

## WFNS2022 | SCIENTIFIC PROGRAM

13/03/2022

### 07:30 - 09:40 PRE-CONGRESS COURSE Global Neuro Course - Neurotrauma I

**Room BC** **Moderators:** *Rubiano, Andrés*  
*Paiva, Wellington*

- 7:30 - 08:00 Introduction and Objectives  
*Andrew Reisner (United States)*
- 8:00 - 08:20 Global Neurotrauma MAP: Providers & Resources  
*Andrés Rubiano (Colombia)*
- 8:20 - 08:40 Adult Prehospital Management of TBI: An Update  
*Ernest Barthelemy (United States)*
- 8:40 - 09:00 Adult Emergency Management of TBI: An Update  
*Wellington Paiva (Brazil)*
- 9:00 - 09:20 Adult ICU Management of TBI: An update  
*Gene Sung (United States)*
- 9:20 - 09:40 Adult Surgical Management of TBI: An Update  
*Corrado Iaccarino (Italy)*

### 10:00 - 10:40 PRE-CONGRESS COURSE Global Neuro Course - Neurotrauma II

**Room BC** **Moderators:** *Rubiano, Andrés*  
*Paiva, Wellington*

- 10:00 - 10:20 Pediatric Neurotrauma: ICU Management  
*Anthony Figaji (South Africa)*
- 10:20 - 10:40 Pediatric Neurotrauma: Surgical Management  
*P. David Adelson (United States)*

**10:40 - 12:20 PRE-CONGRESS COURSE Global Neuro Course - Pannel Interactive case presentations**

**Room BC** **Moderators:** *Paiva, Wellingson*  
*Rubiano, Andrés*

10:40 - 10:55 Case 1: Advanced Medical Management Neurotrauma - Presentation

*Kiwon Lee (United States)*

11:00 - 11:15 Case 2: Complicated Surgical Case Neurotrauma - Presentation

*Robson Luís Oliveira Amorim (Brazil)*

11:20 - 11:40 Protocols of Care in TBI

*Tariq Khan (Pakistan)*

11:40 - 12:00 Advanced Management Protocols in TBI

*Andrés Rubiano (Colombia)*

12:00 - 12:20 Final Remarks and Certification

**07:00 - 08:30 STATE OF ART - Trauma I**

**Room BC Moderators:** *Figaji, Anthony*  
*Rubiano, Andrés*

- 7:00 - 07:15 Clinical Biomarkers in Traumatic Brain Injury: from Cell Injury to Recovery Pathways  
*Niklas Marklund (Sweden)*
- 7:15 - 07:30 Blood biomarkers in severe TBI in children  
*Andrew Reisner (United States)*
- 7:30 - 07:45 Mycrodialysis in Neurotrauma  
*Deepak Gupta (India)*
- 7:45 - 08:00 Advanced Multimodal Monitoring in Neurotrauma: Integrating Engineer with Medical Sciences  
*Gene Sung (United States)*
- 8:00 - 08:15 Oxygen Monitoring in Traumatic Brain Injury  
*Kiwon Lee (United States)*
- 8:15 - 08:30 Stem Cell Therapies in SCI: Does it Works?  
*Ann Parr (United States)*

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

**Room BC Moderators:** *Tsai, Eve*  
*Paiva, Wellingson*

- 8:40 - 08:55 Limitations of TBI Guidelines  
*Jack Jallo (United States)*
- 8:55 - 09:10 Policy Recommendations for Head and Spine Injury Care in LMIC's  
*Tariq Khan (Pakistan)*
- 9:10 - 09:25 Guidelines in Spinal Cord Injury: What is Missing and What is New  
*Asdrubal Falavigna (Brazil)*
- 9:25 - 09:40 Protocols of Care in Spinal Cord Injury: From Translational Science to Clinical Practice  
*Andreas Demetriades (United Kingdom)*
- 9:40 - 09:55 Protocols for sedation in neurotrauma care  
*Kiwon Lee (United States)*
- 9:55 - 10:10 Discussion

**07:00 - 08:30 STATE OF ART - Trauma II**

**Room BC Moderators:** *Zenteno, Marcelo*  
*Iaccarino, Corrado*

- 7:00 - 07:15 Challenges of Managing Neurotrauma in Low Resources Settings  
*Amos Adeleye (Nigeria)*
- 7:15 - 07:30 Neurotrauma Academic Resources for TBI Care with Application at Global Level: The AANS-CNS Experience  
*Eve Tsai (United States)*
- 7:30 - 07:45 Decision Making for TBI Surgical Management in Austere Environments  
*Andrés Rubiano (Colombia)*
- 7:45 - 08:00 TBI Management in Cameroon  
*Ignatius Esene (Cameroon)*
- 8:00 - 08:15 Management of Cranial Complex Fractures in Low Resources Environments  
*Marcelo Zenteno (Bolivia)*
- 8:15 - 08:30 Evidence Based Management of Chronic Subdural Hematomas  
*Jack Jallo (United States)*

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

**Room BC Moderators:** *Adelson, P. David*  
*Figaji, Anthony*

- 8:40 - 08:55 Pediatric Traumatic Brain Injury: Controversies in Surgical Therapies  
*P. David Adelson (United States)*
- 8:55 - 09:10 Neurocritical Care in Pediatric Brain Trauma: What is Cost-Effective  
*Anthony Figaji (South Africa)*
- 9:10 - 09:25 Traumatic Intracranial Aneurysms in Pediatric Patients  
*Andrew Reisner (United States)*
- 9:25 - 09:40 The Surgical Dilemma: When and How Approach Elderly Patients under Anticoagulant Therapies  
*Wellingson Paiva (Brazil)*
- 9:40 - 09:55 Cranioplasty in children and elderly patients: perspectives from consensus based recommendations  
*Corrado Iaccarino (Italy)*

**07:00 - 08:30 STATE OF ART - Trauma III**

**Room BC** **Moderators:** *Echeverri, Raul*  
*Gupta, Deepak*

- 7:00 - 07:15 Past, Present and Future of the Management of Epidural Hematomas  
*Marcelo Zenteno (Bolivia)*
- 7:15 - 07:30 Update in the Management of Acute Subdural Hematomas  
*Deepak Gupta (India)*
- 7:30 - 07:45 Embolization of Middle Meningeal Artery for Chronic Subdural Hematoma Management  
*Corrado Iaccharino (Italy)*
- 7:45 - 08:00 Brain Edema: Past, Present and Future Management  
*Andrés Rubiano (Colombia)*
- 8:00 - 08:15 Actual Trends in the Management of Penetrating Brain Injury  
*Samer Hoz (Iraq)*
- 8:15 - 08:30 Functional Neurorehabilitation in TBI: Hemodynamic and Neurophysiological Basis  
*Marcos Masini (Brazil)*

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

**Room BC** **Moderators:** *Visocchi, Massimiliano*  
*Salgado Cardozo, Juan Pablo*

- 8:40 - 08:55 Posttraumatic Chiari in intracranial Hypotension  
*Massimiliano Visocchi (Italy)*
- 8:55 - 09:10 Medical and Surgical Management of Brain Contusions  
*Niklas Marklund (Sweden)*
- 9:10 - 09:25 Spinal Cord Infarction After Trauma; Fibrocartilaginous Embolism as a Cause  
*Andrew Reisner (United States)*
- 9:25 - 09:40 Complex Cases of Atypical Penetrating TBI Injuries  
*Samer Hoz (Iraq)*
- 9:40 - 09:55 Surgical Management of Traumatic Injuries in the Posterior Fossa  
*Amos Adeleye (Nigeria)*
- 9:55 - 10:10 Discussion

**16:50 - 17:10 PLENARY SESSION - Trauma**

**Auditorium** **Moderators:** *Samii, Madjid*  
*Pedroza, Alfredo*

- 16:50 - 17:10 Future Trends in Traumatic Brain Injury  
*Niklas Marklund (Sweden)*

**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)*

**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)*