardiac cycle of brain in iNPH patients  
*Mitsuhito Mase (Japan)*
- Management of CSF Leaks in Pediatric Neurosurgery  
*Frederick Boop (United States)*
- CSF leak after surgery for lipomas  
*Sandip Chatterjee (India)*
- Management of CSF leaks. Personal experience  
*Nikolay Peev (UK)*
- Paradoxical CSF Rhinorrhoea (traumatic)  
*Chandrashekhar Deopujari (India)*
- A case of complex anterior cranial fossa trauma related CSF leak- its management  
*Atul Goel (India)*
- Management of post traumatic CSF leak in a patient complicated with intracerebral abscesses  
*Fatos Olldashy (Albania)*
- Delayed CSF Fistula after Removal of Olfactory Groove Meningioma.  
*Ioan Stefan Florian (Romania)*
- CFS leak after trigeminal surgery. Mexican experience  
*Cristobal Manuel Moscoso López (Mexico)*
- Homologous banked fascia lata for duroplasty  
*Corrado Iaccarino (Italy)*
- TBA  
*Luis Borba (Brazil)*
- Case of pseudomeningocele and CSF leak following excision of a dumbbell cervical schwannoma  
*Ibrahim Sbeih (Jordan)*
- CSF leak after anterior cervical spine surgery  
*Sandip Chatterjee (India)*
- CSF leak in a patient with severe cord compression and ankylosing spondylitis  
*Jeremy Steinberger (United States)*
- Idiopathic CSF leak after Lumbar Surgery  
*Scott Robertson (United States)*

**09:00 - 10:10 VASCULAR DECOMPRESSIONS SYMPOSIUM - Recognition to Prof Marc Sindou II**

**Room G** **Moderators:** *Mora, Henin  
Carrillo Ruiz, Mr. Jose Damian*

- 9:00 - 09:15 Hemifacial Spasm. Surgical Approach  
*Antonio Daher (Venezuela)*
- 9:15 - 09:30 Familial Trigeminal Neuralgia  
*Enrique Osorio (Colombia)*
- 9:30 - 09:50 Classical Trigeminal Neuralgias: from Imaging to Surgery  
*Marc Sindou (France)*
- 9:50 - 10:00 Discussion - Vascular decompressions Symposium
- 10:00 - 10:10 Prof. Marc Sindou's life synopsis  
*Jorge Alvernia (United States)*
- 10:00 - 10:10 Prof. Marc Sindou's life synopsis  
*Enrique Osorio (Colombia)*

**10:40 - 11:00 PLENARY SESSION - Vascular V**

**Auditorium** **Moderators:** *Fonseca, Marco  
El Abbadi, Prof. Najia  
Soriano Sánchez, Jose Antonio*

- 10:40 - 11:00 Bypass Past, Present, Future  
*Francisco Gonzalez-Llanos Fernandez De Mesa (Spain)*

**11:00 - 11:20 PLENARY SESSION - Spine III**

**Auditorium** **Moderators:** *Fonseca, Marco  
Soriano Sánchez, Jose Antonio  
El Abbadi, Prof. Najia*

- 11:00 - 11:20 MIS 360 fusion with total navigation  
*Bernhard Meyer (Germany)*

**11:20 - 11:40 PLENARY SESSION - Skull Base V**

**Auditorium** **Moderators:** *Fonseca, Marco  
Soriano Sánchez, Jose Antonio  
El Abbadi, Prof. Najia*

- 11:20 - 11:40 Glomus Jugulare Tumor Update  
*Ricardo Ramina (Brazil)*

**11:40 - 12:00** PLENARY SESSION - Global Neurosurgery

**Auditorium** Moderators: *Fonseca, Marco*  
*Soriano Sánchez, Jose Antonio*  
*El Abbadi, Prof. Najia*

11:40 - 12:00 Global Neurosurgery: Working Together to Address Unmet Needs  
*Kee Park (Cambodia)*

**12:00 - 12:20** PLENARY SESSION - Special Guest V

**Auditorium** Moderators: *Fonseca, Marco*  
*El Abbadi, Prof. Najia*  
*Soriano Sánchez, Jose Antonio*

12:00 - 12:20 Arte y Cerebro | Art and Brain  
*Roberto Amador (Colombia)*