23rd International Conference on Neurology & Neurophysiology
& 24th International Conference on Neurosurgery and Neuroscience
March 18-19, 2019 | Edinburgh, Scotland
DAY-1
March 18, 2019
Meeting Hall: Greyfriars Suite

08:30-09:00 Registrations

Opening Ceremony 09:00-09:30

KEYNOTE FORUM

09:30-09:40 Introduction

09:40-10:20

Title: Neuroprotective therapy both for acute ischemic stroke and ALS
Koji Abe, Okayama University, Japan

Title: Management of traumatic unstable dorsolumbar spine injuries with transpedicular screw and rod fixation: Our institutional experiences of 59 cases
Tofael Hossain Bhuiyan, Rangpur Medical College Hospital, Bangladesh

GROUP PHOTO

Networking & Refreshment Break 11:00-11:20 @ Dunedin Bar Area

Sessions: Neurology | Neurointensive Care Unit | Neurorehabilitation | Neurophysiology | Neurosurgery | Case Reports on Neurology & Neurosurgery | Skull base Neurosurgery

Chair: Koji Abe, Okayama University, Japan
Co-Chair: Pedro Góes, Paulo Niemeyer State Brain Institute, Brazil

INTRODUCTION

11:20-11:50

Title: Advanced and emerging concepts in neuroprotection: Unlocking the secrets of nerve cell resilience and recovery
David J. Banayan, Rush University Medical Center, USA

11:50-12:20

Title: A challenge in managing posterior fossa cyst with hydrocephalus: A case report
Jacintha Vikeneswary Francis, Hospital Sultanah Nur Zahirah, Malaysia

Title: Excessive glutamate release and undelying synaptic mechanisms in a mouse model of amyotrophic lateral sclerosis
Tiziana Bonifacino, University of Genoa, Italy

12:20-12:50

Title: Does the speed of reduction in peripheral cortisol levels correlates with long term post hypophysectomy Cushing disease control?
Samih Hassan, Queen Elizabeth University Hospital, UK

Lunch Break 13:20-14:20 @ Westview Restaurant
14:20-14:50  
**Title:** A study on functional interactions between the central nervous system using a decerebrated and arterially perfused *in situ* preparation  
Itaru Yazawa, Hoshi University, Japan

14:50-15:20  
**Title:** A rare case of ossification of ligamentum flavum presenting as dorsal myelopathy in achondroplasia  
Tamajit Chakraborty, Sir Ganga Ram Hospital, India

15:20-15:50  
**Title:** Neuroprotective therapy with antioxidative drugs and supplements  
Koji Abe, Okayama University, Japan

15:50-16:20  
**Title:** The keyhole concept for the management of ruptured and unruptured aneurysms  
Pedro Góes, Paulo Niemeyer State Brain Institute, Brazil

**Networking & Refreshment Break 16:20-16:40 @ Dunedin Bar Area**

16:40-17:10  
**Title:** Complex clinical and functional study of children with idiopathic tip-toe walking  
Ekaterina Drozhevskaiia, The Turner Scientific Research Institute for Children's Orthopedics, Russia

17:10-17:40  
**Title:** Cervical perimedullary AVF with feeding artery aneurysm - endovascular treatment with review of literature  
Rahul Srinivasan, Medical Trust Hospital, India

17:40-18:10  
**Title:** Endoscopic endonasal transsphenoidal approach in patients with Rathke's cleft cyst  
Guive Sharifi, Shahid Beheshti University of Medical Sciences, Iran

**Panel Discussion**

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**DAY-2**

March 19, 2019  
Meeting Hall: Greyfriars Suite

**KEYNOTE FORUM**

09:40-10:20  
**Title:** Agonists and antagonists of specific serotonergic receptors in the treatment of cognitive, depressive and psychotic symptoms in Alzheimer’s disease  
Felix-Martin Werner, Euro Akademie Pößneck, Germany

10:20-11:00  
**Title:** Activation of K+–Cl––cotransporter KCC2 by inhibiting the WNK-SPAK kinase signalling as a novel therapeutic strategy for epilepsy  
Jinwei Zhang, University of Exeter, UK

**Networking & Refreshment Break 11:00-11:20 @ Dunedin Bar Area**

**Sessions:** Clinical Neurophysiology | Neuronal functions and disorders | Neurorehabilitation | Neuroimaging | Spinal Surgery | Neurosurgery | Brain Tumour
Chair: Felix-Martin Werner, Euro Akademie Pößneck, Germany
Co-Chair: Tamajit Chakraborty, Sir Ganga Ram Hospital, India

INTRODUCTION

11:20-11:50
Title: Neuronal calcium dyshomeostasis as a crucial process in neuropathologies
Ludmila Zylinska, Medical University of Lodz, Poland

11:50-12:20
Title: Robot-aided spinal surgery: Lessons learned from our first 70 patients
Benjamin Fleming, The Royal Melbourne Hospital, Australia

12:20-12:50
Title: The role of necrosis in the worse prognosis of meningiomas
Pedro Góes, Paulo Niemeyer State Brain Institute, Brazil

Lunch Break 12:50-13:50 @ Westview Restaurant

POSTER PRESENTATIONS 13:50-14:30 @ DUNEDIN BAR AREA

Poster Judge: Felix-Martin Werner, Euro Akademie Pößneck, Germany

NNC-01
Title: GABA-shunt enzymes activity is modulated by phytochemicals under normal and disturbed intracellular calcium homeostasis
Elzbieta Rebas, Medical University of Lodz, Poland

NNC-02
Title: Traumatic brain injury, hyperosmolar therapy and dysnatremia: A case report and brief review of literature
Francesca Morelli, Erasmus University Medical Center, The Netherlands

NNC-03
Title: Transcranial direct current stimulation leads to enhancement in laparoscopic technical skills training: A randomized controlled trial
Hannah Palmer, Duke University, USA

NNC-04
Title: Cerebral venous thrombosis presented as space occupying lesion mimicking brain tumour: A case report
Nurul Ashikin Binti Hamzah, Hospital Sultanah Nur Zahirah, Malaysia

NNC-05
Title: Calcium dyshomeostasis modifies CCL5 response in differentiated PC12 cells
Ludmila Zylinska, Medical University of Lodz, Poland

NNC-06
Title: Restoring adaptive multisensory integration for postural control following long-term auditory deprivation
Marie-Soleil Houde, Université de Montréal, Canada

NNC-07
Title: Features of maladaptive reorganization of canonical circuits underlying cortical malformation induced sensory and cognitive deficits
Qian-Quan Sun, University of Wyoming, USA

SPEAKER SESSION CONTINUES

14:30-15:00
Title: Challenges to human intelligence in a future with artificial intelligence
Jaideep Jesson Rayapudi, Pondicherry Institute of Medical Sciences, India
15:00-15:30
Title: CNS involvement in IgG4 related disease, a new diagnostic challenge for neuroscientists
Samih Hassan, Queen Elizabeth University Hospital, UK

15:30-16:00
Title: Rethinking the impossible: Aligning current research, rehabilitation therapies & recovery expectations to create a new post acute standard of care for patients with severe spinal cord injury
Rebecca B Baker, Utilize Health, USA

16:00-16:20 Networking & Refreshment Break @ Dunedin Bar Area

16:20-16:50
Title: Review on omega fatty acids and neurophysiology
Dharitri Parmar, Government Medical College, India

16:50-17:20
Title: Update of the neural networks involved in generalized epilepsy
Felix-Martin Werner, Euro Akademie Pößneck, Germany

17:20-17:50
Title: Evaluation and efficacy of optic sheath measurement by sonography means to detect raised intracranial pressure
Rahul Srinivasan, Medical Trust Hospital, India

E-POSTER PRESENTATIONS

Panel Discussion

Awards & Closing Ceremony