

WFNS2022 | SCIENTIFIC PROGRAM

13/03/2022

08:15 - 09:45 PRE-CONGRESS COURSE SPINE - A) Update on Minimally Invasive Spine Surgery

Room O **Moderators:** *Zileli, Mehmet*
Osorio, Enrique

- 8:30 - 08:45 Anatomic Basis for Lumbar Endoscopy
Salman Sharif (Pakistan)
- 8:45 - 09:00 MIS Surgery for Spinal Tumors
Scott Robertson (United States)
- 9:00 - 09:15 Philosophy of Minimally Invasive Spine Surgery
Marcos Masini (Brazil)
- 9:15 - 09:45 Discussion

10:15 - 12:00 PRE-CONGRESS COURSE SPINE - A) Update on Minimally Invasive Spine Surgery II

Room O **Moderators:** *Zileli, Mehmet*
Osorio, Enrique

- 10:15 - 10:30 MIS pedicle screw fixation
Mirza Pojskic (Germany)
- 10:30 - 10:45 MIS Cervical Surgery
Joachim Oertel (Germany)
- 10:45 - 11:00 MIS for Spine Tumors
Jose Antonio Soriano Sánchez (Mexico)
- 11:00 - 11:15 MIS Deformity Surgery
Richard G Fessler (United States)
- 11:15 - 11:30 MIS Robotics Surgery
Mirza Pojskic (Germany)
- 11:30 - 11:45 Discussion

13:00 - 14:45 PRE-CONGRESS COURSE SPINE - B) Update on Cervical Trauma and Spinal Cord Injury

Room O **Moderators:** *Fornari, Maurizio*
Sharif, Salman

- 13:00 - 13:15 Odontoid fractures
Mehmet Zileli (Turkey)
- 13:15 - 13:30 Atlas and Craniocervical Junction Fractures
Oscar Alves (Portugal)
- 13:45 - 14:00 Subaxial cervical fractures
Francesco Costa (Italy)
- 14:00 - 14:15 Fractures with ankylosis
Mehmet Zileli (Turkey)
- 14:15 - 14:45 Discussion
- 14:45 - 15:00 Hangman Fractures
Mehmet Zileli (Turkey)

14:45 - 17:00 PRE-CONGRESS COURSE SPINE - B) Update on Cervical Trauma and Spinal Cord Injury II

Room O **Moderators:** *Fornari, Maurizio*
Sharif, Salman

- 15:30 - 15:45 Spinal cord injury; Medical treatment
Mirza Pojskic (Germany)
- 15:45 - 16:00 Spinal cord injury; Epidemiology and Prevention
Wilco Peul (Netherlands)
- 15:45 - 17:00 Case Discussion (Lower Cervical Trauma)
Zan Chen (China)
- 16:00 - 16:15 Spinal cord injury; Emergency care and clearance
Joachim Oertel (Germany)
- 16:00 - 16:30 Discussion | Update on cervical trauma and spinal cord II
- 16:15 - 16:30 Facet dislocations and closed or open reduction
Francesco Costa (Italy)
- 16:30 - 16:45 Case discussion (upper cervical trauma)
Aderehime Haidara ()
- 16:45 - 17:00 Spinal cord injury; Rehabilitation and restoration
Enrique Osorio (Colombia)

07:00 - 08:30 STATE OF ART - Spine IB

Room BC **Moderators:** *Lafuente Baraza, Jesus
Alves, Oscar*

- 7:00 - 07:15 MISS: The Role of Stimulation Stations for Training
Avelino Parajon Diaz (Spain)
- 7:15 - 07:30 MISS Posterior Fusion
Oscar Alves (Portugal)
- 7:30 - 07:45 Thoracolumbar percutaneous pedicle screw placement using augmented reality guidance
Camilo Molina (United States)
- 7:45 - 08:00 MISS Navigation
Claudius Thome (Austria)
- 8:00 - 08:15 MISS in The Elderly
Jesus Lafuente Baraza (Spain)
- 8:15 - 08:30 MISS Tubular Procedures
Claudius Thome (Austria)

07:00 - 08:30 STATE OF ART - Spine IA

Room O **Moderators:** *Visocchi, Massimiliano
Casey, Adrian*

- 7:00 - 07:15 Cervical Fractures with Ankylosis
Claudius Thome (Austria)
- 7:15 - 07:30 Surgical Management of Jefferson's Fractures
Jake Timothy (United Kingdom)
- 7:30 - 07:45 Cervical Facet Dislocations and Closed or Open Reduction
Vakis Papanastasiou (Cyprus)
- 7:45 - 08:00 Central or axial atlantoaxial instability. Expanding horizons of craniovertebral junction surgery
Atul Goel (India)
- 8:00 - 08:15 Lateral transpsoas approach, evolution, indications and future
Avelino Parajon Diaz (Spain)
- 8:15 - 08:30 Endoscopic approaches to the thoracic spine
Daniel Rosenthal (Germany)

08:40 - 10:10 CONTROVERSIES IN NEUROSURGERY - Spine I

Room O **Moderators:** *Soriano Sánchez, Jose Antonio
Thome, Claudius*

- 8:40 - 08:55 Single cervical radiiculopathy: anterior vs posterior foraminotomy
Marcos Baabor (Chile)
- 8:55 - 09:10 Cervical Disc Herniation: Total Disc Replacement vs ACDF
Miroslav Vukić (Croatia)
- 9:10 - 09:25 Cervical spondylotic myelopathy: Anterior approach
Kenan Arnautovic (United States)
- 9:25 - 09:40 Laminoplasty for Cervical Spondylotic Myelopathy
Erhan Türkoglu (Turkey)
- 9:40 - 09:55 Transforaminal Lumbar Endoscopy
Ralf Wagner (Germany)
- 9:55 - 10:10 Thoracic Disc Herniation: Endoscopic Management
Daniel Rosenthal (Germany)

07:00 - 08:30 STATE OF ART - Spine II

Room O **Moderators:** *Fessler, Richard G*
Meyer, Bernhard

- 7:00 - 07:15 Instability, Updating the Concept: Clinical Focus for Neurosurgeons
Adrian Casey (United Kingdom)
- 7:15 - 07:30 C1-C2 Instability in Patients with Rheumatoid Arthritis: Surgical Management
Paulo Pereira (Portugal)
- 7:30 - 07:45 Management of degenerative cervical myelopathy
Michael Fehlings (Canada)
- 7:45 - 08:00 'Only-fixation' as surgical strategy for myelopathy and radiculopathy related to spinal degeneration and OPLL
Atul Goel (India)
- 8:00 - 08:15 Lumbar Far Lateral Disc Herniation: Surgical Treatment
Vakis Papanastasiou (Cyprus)
- 8:15 - 08:30 Sacroiliitis: Pain Management and Surgical Treatment
Carlos Javier Dominguez Alonso (Spain)

08:40 - 10:10 WFNS SPINE COMMITTEE I

Room N **Moderators:** *Zileli, Mehmet*
Sharif, Salman

- 8:40 - 08:55 Natural course and epidemiology
Krishna Sharma (Nepal)
- 8:55 - 09:10 Cervical Spondylotic Myelopathy: Value of Radiology and Electrophysiological Tests
Mehmet Zileli (Turkey)
- 8:55 - 09:10 Value of radiology and electrophysiological tests
Mehmet Zileli (Turkey)
- 9:10 - 09:25 Conservative or surgical treatment
Oscar Alves (Portugal)
- 9:25 - 09:40 Evidence for Type of Surgeries
Salman Sharif (Pakistan)
- 9:40 - 09:55 Outcome measures and clinical variables affecting outcomes
Francesco Costa (Italy)

08:40 - 10:25 CONTROVERSIES IN NEUROSURGERY - Spine II

Room O **Moderators:** *Lafuente Baraza, Jesus*
Fehlings, Prof. Michael

- 8:40 - 08:55 Cervical Spondylotic Myelopathy: Outcome Measures and Clinical Variables Affecting outcomes
Bong-Soo Kim (United States)
- 8:55 - 09:10 Cervical Spondylotic Myelopathy: Radiological Variables Affecting Outcomes
Jutty Parthiban (India)
- 9:10 - 09:25 Lumbar Spinal Stenosis: Decompression vs Decompression and Fusion
Carlos Javier Dominguez Alonso (Spain)
- 9:25 - 09:40 Anterolateral approach to L4L5 and L5S1: Lateral or Anterior position, when and how
Pablo Vela (Colombia)
- 9:40 - 09:55 Decompressive Surgery for Lumbar Spinal Stenosis
George Dohrmann (United States)
- 9:55 - 10:10 Intradural Extramedullary Spinal Tumors: Open vs MIS Approach
Richard G Fessler (United States)
- 10:10 - 10:25 Strategy of treatment of intramedullary spinal cord tumors. Lessons for the future on the experience of more than 1000 cases.
Nikolay Konovalov (Russian Federation)

07:00 - 08:45 WFNS SPINE COMMITTEE II

Room N **Moderators:** *Robertson, Scott*
Costa, Mr. Francesco

- 7:00 - 07:15 Natural Course and Conservative Treatment for Lumbar Spinal Stenosis
Francesco Costa (Italy)
- 7:15 - 07:30 Value of radiology and electrophysiological tests
Nikolay Peev (UK)
- 7:30 - 07:45 Percutaneous Techniques for Lumbar Spinal Stenosis
Scott Robertson (United States)
- 7:45 - 08:00 Decompressive surgery for lumbar spinal stenosis
Maurizio Fornari (Italy)
- 8:00 - 08:15 Fusion surgery for lumbar spinal stenosis
Mirza Pojskic (Germany)
- 8:15 - 08:30 Adjacent level disease
Nikolay Konovalov (Russian Federation)
- 8:30 - 08:45 Mobility Preserving Surgery for Lumbar Spinal Stenosis
Ben Roitberg (United States)

08:40 - 10:10 CONTROVERSIES IN NEUROSURGERY - Spine III

Room O **Moderators:** *Duff, John Michael*
Carrascosa Granada, Angela

- 8:40 - 08:55 C1-C2 Rheumatoid Reducible Subluxation: Posterior Wiring vs Screws
Massimiliano Visocchi (Italy)
- 8:55 - 09:10 Management of giant thoracic disc: different options
Jake Timothy (United Kingdom)
- 9:10 - 09:25 MISS vs Open in lumbar spinal stenosis
Angela Carrascosa Granada (Spain)
- 9:25 - 09:40 Unstable L5-S1 Low Grade Spondylolisthesis: ALIF vs TLIF
Richard Assaker (France)
- 9:40 - 09:55 Biological Nucleoplasty for Degenerative Disc Disease
Adrian Casey (United Kingdom)

14:00 - 16:00 VIDEO SESSIONS - Spine

Room O Moderators: *Demetriades, Andreas*
Carrascosa Granada, Angela

- 14:00 - 14:12 Transoral Odontoidectomy
Adrian Casey (United Kingdom)
- 14:12 - 14:24 Occipitocervical Fusion
John Michael Duff (Switzerland)
- 14:24 - 14:36 Surgical Technique in Chiari I Malformation
Andreas Demetriades (United Kingdom)
- 14:36 - 14:48 Syringomyelia. Surgical Approach
Joerg Klekamp (Germany)
- 14:48 - 15:00 Transnasal endoscopic odontoid resection
Bernhard Meyer (Germany)
- 15:00 - 15:12 Microsurgical Anterior Cervical Foraminotomy
Marcos Baabor (Chile)
- 15:12 - 15:24 Anterior Cervical Corpectomy and Fusion for Cervical Spondylotic Myelopathy
Mehmet Zileli (Turkey)
- 15:24 - 15:36 Tubular decompression of the cervical spine
Jose Antonio Soriano Sánchez (Mexico)
- 15:36 - 15:48 Minimally Invasive Retropleural Corpectomy
Richard G Fessler (United States)

16:30 - 18:10 VIDEO SESSIONS - Spine II

Room O Moderators: *Thome, Claudius*
Perilla, Tito

- 16:30 - 16:42 Transdural resection of calcified giant thoracic disc
Bernhard Meyer (Germany)
- 16:42 - 16:54 Percutaneous Endoscopic Lumbar Foraminotomy
Ralf Wagner (Germany)
- 16:54 - 17:06 MISS techniques in treatment of spinal stenosis and Biological fusion
Tito Perilla (Colombia)

07:00 - 08:30 STATE OF ART - Spine III

Room O Moderators: *Papanastasiou, Vakis*
Gandia Gonzalez, Maria Luisa

- 7:00 - 07:15 Spinal dural defect and transdural spinal cord herniation: diagnosis, pathogenesis and management overview
Enrique Úrculo (Spain)
- 7:15 - 07:30 Surgical Management of Hangman's Fractures
Wilco Peul (Netherlands)
- 7:30 - 07:45 Cervical Spondylotic Myelopathy: Anterior Decompression Techniques
Andreas Demetriades (United Kingdom)
- 7:45 - 08:00 Cervicothoracic Junction Fractures: Surgical Management
Ruben Martín Laez (Spain)
- 8:00 - 08:15 Lumbar Recurrent Disc Herniation: Surgical Strategies Reduce the Possibility
Claudius Thome (Austria)
- 8:15 - 08:30 Sacral Fractures: Surgical Management
Maria Luisa Gandia Gonzalez (Spain)

08:40 - 10:10 CONTROVERSIES IN NEUROSURGERY - Spine IV

Room O Moderators: *Salas Ferrufino, Gueider*
Martín Laez, Ruben

- 8:40 - 08:55 Meningiomas of the Craniocervical Junction. Surgical Approach
Kresimir Rotim (Croatia)
- 8:55 - 09:10 Unilateral Cervical Facet Dislocation: Anterior vs Posterior Approach
Maria Luisa Gandia Gonzalez (Spain)
- 9:10 - 09:25 Thoracic Disc Herniation: Microscopic vs Endoscopic Approach
Florian Alexander Ringel (Germany)
- 9:25 - 09:40 Vertebral Destruction Syndrome. Systematization in its diagnosis.
Armando Alpizar Aguirre (Mexico)
- 9:40 - 09:55 Functional results of the administration of ozone and platelet-rich plasma as a treatment for lumbosacral disc herniation pain
Luis Miguel Duchén Rodríguez (Bolivia)

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

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