

12th Symposium



International
Neurotrauma
Society

Cape Town • 1- 4 February 2016



12th Symposium
INTS International
Neurotrauma
Society
Cape Town • 1- 4 February 2016
www.ints2016.com

February 1-4, 2016

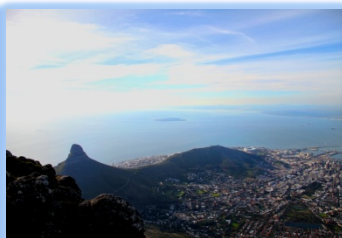
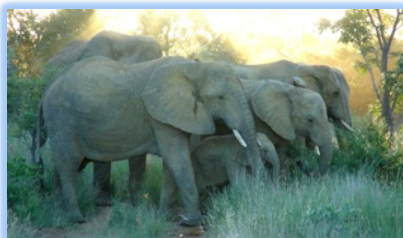
Cape Town, South Africa

Closing Message

The 12th Symposium of the International Neurotrauma Society in Cape Town 2016 was a wonderful occasion of sharing science, preclinical and clinical lessons, and visions for the future of neurotrauma research. More than forty countries from all over the globe were represented, including for the first time several from the African continent. We had the privilege to host an Honorary Lecture by Alexander Baethmann to celebrate his many years in neurotrauma research and we awarded young researchers for their contributions, specifically the Sir Graham Teasdale award to Lisa Hill for the best oral presentation and best poster awards to Fredrik Clausen and Nyota Masumbuko-Kahamba (sponsored by the European Brain Injury Consortium). The rest of the program was filled with a stellar list of invited speakers that can be seen below – we thank once again all the invited speakers, presenters of new research, and all delegates who interacted, debated, connected and celebrated neurotrauma research at INTS 2016.

Importantly, this was the first time the Symposium was held in the developing world and its success was a testament to the appetite in our community for collaborations across borders. As I said in my opening address, these conversations were encouraged by having a Chardonnay in hand, looking at Table Mountain and smelling the air off the ocean in the harbour. Our goal was to connect with each other and make the world a smaller place by taking seriously our mandate as an international society. I hope that we achieved just that.

Tony Figaji, Chair of the INTS 2016 Symposium



12th Symposium

Cape Town • 1-4 February 2016

Cape Town International Convention Centre



International
Neurotrauma
Society

Programme and Information Book



www.ints2016.com

Welcome message by INTS President

Dear Delegates of the 12th Symposium of the International Neurotrauma Society,

It is my great honor and pleasure to welcome you to Cape Town.

In the last two years the organizers headed by Professor Tony Figaji made extreme efforts to make this event a memorable and substantially important meeting of our society. The Board of the Society aimed to aid the organizers, who, in my opinion have done a great job, in the construction of a scientific program of real merit and value. We are living in interesting times: the landscape of neurotrauma research and care has been rapidly changing, creating new challenges for the scientific community. We have to face and answer questions and problems raised by the aging of the population and the increasing occurrence of challenging multimorbid cases.



The location of the meeting also has to highlight and remind us that neurotrauma has particular challenges in developing countries and that the scientific community has to make every effort to distribute the gains and benefits of their results all over the entire World, representing another "translation of research", if you will. These interesting times are also characterized by an unprecedented growing body of international collaborations headed by the INTBIR initiative.

As President of the International Neurotrauma Society my major goal, which with the aid of the Board, our next President and the General Assembly, should also achieve is the establishment of, and the transition to a membership-based, strong scientific society, serving the goals of translational research where our communications, meetings and goals focus on a balanced distribution and promotion of activities of both basic and clinical science. This kind of dual focus and the bench to bedside approach was and will be the trait and symbol of our society. I hope that this meeting will serve the goals of the society and contribute to the better care of brain and spine injury worldwide.

Wishing you a valuable and fruitful meeting!

András Büki

*Professor and Chair
Department of Neurosurgery, Pecs University, Pecs, Hungary
President of the International Neurotrauma Society
Secretary of the Hungarian Neurosurgical Society
Member of the Hungarian College of Neurosurgeons
Treasurer of the EANS
Board Member of the European Brain Injury Consortium*

Welcome message by INTS2016 Chair

Dear Colleagues and Friends

Welcome to Cape Town and the 2016 Symposium of the International Neurotrauma Society. We are excited to host this meeting in our city, the first time it has been held outside the so-called developed world. This is an important step, given the mandate of an international society to be truly global and the fact that the burden of neurotrauma is greatest in the developing world. So too, though, are the opportunities. And amidst all the research, clinical, or policy challenges that we will face in the years to come, I hope that we remember how each of these represents a unique opportunity to accomplish something worthwhile.



Our primary goal is that you have a productive and rewarding meeting. For all of the presenters, thank you for your hard work and your efforts to be here to present it. This meeting is mainly about your contributions. We hope that it will be well received, that you will impart something to others, and by their feedback that they will impart something of worth to you. For all delegates, please contribute in all possible ways – in question and answer sessions, around the posters, in coffee breaks and meal times – your feedback is invaluable – it is what makes this meeting come alive. This must not be a meeting of dry lectures but rather of to and fro discussion, even cut and thrust debate where needed, so that we get the most out of our time together.

Please attend the poster sessions and comment on the work. It honours the presenter and you will learn something valuable. The amount of work represented by each of these posters is considerable and the presenters will benefit from your active engagement. Please also visit the industry stands – these meetings would not be possible without the generous support of our industry partners.

In addition to having a great meeting, I hope that you will also enjoy Cape Town and South Africa. Feel free to ask any of us locals for advice – we each have our own take on what is great about this place. There is so much to do, but please do not be tempted to skip the academic sessions - we need you there! When the program is done however, enjoy everything Cape Town has to offer – from the iconic Table Mountain to the panoramic views on the circular path up Lion's Head, from any of the dozens of beaches on the Indian Ocean or Atlantic Ocean side of the Peninsula to Cape Point at its tip, from the Constantia vineyards of the city to the winelands of Stellenbosch and Franshoek a little further out, from the street food markets and coffee shops to the world class high end restaurants, from the coolness of the Kalk Bay fishing village to the buzz of the Water front, from the history of the Bo-Kaap Malay community to the enormity of Robben Island, whether you are hiking, abseiling, sharkcage diving, surfing, kiteboarding, paragliding, mountain biking, animal watching, swimming with penguins, or just relaxing with your Chardonnay – I hope you have a fantastic stay in Cape Town.

Come back anytime.

Tony Figaji

*2016 Congress Host
Vice president of the INTS
Professor of Neurosurgery
Head of Paediatric Neurosurgery
University of Cape Town
NRF Chair of Clinical Neurosciences*

Symposium Programme

Venues for other meetings and sessions will be confirmed in the final programme on site.

Monday, 1 February 2016

| | |
|---------------|--|
| 17h00 – 18h30 | INTS Board Meeting (<i>The Boardroom 1.3</i>) |
| 19h00 – 20h00 | Opening of INTS2016 (<i>Ballroom West</i>) |
| 20h00 – 21h00 | Welcome Cocktail Function (<i>Exhibition Hall</i>) |

Tuesday, 2 February 2016

| | | | |
|---------------|--|--|---|
| 08h00 – 09h00 | SUNRISE SEMINAR: (<i>Ballroom West</i>) | SUNRISE SEMINAR: (<i>Meeting room 1.4</i>) | SUNRISE SEMINAR: (<i>Meeting room 1.6</i>) |
| | SS1: Clinical Trials Session Chairs: <i>Ross Bullock & Andrew Maas</i> | SS2: Update on axonal pathology Session Chairs: <i>Barry Jordan & David Brody</i> | SS3: Clinical Issues In Spine Injury Session Chairs: <i>Robert Dunn & Kyoung-Suok Cho</i> |
| 08h00 – 08h20 | Clinical Trial design: Lessons learned - <i>Jamie Cooper</i> | Update On Axonal Injury – <i>John Povlishock</i> | New Classification – <i>Michael Fehlings</i> |
| 08h20 – 08h40 | Data Collection And Sharing - <i>Peter Le Roux</i> | Axonal Pathology After TBI – <i>Willie Stewart</i> | Spinal Cord Pressure And Perfusion – <i>Robert Vink</i> |
| 08h40 – 09h00 | RCTs, Comparative Effectiveness And Patient Heterogeneity - <i>Patrick Kochanek</i> | Axonal Injury After Repetitive TBI – <i>Mayumi Prins</i> | Timing And Role Of Surgical Intervention – <i>David Welsh</i> |
| 09h00 – 09h15 | REFRESHMENT BREAK - (<i>Ballroom East – Exhibition Hall</i>) | | |
| 09h15 – 10h45 | MAIN PLENARY (<i>Ballroom West</i>) | | Session Chairs: <i>Patrick Kochanek & Edward Hall</i> |
| 09h15 – 09h45 | Current Status and Priorities for Research in TBI - <i>Ross Bullock</i> | | |
| 09h45 – 10h15 | Current Status and Priorities for Research in Spinal Cord Injury - <i>Michael Fehlings</i> | | |
| 10h15 – 10h45 | Mild TBI: from Denial to Hysteria - <i>Chris Giza</i> | | |
| 10h45 – 11h40 | MAIN PLENARY (<i>Ballroom West</i>) | | Session Chairs: <i>Robert Vink & Andreas Unterberg</i> |
| 10h45 – 11h00 | Update on Status of Basic and Clinical Neurotrauma Research in China – <i>Baiyun Liu</i> | | |
| 11h00 – 11h15 | Update on International Initiatives in TBI research: Challenges and Successes – <i>Andrew Maas, Elizabeth Theriault</i> | | |
| 11h15 – 11h40 | Introduction of the INTS 2016 Honorary Lecturer: <i>Andreas Unterberg</i> Honorary Lecture: Brain Injury- a Lifetime Problem for Neurosurgeons and Neuroscientists – <i>Alex Baethmann</i> | | |
| 11h40 – 13h00 | POSTER SESSION – FIRST ROUND (<i>Ballroom East – Exhibition Hall</i>) | | |
| 13h00 – 14h00 | LUNCH (<i>Ballroom East – Exhibition Hall</i>) | | |
| 14h00 – 15h15 | PARALLEL PLENARY (<i>Meeting Room 1.4</i>) | PARALLEL PLENARY (<i>Meeting Room 1.6</i>) | PARALLEL PLENARY (<i>Ballroom West</i>) |
| | PP1: Neuroprotection and Regeneration Session Chairs: <i>Willie Stewart & Thomas Glenn</i> | PP2: Neuro-inflammation Session Chairs: <i>Baiyun Lu & Adel Helmy</i> | PP3: Spinal Cord Injury – Clinical Session Chairs: <i>David Welsh & Jan Schwab</i> |
| 14h00 – 14h25 | OBT: Logistical Challenges In Multi-Centred Laboratory Studies – <i>Patrick Kochanek</i> | Experimental Strategies To Manipulate Microglia Activation – <i>Elisa Zanier</i> | New Outcome Assessment Tools – <i>Rob Dunn</i> |
| 14h25 – 14h50 | Carbonyl Scavenging As Neuroprotective Approach For TBI – <i>Edward Hall</i> | Lessons From Preclinical Models – <i>Robert Vink</i> | Methylprednisolone In Spinal Cord Injury – <i>Jan Schwab</i> |
| 14h50 – 15h15 | The Role Of The Endocannabinoid System In Neuroprotection And Regeneration – <i>Esther Shohami</i> | Lessons From Clinical Methods – <i>Adel Helmy</i> | A Clinical guideline for the Timing of Surgical Decompression in the Treatment of Acute Traumatic Spinal Cord Injury – <i>Michael Fehlings</i> |
| 15h15 – 15h55 | FREE PAPERS – PARALLEL (<i>Meeting Room 1.4</i>) | FREE PAPERS - PARALLEL (<i>Meeting Room 1.6</i>) | FREE PAPERS - PARALLEL (<i>Ballroom West</i>) |
| 15h15 – 15h25 | Role of cerebrovascular cells in tau processing following traumatic brain injury – <i>Corbin Bachmeier</i> | Investigating the complex relationship between neuroinflammation, neurodegeneration and long-term functional outcomes in an experimental model of traumatic brain injury – <i>Lyndsey Collins-Praino</i> | A clinical guideline for the use of high-dose methylprednisolone in the treatment of acute traumatic spinal cord injury – <i>Michael Fehlings</i> |
| 15h25 – 15h35 | Migraine-associated mutations in the Cav2.1 p/q Ca ²⁺ channel increase posttraumatic cortical spreading depressions and significantly worsen outcome following traumatic brain injury - <i>Nicole Angela Terpolilli</i> | Characterising the localised inflammatory response in pericontusional brain following traumatic injury – <i>Mathew Guilfoyle</i> | Complete reduction of cervical dislocations: a biomechanical approach – <i>Sujoy Sanyal</i> |
| 15h35 – 15h45 | RTBI induced decrease in cerebral glucose metabolism contributes to Alzheimer's pathogenesis – <i>Tiffany Greco</i> | Intravenous AAV9-IL4 as a method for simultaneously regulating inflammation inside and outside the central nervous system – <i>Jodie Hall</i> | Comparison of anterolateral and posterior approaches in the management of thoracolumbar burst fractures – <i>Kyoung-Suok Cho</i> |
| 15h45 – 15h55 | Determining the relative contribution of early oxidative changes, loss of oligodendrocyte precursor cells and node/paranode abnormalities to function, in nerve vulnerable to secondary degeneration – <i>Melinda Fitzgerald</i> | Human umbilical cord perivascular cell (hucpvc) therapy for traumatic brain injury: targeting the neurovascular unit – <i>Katya Park</i> | Epidemiology of acute spinal cord injuries in the Grootte Schuur Hospital acute spinal cord injury (GSH ASCI) unit over the past 11 years – <i>Rob Dunn</i> |
| 15h55 – 16h00 | Discussion | Discussion | Discussion |
| 16h00 – 16h15 | REFRESHMENT BREAK (<i>Ballroom East – Exhibition Hall</i>) | | |
| 16h15 – 18h00 | PARALLEL PLENARY (<i>Ballroom West</i>) | PARALLEL PLENARY (<i>Meeting Room 1.6</i>) | PARALLEL PLENARY (<i>Meeting Room 1.4</i>) |
| | PP4: Chronic Progressive Injury Session Chairs: <i>Esther Shohami & Grace Griesbach</i> | PP5: Spinal cord injury – Preclinical Session Chairs: <i>Michael Fehlings & Reggie Edgerton</i> | PP6: Clinical Neuromonitoring Session Chairs: <i>Randy Chesnut & David Menon</i> |
| 16h15 – 16h40 | Evidence For Chronic Traumatic Degeneration – <i>Barry Jordan</i> | Neuroprotection Trials – <i>Michael Fehlings</i> | Guidelines For Multimodality Monitoring – <i>Peter Le Roux</i> |
| 16h40 – 17h05 | Neuropathology Of Single And Repetitive TBI – <i>Willie Stewart</i> | Inflammation in SCI – <i>Jan Schwab</i> | Integrating Neuromonitoring – <i>Tony Figaji</i> |
| 17h05 – 17h30 | The Role Of Apo E On Outcome – <i>Barry Jordan</i> | Hypothermia – <i>Dalton Dietrich</i> | Determination Of Brain Death: Global Variations – <i>Takashi Araki</i> |

| | | | |
|---------------|---|---|--|
| 17h30 – 18h00 | FREE PAPERS – PARALLEL (Ballroom West) | FREE PAPERS - PARALLEL (Meeting Room 1.6) | FREE PAPERS - PARALLEL (Meeting Room 1.4) |
| 17h30 – 17h40 | Life-long sports-related repetitive concussive head injury in htaw mice: deficits in cerebral blood flow, gliosis, axonal injury and mild increase(s) in t-tau and tau oligomers – <i>Benoît Mouzon</i> | Effects Of Adenosine Monophosphate-activated Kinase In The Ventral Horn Of Rabbit Spinal Cord After Transient Ischemia – <i>Seung-myung Moon</i> | A novel non-invasive cerebral bio-impedance monitor mimics ICP waveform in severe TBI patients – <i>Guy Rosenthal</i> |
| 17h40 – 17h50 | Influence of a western diet and Apo E genotype on outcome after mild repetitive TBI in a mouse model – <i>Fiona Crawford</i> | Identification of a protease activated receptor 2-il-6-stat3 signaling circuit that regulates astrogliosis and motor recovery in traumatic spinal cord injury – <i>Isobel Scarisbrick</i> | Autoregulation-based optimal cerebral perfusion pressure in a prospective traumatic brain injury cohort – <i>Joseph Donnelly</i> |
| 17h50 – 18h00 | Human traumatic brain injury induces rapid accumulation of amyloid-beta oligomers and protofibrils in surgically resected brain tissue – <i>Niklas Marklund</i> | Embryonic spinal cord derived cells help to prevent muscle atrophy after peripheral nerve transection – <i>Carolin Ruven</i> | Core outcomes and common data elements in chronic subdural haematoma (CODE-CSDH) – <i>Angelos Kolias</i> |
| 18h00 – 18h10 | | | A randomised, double blind, placebo-controlled trial of a two-week course of dexamethasone for adult patients with a symptomatic chronic subdural haematoma (DEX-CSDH trial) – <i>Angelos Kolias</i> |
| 19h00 – 22h00 | EVENING AT LEISURE / OPTIONAL EVENT | | |

Wednesday, 3 February 2016

| | | | |
|---------------|---|---|--|
| 08h00 – 09h00 | SUNRISE SEMINAR: (Ballroom West) | SUNRISE SEMINAR: (Meeting room 1.4) | SUNRISE SEMINAR: (Meeting room 1.6) |
| | SS4: Pathophysiology Session Chairs: <i>John Povlishock & Mayumi Prins</i> | SS5: Assessing Outcome Session Chairs: <i>Grace Griesbach & Lars Hillered</i> | SS6: Paediatric issues Session Chairs: <i>Chris Giza & Llewellyn Padayachy</i> |
| 08h00 – 08h20 | Oxidative Injury – <i>Edward Hall</i> | Optimising Assessment Tools – <i>Andrew Maas</i> | Autoregulation In Paediatric Brain Injury – <i>Ken Brady</i> |
| 08h20 – 08h40 | Where Are We Going With Cortical Spreading Depression Research In TBI? – <i>Jed Hartings</i> | Cognitive Decline And Repair following TBI – <i>Esther Shohami</i> | Managing Paediatric TBI: Variations In Current Practice – <i>Michael Bell</i> |
| 08h40 – 09h00 | Plasticity In Rehabilitation Of Spinal Cord Injury – <i>Reggie Edgerton</i> | Patient-reported and Performance-based Outcomes in Persons after Mild Traumatic Brain – <i>Nicole van Steinbuche</i> | Developing A Paediatric Neurocritical Care Approach – <i>Jose Pineda</i> |
| 09h00 – 09h15 | REFRESHMENT BREAK (Ballroom East – Exhibition Hall) | | |
| 09h15 – 10h45 | MAIN PLENARY (Ballroom West) Session Chairs: <i>Andras Buki & Helen Bramlett</i> | | |
| 09h15 – 09h45 | Engaging Clinicians In The Lab – <i>John Povlishock</i> | | |
| 09h45 – 10h15 | Engaging Scientists In The Clinic – <i>Peter Hutchinson</i> | | |
| 10h15 – 10h45 | Round Table Discussion: How best to promote bench to bedside collaborations in building a great unit – <i>Peter Hutchinson, John Povlishock, Andras Buki, Helen Bramlett, Edward Hall</i> | | |
| 10h45 – 11h15 | FREE PAPERS (Ballroom West) | | |
| 10h45 – 10h55 | Mitochondrial DNA And Traumatic Brain Injury – <i>Lisa Hill</i> | | |
| 10h55 – 11h05 | Lactate And Human Traumatic Brain Injury: Effects Of Early Infusion On Body And Brain – <i>Thomas Glenn</i> | | |
| 11h05 – 11h15 | Succinate Administered Focally Enters The Tricarboxylic Acid Cycle Of The Brain And Ameliorates The Lactate/Pyruvate Ratio In Traumatic Brain Injury Patients: A 13c-labelled Microdialysis Study – <i>Ibrahim Jalloh</i> | | |
| 11h15 – 13h00 | POSTER SESSION – SECOND ROUND (Ballroom East – Exhibition Hall) | | |
| 13h00 – 14h00 | LUNCH (Ballroom East – Exhibition Hall) | | |
| 14h00 – 15h15 | PARALLEL PLENARY (Meeting Room 1.6) | PARALLEL PLENARY (Meeting Room 1.41-2) | PARALLEL PLENARY (Meeting Room 1.43-4) |
| | PP7: Microdialysis/ Monitoring Session Chairs: <i>Lars-Owe Koskinen & Niklas Marklund</i> | PP8: Biomarkers Session Chair: <i>Takashi Maeda & Sam Mokogong</i> | PP9: Mild TBI Session Chair: <i>Robert Vink & Mayumi Prins</i> |
| 14h00 – 14h25 | Metabolomics – <i>Bo-Michael Bellander</i> | Biomarkers in Mild TBI – <i>Ramon Diaz-Arastia</i> | The Role Of Substance P In The Development Of Neurodegeneration Following Concussion – <i>Frances Corrigan</i> |
| 14h25 – 14h50 | Proteomics in microdialysis - Methods And Results – <i>Lars Hillered</i> | Biomarker Research In Multicentered Studies – <i>Andras Buki</i> | Animal Models Of Mild TBI – <i>Mayumi Prins</i> |
| 14h50 – 15h15 | Extended Applications Of Microdialysis - Drug Recovery – <i>Peter Hutchinson</i> | Challenges In Applying Biomarker Research Into Clinical Practice – <i>Bo-Michael Bellander</i> | Rehabilitation After Mild TBI – <i>Grace Griesbach</i> |
| 15h15 – 15h55 | FREE PAPERS – PARALLEL (Meeting Room 1.6) | FREE PAPERS - PARALLEL (Meeting Room 1.41-2) | FREE PAPERS-PARALLEL (Meeting Room 1.43 - 4) |
| | FP9 | FP10 | FP11 |
| 15h15 – 15h25 | Microdialysis in severe TBI: a single centre experience in India – <i>Deepak Gupta</i> | Biomarker Changes In Various Fluid Compartments After Traumatic Brain Injury; Temporal Considerations And The Involvement Of The Glymphatic System – <i>Denes Agoston</i> | Toll Like Receptor 4 Activation Can Be Either Detrimental Or Beneficial Following Mild Repetitive Traumatic Brain Injury Depending On Timing Of Activation – <i>Frances Corrigan</i> |
| 15h25 – 15h35 | Mitochondrial Dysfunction And Ischaemia In Severe TBI: A Microdialysis Study – <i>Raghav Singla</i> | Circulating Brain Damage Markers For The Diagnosis And Outcome Prediction Of Traumatic Brain Injuries. A Systematic Review And Meta-analysis – <i>Stefania Mondello</i> | Assessment Of Oculomotor, Vestibular, And Reaction Time Responses Following A Concussive Event – <i>Alexander Kiderman</i> |
| 15h35 – 15h45 | To Drain Or Not To Drain? Is There A Measurable Advantage To Draining Ventricular Fluid Following Severe TBI? – <i>Mark Krasberg</i> | The Potential Utility Of Brain Injury Biomarkers In Pre-clinical Drug Screening By Operation Brain Trauma Therapy – <i>Stefania Mondello</i> | Sport Related Norms For Novel Concussion Assessment Tools- A Pilot – <i>Joseph Hazzard, Jr</i> |
| 15h45 – 15h55 | Post-traumatic Human Seizures And Inter-ictal Discharges Are Generated Via Recurrent Excitation Of Peri-lesional Neural Assemblies – <i>Andres Irimia</i> | Gene Networks Analysis To Elucidate Complexity And To Identify Biomarkers Of TBI – <i>Fernando Gomez-Pinilla</i> | Modeling PTSD and Repetitive Concussive Injury (from Mice to Men) - <i>Joseph Ojo</i> |
| 15h55 – 16h00 | Discussion | Discussion | Discussion |
| 16h00 – 16h15 | REFRESHMENT BREAK (Ballroom East – Exhibition Hall) | | |

| 16h15 – 18h05 | FREE PAPERS –PARALLEL (Meeting Room 1.41-2) | FREE PAPERS - PARALLEL (Meeting Room 1.6) | FREE PAPERS-PARALLEL (Meeting Room 1.43 - 4) |
|---------------|---|---|--|
| | FP12: Paediatrics: Preclinical and Clinical <i>Session Chairs: Michael Bell & Ken Brady</i> | FP13: Clinical Care <i>Session Chairs: Deepak Gupta & Gian Marus</i> | FP14: Preclinical science <i>Session Chairs: Denes Agoston & Thomas Glenn</i> |
| 16h15 – 16h25 | Large-animal combined insult model for inflicted brain injury in infancy – <i>Beth Costine</i> | Characterising the temporal evolution of ICP and cerebrovascular reactivity after severe traumatic brain injury – <i>Hadie Adams</i> | Cortical Gray Matter-White Matter Junction Pattern Of Retention Of The Tauopathy Ligand 18f-t807 (avid-1451) In Clinically Probable CTE – <i>Sam Gandy</i> |
| 16h25 – 16h35 | Systemic metabolic derangements are linked to both intracranial pressure and cerebrovascular reactivity in paediatric traumatic brain injury – <i>Adam Young</i> | 20 years of ICP monitoring in traumatic brain injury - single centre experience from Cambridge, UK – <i>Joseph Donnelly</i> | Self-assembling peptides and neural precursor cells foster neural regeneration following experimental cervical spinal cord injury – <i>Klaus Zweckberger</i> |
| 16h35 – 16h45 | Continuous multimodality monitoring in children after traumatic brain injury- preliminary experience – <i>Adam Young</i> | Current use of intracranial pressure monitoring in Japan – <i>Eiichi Suehiro</i> | Hypoxia Following Traumatic Brain Injury In Rats Exacerbates Lesion Size Whereas Hypoxia-inducible Factor 1 Alpha Increased In Normoxic Rats – <i>Eric Theilm</i> |
| 16h45 – 16h55 | Hyperoxia and mortality after severe TBI in children; challenging the definition of hyperoxia – <i>Ilse Klouwen</i> | Alcohol and mortality after moderate-to-severe traumatic brain injury: a meta-analysis of observational studies – <i>Era Daniel Mikkonen</i> | Transplantation Of Human Neural Stem Cells In Penetrating Ballistic Brain Injury – <i>Aminul Ahmed</i> |
| 16h55 – 17h05 | Prediction of cerebral morphine concentration in pediatric traumatic brain injury (TBI) with the rat physiologically based pharmacokinetic (PBPK) model – <i>E.C.M.de Lange</i> | Individual patient data meta-analysis: surgery for spontaneous and traumatic intracerebral haemorrhage – <i>Barbara Gregson</i> | Controlled-cortical impact produces regio-specific dysfunction of stimulated dopamine neurotransmission in the dorsal striatum that can be restored with chronic methylphenidate treatment – <i>Rashed Harun</i> |
| 17h05 – 17h15 | Severe TBI In Children Treated According To Lund Concept 2000-2009 – <i>Linus Reen</i> | Hopes trial: the randomized multicenter controlled trial for preoperative early-induced hypothermia and its scientific rationale – <i>Shoji Yokobori</i> | Localization of the corticospinal, rubrospinal and spinothalamic tracts in pigs: implications for modelling traumatic spinal cord injury - <i>Anna Leonard</i> |
| 17h15 – 17h25 | Whole brain MR spectroscopic determinants of functional outcomes in pediatric traumatic brain injury – <i>Talin Babikian</i> | The management and outcome of patients with chronic subdural haematoma: a prospective, multicenter, observational cohort study in the United Kingdom – <i>Angelos Kollias</i> | Mechanisms of dysregulation of glucose metabolism following graded traumatic brain injury – <i>Lisa Hill</i> |
| 17h25 – 17h35 | Fix the Lesion or Keep Development Going? Neuroblast Distribution after Cortical Impact in the Immature Gyrencephalic Brain – <i>Beth Costine</i> | Bayesian model of traumatic brain injury biomarker kinetics – <i>Ari Ercole</i> | Comparing 2 rodent models of single and repetitive blast-induced traumatic brain injury - <i>Lizan Kawa</i> |
| 17h35 – 17h45 | Proteomics of brain microdialysis fluid in children with severe TBI – <i>Sarah Iwe</i> | Significant Oxygen Extraction Increases Commonly Occur at a CPP of 100 mm Hg - <i>Howard Yonas</i> | Investigating the pathological effects of single mild or repetitive sub-minimal blast-induced neurotrauma – <i>Sarah Hellewell</i> |
| 17h45 – 17h55 | Discussion: Priorities for research in paediatric TBI | Phosphorus Spectroscopy: Interrogating Brain Metabolism In Acute Severe Traumatic Brain Injury – <i>Matthew Stovell</i> | Single severe TBI produces progressive pathology with contralateral white matter damage one year after injury – <i>Francesca Pischiutta</i> |
| 17h55 – 18h00 | <i>Discussion</i> | <i>Discussion</i> | <i>Discussion</i> |
| 19h30 – 23h00 | GALA DINNER (Ballroom East, CTIOC) | | |

Thursday, 4 February 2016

| 08h00 – 09h00 | SUNRISE SEMINAR: (Meeting room 1.6) | SUNRISE SEMINAR: (Ballroom West) | SUNRISE SEMINAR: (Meeting room 1.4) |
|---------------|---|---|---|
| | SS7: Collaborative Data Collection <i>Session Chairs: Ramon Diaz-Arrastia & Deepak Gupta</i> | SS8: Sports Concussion <i>Session Chair: Mike DuTrevou & Chris Giza</i> | SS9: Animal Models In Spinal Cord Injury: <i>Dalton Dietrich & Reggie Edgerton</i> |
| 08h00 – 08h15 | CENTER TBI – <i>Andrew Maas</i> | Controversies In Sports Concussion – <i>Chris Giza</i> | Trials Of Bioengineered Strategies – <i>Charles Tator</i> |
| 08h15 – 08h30 | ADAPT – <i>Michael Bell</i> | Activate The Brain Or Rest After Concussion? – <i>Grace Griesbach</i> | Stem Cells In SCI – <i>Dalton Dietrich</i> |
| 08h30 – 08h45 | INTBIR – <i>Elizabeth Theriault</i> | Postconcussion Syndrome - A Disabling Consequence Of Concussion – <i>Charles Tator</i> | Electrical Stimulation Of Brainstem And Spinal Cord – <i>Reggie Edgerton</i> |
| 0845 – 09h00 | Instituting Evidence-Based Recommendations In TBI – Challenges faced – <i>Jose Pineda</i> | <i>Round Table Discussion: Priorities For Concussion Research – Speakers and Chairs</i> | <i>Round table Discussion: Priorities for future preclinical SCI research – Speakers and Chairs</i> |
| 09h00 – 09h15 | REFRESHMENT BREAK (Ballroom East – Exhibition Hall) | | |
| 09h15 – 10h45 | MAIN PLENARY (Ballroom West) <i>Session Chairs: Esther Shohami & Dalton Dietrich</i> | | |
| 09h15 – 09h45 | Challenges In Severe TBI Management – <i>David Menon</i> | | |
| 09h45 – 10h15 | Challenges In Acute Spinal Injury Management – <i>Charles Tator</i> | | |
| 10h15 – 10h45 | Operation Brain Trauma Therapy – <i>Patrick Kochanek</i> | | |
| 10h45 – 11h25 | FREE PAPERS (Ballroom West) <i>Session Chairs: GK Prusty & Andreas Unterberg</i> | | |
| 10h45 – 11h05 | Results Of The ANZIC Randomized Controlled Trial Of EPO27 – <i>Jamie Cooper</i> | | |
| 11h05 – 11h15 | A Pragmatic Randomized Trial Of Decompressive Craniectomy Versus Craniotomy For Adults With Acute Subdural Haematoma (RESCUE-ASDH) – <i>Angelos Kollias</i> | | |
| 11h15 – 11h25 | Characterization of Spreading Depolarizations in Severe Traumatic Brain Injury: A Prospective Multi-center Study – <i>Jed Hartings</i> | | |
| 11h25 – 13h00 | POSTER SESSION – THIRD ROUND (Ballroom East – Exhibition Hall) | | |
| 13h00 – 14h00 | LUNCH (Ballroom East – Exhibition Hall) | | |

| 14h00 – 15h15 | PARALLEL PLENARY (<i>Ballroom West</i>) | PARALLEL PLENARY (<i>Meeting Room 1.4</i>) | |
|---------------|--|--|--|
| | PP10: Medical vs Surgical Treatment of Raised ICP <i>Session Chairs: Patrick Semple & Bo-Michael Bellander</i> | PP11: Advanced Imaging Technologies <i>Session Chairs: Howard Yonas & Virginia Newcombe</i> | |
| 14h00 – 14h20 | Medical Treatment Of Raised ICP – <i>David Menon</i> | DTI and prognostication – <i>Virginia Newcombe</i> | |
| 14h20 – 14h40 | Surgical Treatment Of Raised ICP – <i>Peter Hutchinson</i> | Advanced Diffusion MRI Radiological Pathological Correlations In Post Mortem Human Brain From Chronic Traumatic Encephalopathy Patients – <i>David Brody</i> | |
| 14h40 – 15h00 | Round Table Discussion – <i>David Menon, Peter Hutchinson, Tony Figaji</i> | Early Magnetic Resonance Imaging in Traumatic Brain Injury Enhances Prognostication in the Critical Care Setting – <i>Virginia Newcombe</i> | |
| 15h00 – 15h15 | Cerebral Contusions: Patients Who Talk And Deteriorate – <i>Takeshi Maeda</i> | <i>Round Table Discussion: Priorities for future imaging research in TBI and SCI: Howard Yonas, Virginia Newcombe, David Brody, Jonathan Coles.</i> | |
| 15h15 – 15h55 | FREE PAPERS –PARALLEL (<i>Ballroom</i>) | FREE PAPERS - PARALLEL (<i>Meeting Room 1.4</i>) | |
| | FP16 | FP17 | |
| 15h15 – 15h25 | Survival after surgery for acute subdural haematoma in adults: an observational cohort study of 2,498 patients – <i>Angelos Kollias</i> | Use of diffusion tensor imaging to assess the impact of normobaric hyperoxia within normal appearing brain following traumatic brain injury – <i>Jonathan Coles</i> | |
| 15h25 – 15h35 | Comparative effectiveness of surgery for acute subdural hematoma – <i>Thomas Van Essen</i> | Posttraumatic unconsciousness: diffuse axonal injury or brain stem lesion? – <i>Raimond Firsching</i> | |
| 15h35 – 15h45 | Secondary Peak Of S-100B Is Associated With Decompressive Hemicraniectomy – <i>Lars-Owe Koskinen</i> | Integrated DWI and MRS reveal white matter dysfunction in pediatric TBI – <i>Emily Dennis</i> | |
| 15h45 – 15h55 | Effectiveness of CT imaging and observation for detection of secondary intracranial hemorrhage in patients with anticoagulation therapy – <i>Anna Antoni</i> | In vivo evaluation of cerebral blood flow metabolism, apoptosis and stem cell trafficking following traumatic brain injury using multi-spectral optoacoustic tomography imaging in rats – <i>Eugene Park</i> | |
| 15h55 – 16h00 | <i>Discussion</i> | <i>Discussion</i> | |
| 16h00 – 16h15 | REFRESHMENT BREAK (<i>Foyer outside Ballroom</i>) | | |
| 16h15 – 17h15 | INTS Business Meeting, Closing Remarks, and Announcement of INTS 2018 (<i>Ballroom West</i>) | | |

Invited Speakers



Prof Takashi Araki
Lecturer, Senior Assistant
Professor
Department of Emergency and
Critical Care Medicine, Nippon
Medical School Hospital
Japan



Prof Michael Bell
Professor of Critical Care Medicine
University of Pittsburgh School of
Medicine
United States of America



Prof Bo-Michael Bellander
Head of Neurotraumatology
Karolinska University Hospital,
Sweden



Prof Ken Brady
Associate Professor of Pediatrics,
Anesthesia, and Critical Care
Texas Children's Hospital, Baylor
College of Medicine
United States of America



Dr András Búki
University of Pécs,
Hungary



Prof Ross Bullock
University of Miami and Jackson
Hospital,
United States of America



Prof (DJ) Jamie Cooper
Professor of Intensive Care
Medicine
Monash University
Australia



Dr Frances Corrigan
Lecturer
University of Adelaide
Australia



Prof Ramon Diaz-Arrastia
Director of Clinical Research,
Center for Neuroscience and
Regenerative Medicine
Uniformed Services University of
the Health Sciences
United States of America



Prof W. Dalton Dietrich
Professor of Neurological Surgery,
Neurology and Cell Biology
University of Miami
United States of America



Prof Robert Dunn
Consultant Spine and Orthopaedic
Surgeon
Pieter Moll and Nuffield Chair of
Orthopaedic Surgery: University of
Cape Town
South Africa



Prof V. Reggie Edgerton
Professor - Integrative Biology and
Physiology, Neurology, and
Neurosurgery Departments at UCLA
University of California, (UCLA)
United States of America



Prof Michael Fehlings
 Professor of Neurosurgery
 Toronto Western Hospital,
 University Health Network and
 University of Toronto
 Canada



Prof Chris Giza
 Director, UCLA Steve Tisch
 BrainSPORT Program, Medical
 Director, Operation Mend, Associate
 Professor, Departments of
 Pediatrics and Neurosurgery at
 UCLA, University of California,
 United States of America



Dr Grace Griesbach
 National Director of Clinical Research
 Centre for Neuroskills
 United States of America



Prof Edward D. Hall
 Professor of Anatomy &
 Neurobiology, Neurosurgery,
 Neurology & Physical Medicine &
 Rehabilitation,
 University of Kentucky, College of Medicine
 United States of America



Mr Adel Helmy
 University Lecturer
 University of Cambridge /
 Princess Alexandra Hospital
 United Kingdom/ Australia



Prof Lars Hillered
 Professor, Senior Consultant
 Division of Neurosurgery,
 Uppsala University Hospital,
 Sweden



Prof Peter Hutchinson
 Professor of Neurosurgery
 University of Cambridge
 United Kingdom



Prof Barry Jordan
 Assistant Medical Director
 Burke Rehabilitation Hospital
 United States of America



Prof Patrick Kochanek
 Director, Safar Center for
 Resuscitation Research and
 Vice Chair, Critical Care
 Medicine
 University of Pittsburgh School
 of Medicine
 United States of America



Prof Peter Le Roux
 Co-Director of the Brain and Spine
 Center at Lankenau Medical Center
 in Wynnewood
 Professor of Neurosurgery in the
 Sidney Kimmel Medical College,
 Thomas Jefferson University
 United States of America



Prof Andrew Maas
 Professor & Chairman
 Department of Neurosurgery
 University Hospital of Antwerp
 and University of Antwerp
 Belgium



Prof Takeshi Maeda
 Associate Professor
 Departments of Neurological
 Surgery and Anesthesiology,
 Nihon University School of Medicine
 Japan



Prof David Krishna Menon
Head of Department of Anaesthesia
University of Cambridge
United Kingdom



Dr Virginia Newcombe
Academy of Medical Sciences /
Health Foundation Clinician
Scientist Fellow
University Division of Anaesthesia,
Cambridge University,
United Kingdom



Prof Jose Pineda
Associate Professor
Washington University School
of Medicine
United States of America



Prof John Povlishock
Professor and Chair, Department
of Anatomy and Neurobiology
Virginia Commonwealth University
School of Medicine
United States of America



Prof Mayumi Prins
Professor
UCLA Department of Neurosurgery
United States of America



Dr Sujoy Sanyal
Senior Consultant Neurosurgeon
Rabindranath Tagore Hospital
India



Prof Jan Schwab
Professor of Neurology and
Neurosciences
The Ohio State University -
Wexner Medical Center
United States of America



Prof Esther Shohami
Professor Emeritus
Hebrew University of Jerusalem
Israel



Prof William Stewart
Consultant Neuropathologist
Queen Elizabeth University Hospital
Scotland



Prof Charles Tator
Professor of Neurosurgery
University of Toronto
Canada



Prof Robert Vink
Pro Vice Chancellor: Health Sciences
University of South Australia
Australia



Dr David Welsh
Consultant Neurosurgeon
Vincent Pallotti Hospital
South Africa



Dr Elisa Zanier
Unit of Cell therapy and Acute Brain Injury,
Head Institute of Pharmacological
Research Mario Negri (IRFMN),
Italy

Authors List - Poster Presentations

Abstracts can be downloaded from the website in pdf format - www.ints2016.com/index.php/programme/abstracts

Poster presenters are requested to be available at their posters to do a short presentation of approximately 3 minutes to a group of delegates and representatives of the scientific programme committee. There is a possibility that two groups might visit your poster during the session.

| ID | First name | Surname | Title of abstract |
|-----|-------------|------------|--|
| 182 | Martin | Bolcha | Decompressive Craniectomy And A Role Of A Brain Metabolism Monitoring |
| 104 | Kyoung Suok | Cho | Comparison Of Early And Late Decompression For Cervical Spinal Cord Injury |
| 45 | Subir | Dey | To Study The Acute Phase Serum Biomarkers In Patients With Mild Traumatic Brain Injury (mTBI) And Correlate With Short Term Cognitive Deficits. |
| 34 | Valentina | Di Pietro | Micrnas As Novel Biomarkers In Mild And Severe Traumatic Brain Injury presented by Lisa Hill |
| 131 | Basil | Enicker | Demographic Profile Of Traumatic Brain Injury Due To Inter-personal Violence In The Province Of Kwazulu-natal, South Africa |
| 215 | Erzsébet | Ezer | A fallen elderly patient with coagulopathy – a new dominant type of severe traumatic brain injury? (Analysis of the “Pécs severe head injury database”.) |
| 207 | Scott | Ferguson | Age And Gender Effects In The Acute Response To Repetitive Mild Tbi In Htau Transgenic Mice |
| 160 | Se-hoon | Kim | Usefulness Of Expandable Cage For Vertebral Body Reconstruction In Trauma-related Unstable Thoracolumbar Spine Fractures Via Single-stage Posterior Approach: Surgical Results Of 30 Patients |
| 162 | Se-hoon | Kim | Effectiveness Of The Titanium Expandable Cages For Patients With Pathologic Thoracolumbar Spine Fracture |
| 71 | Xiang | Mao | Saikosaponin A Protects The Brain After Controlled Cortical Impact By Inhibiting The Mapk Pathway In Rats |
| 55 | Victoria | Mccutcheon | A Two-tier Model Of Traumatic Brain Injury In Zebrafish Designed For High-throughput Drug Evaluation |
| 180 | Cezar | Mizrahi | Evacuation Of Chronic Subdural Hematoma In Nonagenarians And Centurions: A 10-year Single Institution Experience. |
| 184 | Cezar | Mizrahi | Cranial Injuries Caused By Rubber Bullets |
| 30 | Junzo | Nakao | The Study Of The Severity Factor Of Acute Subdural Hematoma Of Elderly People With Antithrombotic Treatment Including Noveloralanticoagulants (NOAC). |
| 139 | Marie | Onakomaiya | Multi-Tasking in the Computer Assisted Rehabilitation Environment (CAREN) Distinguishes Service Members with Mild Traumatic Brain Injury Alone from those with Comorbid Post-Traumatic Stress Disorder |
| 19 | Rahul | Raj | Intensive Care Unit Volume And Mortality Of Patients With Traumatic Brain Injury |
| 197 | Florence | Reith | The Reliability Of The Glasgow Coma Scale: A Systematic Review |
| 209 | Rohit | Sarda | Evaluation Of Bacopa Monneira's Effect On New Born Rat's Brain Derived Neuronal Stem Cells - A Preliminary In-vitro Feasibility Study Assessing A Promising Agent For Nervous Tissue Repair. |
| 12 | Nuno | Silva | A Poly-pharmacotherapy Approach To Repair The Injured Spinal Cord: Is It The Whole Greater Than The Sum Of Its Parts? |
| 74 | Mattias | Skold | Ventral Root Avulsion And Replantation - Description Of Different Gene Expression Patterns In Acute And Delayed Replantation. |
| 86 | Xin Lin | Tan | Worse Outcomes After Experimental Tbi In Mutant Tdp-43 Mice |
| 208 | Toby | Thomas | The Incidence Of Post-traumatic Epilepsy Following Traumatic Brain Injury: Experience Of A Major Trauma Centre. |
| 123 | Arnold | Toth | Microbleeds May Expand Acutely After Traumatic Brain Injury |

Tuesday 2 February 2016 - 11h40 - 13h00

| | | | |
|-----|----------------|-------------------|--|
| 155 | Hadie | Adams | Is There A Potential Use For Multimodality Correlative Indices As Prognostic Indicators In Severe Traumatic Brain Injury Patients? |
| 124 | Corina | Bondi | Evaluation Of Executive Function Impairments After Experimental Frontal Traumatic Brain Injury |
| 116 | Helen | Bramlett | Effects Of Posttraumatic Hypothermia On Microglia/macrophage Phenotypes After Moderate Fluid Percussion Brain Injury In Rats |
| 204 | Paul | Brennan | A Gcs And Pupils Prognostic Index |
| 188 | Carlos | Candedo | Characteristics Of External Ventricular Drainage Parameters In Severe Tbi Versus Non-tbi Patients |
| 101 | Kyoung Suok | Cho | Clinical And Radiographic Results Of Unilateral Transpedicular Balloon Kyphoplasty For The Treatment Of Osteoporotic Vertebral Compression Fractures |
| 115 | Fredrik | Clausen | Engulfing Astrocytes - A Link Between Tbi And Alzheimer's Disease? |
| 16 | Abdalahman | Gamil | Resuscitation Of Traumatic Brain Injured Sudanese Patients |
| 31 | Mattias | Gunter | Neuronal Vulnerability To Oxidative Stress Is Affected By Genetic Polymorphism And Related To Susceptibility To Inflammation In The Central Nervous System |
| 119 | Holly | Hinson | Early Fever Is Associated With Inflammation After TBI |
| 21 | Michael | Hoffer | Tracking Neurosensory Symptoms Of Mtbi Over Time |
| 56 | Alexander | Kiderman | Assessment Of Oculomotor, Vestibular, And Reaction Time Responses Following A Concussive Event |
| 118 | Lars-owe | Koskinen | An Internal Severe Neuro-trauma And Its Clinical Manifestation |
| 94 | Weiping | Li | "Cytoskeleton Protein Carbonylation Contributes To Axonal Injury Following Oxidative Stress presented by Dr Yong-Zhong Gao" |
| 14 | Mohammad | Maleki | Inter-Hemispheric Subdural Hematoma (IHSDH) |
| 70 | Xiang | Mao | Procyanidins Protects Against Oxidative Damage And Cognitive Deficits After Traumatic Brain Injury |
| 69 | Xiang | Mao | Decompressive Craniectomy For Severe Traumatic Brain Injury Patients With Fixed Dilated Pupils |
| 193 | Nyota | Masumbuko-Kahamba | Neurogenic Differentiation Of Human Dental Pulp Stem Cells |
| 166 | Andile Lungani | Mbatha | Traumatic Brain Injury Following Community Assault: A Neurosurgical Perspective |
| 78 | Stefania | Mondello | Multimodal Monitoring And Outcome Prediction After Traumatic Brain Injury Using Support Vector Machines |
| 217 | Wilheminah | Makhambeni | Gate crush cranial injuries in children |
| 11 | Magloire Nkosi | Mpembi | Anxiety, Depression And Cognition Among Medular Injury Patient In Kinshasa (dr Congo). A Cross Sectional Study |
| 80 | Haruo | Nakayama | Sports-related Head Injury Seen From Big Data Of Internet Search Engines In Japan |
| 106 | Ryan | O'Hare Doig | Specific Combinations Of Ca2+ Channel Inhibitors Reduce Excessive Ca2+ Influx And Increase Neuronal And Glial Cell Viability In Vitro |
| 152 | Hima | Pendharkar | Non Accidental Injury: Retrospective Imaging Analysis Demonstrates The Entity To Be Under Recognised |
| 98 | Stephanie | Plummer | Enhanced Heparan Binding Affinity Of APP96-110 Results In Increased Neuroprotection Following Traumatic Brain Injury presented by Frances Corrigan |
| 57 | Rachel | Rowe | Pre-clinical Systematic Approach Identifies Novel Tnf Receptor-1 Inhibitors As Potential Therapeutic Candidates For Traumatic Brain Injury |
| 216 | Sinead | Ross | "Pathophysiology of paediatric traumatic brain injury: A microdialysis pilot study" |
| 76 | Suleyman | Sener | Neuropsychological outcome after severe TBI correlated to successive DTI changes. |
| 161 | Heustein | Sy | Systematic Review For Judicious Categorized Venous Thromboembolism Prophylaxis In Traumatic Brain Injury |
| 113 | Thomas | Van Essen | Systematic Review And Meta-analysis Of The Surgical Outcome Of Traumatic Acute Subdural Hematoma |
| 149 | Adam | Young | Correlating Optic Nerve Sheath Diameter With Initial Intracranial Pressure In Paediatric Traumatic Brain Injury |
| 205 | Salko | Zahirovic | Diffuse Axonal Injury In Bosnia And Herzegovina - A Single Center Experience |
| 154 | Hadie | Adams | Distinct Age-related Differences In Temporal Evolution Of Intracranial Pressure And Cerebrovascular Reactivity |

Wednesday 3 February 2016 - 11h15 - 13h00

| | | | |
|-----|-------------|------------|--|
| 87 | Christopher | Beynon | After Severe Traumatic Brain Injury. Prothrombin Complex Concentrate For Anticoagulation Reversal In Traumatic Intracranial Haemorrhage presented by Andreas Unterberg |
| 33 | Jonas | Blixt | Erythropoietin Affects The Dynamic Brain Edema Response Following Experimental Traumatic Brain Injury |
| 126 | David | Cederberg | Anti-secretory Factor Reduces Icp In Severe Tbi - Preliminary Report |
| 130 | David | Cederberg | Anti Secretory Factor Treatment For Cerebral Edema - 4 Case Reports. |
| 47 | Fredrik | Clausen | A Comparison Between 1 Mda And 100 Kda Microdialysis Probes On Cerebral Chemokine And Cytokine Capture After Experimental Traumatic Brain Injury |
| 109 | Fredrik | Clausen | A Novel Treatment Concept For Traumatic Brain Injury: Intranasal Administration Of The Anti-secretory Factor Peptide Af-16 Improved Behavioral Outcome After Midline Fluid Percussion In The Rat |
| 195 | Daiana | De Blasio | Pharmacological Inhibition of Mannose Binding Lectin Ameliorates Neurobehavioral Dysfunction Following Experimenta TBI presented by Elisa Zanier |
| 95 | Sarah | Hellewell | Assessing The Clinical Utility And Theragnostic Potentials Of Biomarkers Of Traumatic Brain Injury: Findings From The Epo-tbi Clinical Trial |
| 100 | Sarah | Hellewell | The Relationship Between Cognitive Performance, Stress And Hormonal Changes In Canadian Forces Troops Before and During Deployment |
| 62 | Adel | Helmy | Recombinant Human Interleukin-1 Receptor Antagonist Promotes M1 Microglia Associated Cytokines And Chemokines Following Human Traumatic Brain Injury |
| 129 | Ann | Hoffman | Diffuse Traumatic Brain Injury Enhances Fear Learning And Alters Processing Within The Auditory Fear Circuit |
| 79 | Xian-jian | Huang | MicroRNAs Expression Profiles In The Hippocampus Following Traumatic Brain Injury In Adult Rats |
| 108 | Se-Hyuk | Kim | Continuous Renal Replacement Therapy For Acute Renal Failure In The Patients With Traumatic Brain Injury |
| 135 | Anthony E. | Kline | Traumatic Brain Injury-induced Functional Deficits Are Not Exacerbated By Daily Administration Of Lorazepam |
| 36 | Jeong Taik | Kwon | Analysis Of The Outcomes And Recurrence With Three Surgical Techniques For Chronic Subdural Hematoma |
| 215 | Sang Kook | Lee | Epidemiologic Review of Korean Neuro Trauma Data Bank System (KNTDBS) in recent 5 years: 2698 Cases of Traumatic Brain Injury |
| 51 | Alexander | Lilja | Experience with the hinged craniotomy technique in refractory intracranial hypertension |
| 143 | Nilesh | Mohan | Computed Tomography Marshall Score As A Predictor Of Outcome In Severe Traumatic Brain Injury Patients At The National Referral Hospital In Kenya |
| 10 | Ha | Nguyen | Fenestration Of Bone Flap During Decompressive Craniotomy For Subdural Hematoma |
| 185 | Joseph | Ojo | Exploring The Molecular Overlap In The Brain And Plasma Of Repetitive MTBI and AD Mouse Models Using Proteomics Technology. |
| 186 | Magnus | Olivecrona | The Stockholm Score for the Prediction of Outcome in Persons with Severe Traumatic Brain Injury Treated with an ICP-targeted Therapy |
| 107 | Joanna | Simpson | Hyponatraemic and hypo-osmotic states on admission are associated with increased contusion and oedema measured on MR imaging. |
| 39 | Kazutaka | Sugimoto | Serum Biomarkers For Detecting Structural Disorder In Mild Traumatic Brain Injury |
| 176 | Hee-Jin | Yang | Traumatic Subarachnoid Hemorrhage: Intracranial Distribution And Association With Other Cranial Injuries |
| 117 | Namkyu | You | Facial Fracture And Traumatic Brain Injury: Correlation Between Face And Brain Injuries |

Thursday 4 February 2016 - 11h25 - 13h00