

Scientific Program

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

10:20-11:00 **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

12:20-12:50 **Title: Excessive glutamate release and undelying synaptic mechanisms in a mouse model of amyotrophic lateral sclerosis**
Tiziana Bonifacino, University of Genoa, Italy

12:50-13:20 **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

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- 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 Drozhevskaja, 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, Kashan 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

Networking & Refreshment Break 16:00-16:20@ 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

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Awards & Closing Ceremony