Scientific Program

International Conference on

Neurological Disorders & Stroke and Neurooncology

April 24-25, 2017   Dubai, UAE
### Day 1  April 24, 2017

**Salon B**

**09:55-10:00  Introduction**

**10:00-10:45  Title: New Technologies: A new era for Neurorehabilitation**
*Sandro Iannaccone*, San Raffaele hospital, Milan Italy

**10:45-11:30  Title: Effect of Positional Release Therapy in Reducing Somatic Symptoms at Secondary School Setting**
*Josh Underwood*, Vermont Academy, USA

*Networking & Refreshment Break: 11:30-11:50*

**11:50-12:40  Title: Clinical fMRI: From clinic to beyond**
*Arshad Zaman*, University of Leeds, United Kingdom

**Sessions:**
- Neurological Disorders, Stroke and its Management
- Neuro Degeneration & Multiple Sclerosis
- Cerebrovascular Disorders
- Spine & Spinal Disorders

**Session Chair:** *Josh Underwood*, Vermont Academy, USA

*Session Introduction*

**12:40-13:05  Title: Structural Neuroplastic Change and Behavioral Motor Recovery after transcranial Direct Current Stimulation (tDCS) in Patient with Stroke: A Case Study**
*Turki Abualat*, Imam Abdulrahman bin Faisal University, Dammam, SA

*Lunch Break: 13:05-13:50*

**13:50-14:10  Title: Could Ambulatory Blood Pressure Monitoring Be a Routine Investigation for Patients with Mild Cognitive Impairment?**
*Mohamed Hamdy Ibrahim*, GMU University, United Arab Emirates

**14:10-14:30  Title: Qualitative efficacy of the herbal medication of Unani (Indo-Greek) origins in treating patient suffering from acute ischemic stroke with complete loss of speech**
*Zulviqar Anwer*, Physician & Emergency Care Provider, India

**14:30-14:55  Title: Parkinson disease-induced upregulation of apoptotic mediators could be attenuated in the skeletal muscle following chronic exercise training**
*Muhammed Al-Jarrah*, Jordan University of Science and Technology

**14:55-15:20  Title: Can we treat what we can’t see? Neuroimaging and mental health**
*Arshad Zaman*, University of Leeds, Leeds, W. Yorkshire, United Kingdom

**Workshop**

**15:20-16:20  Title: Autism Spectrum Disorder from Valproic Acid**
*Sharmila Alam*, University of Calgary

*Networking & Refreshment Break: 16:20-16:35*

### Day 2  April 25, 2017

**Salon B**

**Keynote Forum**

**10:00-10:45  Title: Structural and functional MRI correlates of Post Stroke Depression**
*Wai Kwong Tang*, Chinese University of Hong Kong
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45-11:30</td>
<td>Title: Imaging of ischemic Stroke</td>
<td>Rola Aatif Mahmood, Slamaniya Medicals, Bahrain</td>
</tr>
<tr>
<td>11:45-12:30</td>
<td>Title: Temodex – a novel effective local intraoperative chemotherapy treatment for patients with neuroepithelial brain tumors</td>
<td>Iulia Karlsson, Double Bond Pharmaceutical AB, Sweden</td>
</tr>
<tr>
<td>12:30-12:55</td>
<td>Title: Real Time Intraoperative Gliomas Profiling – Preliminary Results on a Series of Patients Treated Using Intraoperative 3D US and iKnife</td>
<td>Giuluniichini, Imperial College NHS Trust, Imperial College of London, UK</td>
</tr>
<tr>
<td>13:40-14:05</td>
<td>Title: Paediatric clinical fMRI: Pushing the limits</td>
<td>Arshad Zaman, University of Leeds, Leeds, W. Yorkshire, United Kingdom</td>
</tr>
<tr>
<td>14:05-14:30</td>
<td>Title: Imaging of Intracerebral hemorrhage</td>
<td>Rola Aatif Mahmood, Slamaniya Medicals, Bahrain</td>
</tr>
<tr>
<td>14:30-14:55</td>
<td>Title: Creatine monohydrate supplementation for 10 weeks has a potential to improve learning and memory in female albino mice following neonatal hypoxia ischemia encephalopathy</td>
<td>Furhan Iqbal, Bahauddin Zakariya University Pakistan</td>
</tr>
<tr>
<td>14:55-15:20</td>
<td>Title: Stroke burden and associated depression among caregivers in a tertiary hospital</td>
<td>Haifa Al Issa, King Saud bin Abdulaziz University for Health Sciences, Saudi Arabia</td>
</tr>
<tr>
<td>15:20-15:45</td>
<td>Title: Stroke Rehabilitation</td>
<td>Raquel Neves, Amana Healthcare, UAE</td>
</tr>
<tr>
<td>15:45-16:05</td>
<td>Title: Early aggressive extended cardiac monitoring after acute ischemic stroke for PAF detection: Time to review strategies and guidelines</td>
<td>Maneesh Bhargava, University of Minnesota, USA</td>
</tr>
<tr>
<td>16:05-16:30</td>
<td>Title: The Association of Neutrophil-Lymphocyte Ratio with the 30-day Mortality among Patients with Acute Ischemic Stroke</td>
<td>Euodia Guinmapang, Ospital ng Makati, Philippines</td>
</tr>
<tr>
<td>16:30-16:45</td>
<td>Networking &amp; Refreshment Break</td>
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<td>Posters</td>
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<tr>
<td></td>
<td>NSN-001 Title: Mechanical thrombectomy beyond standard therapeutic time window</td>
<td>David Cerník, Masaryk Hospital, Ústí nad Labem, Czech Republic</td>
</tr>
<tr>
<td></td>
<td>NSN-002 Title: Bilateral Agenesis of Internal carotid artery: A case report</td>
<td>Rola Aatif Mahmood, Department of Radiology, Salamaniya Medical Complex, Bahrain</td>
</tr>
<tr>
<td></td>
<td>NSN-003 Title: Non-pharmacological treatment of chronic pain: A multimodal approach</td>
<td>Federica Alemanno / Elise Houdayer, San Raffaele Hospital, Italy</td>
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</tbody>
</table>
Scientific Program

2nd International Conference on
Neurological Disorders and Stroke
April 28-30, 2016  Dubai, UAE

Conference Series llc LTD
47 Churchfield Road, London, W3 6AY
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# Day 1
**April 28, 2016**

## Grand Hall A

### Opening Ceremony

- **09:30-10:00**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>10:00-10:40</td>
<td><strong>Decompressive Craniectomy for Malignant Middle Cerebral Artery Infarction:</strong> Preliminary Experience of a Tertiary Care Center from Saudi Arabia and Current Recommendations by Saleh Baeesa, King Abdulaziz University, Saudi Arabia</td>
</tr>
<tr>
<td>11:00-11:40</td>
<td>Dehydration exacerbates cerebral microvascular responses to hyperthermia by Mohamad Fayez Al Homsi, University of Sharjah, UAE</td>
</tr>
<tr>
<td>11:40-12:10</td>
<td>Cardio embolic stroke: A review by Shireen Qureshi, Johns Hopkins Aramco Healthcare, Saudi Arabia</td>
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### Session on: Cerebrovascular Disorders and Stroke

**Session Chair: Saleh Baeesa**, King Abdulaziz University, Saudi Arabia

<table>
<thead>
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<tbody>
<tr>
<td>12:10-12:40</td>
<td><strong>Outcome of Intracranial Arterial Stenting of Symptomatic Atherosclerotic Disease:</strong> A Single Center Experience from Saudi Arabia by Saleh Baeesa, King Abdulaziz University, Saudi Arabia</td>
</tr>
<tr>
<td>12:40-13:10</td>
<td>HIV Infection as an Independent Risk Factor for Ischemic Stroke in a Portuguese Metropolitan Population by Antonio Pais de Lacerda, Hospital de Santa Maria, Portugal</td>
</tr>
</tbody>
</table>

### Lunch Break 13:10-13:55 @ Restaurant 971

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>13:55-14:25</td>
<td><strong>Endovascular Management for Tandem Occlusions of Anterior Circulation:</strong> Systematic Analysis of 99 Patients from Literature by Ibrahim Alnaami, King Khalid University, Saudi Arabia</td>
</tr>
<tr>
<td>14:25-14:55</td>
<td><strong>Post Stroke Depression</strong> by Wai Kwang Tang, The Chinese University of Hong Kong, Hong Kong</td>
</tr>
<tr>
<td>14:55-15:25</td>
<td>Using a ligand-directed thrombotic agent in an animal model of Arteriovenous Malformation (AVM) to induce vascular occlusion by Hari Priya Bandi, Macquarie University, Australia</td>
</tr>
<tr>
<td>15:25-15:55</td>
<td><strong>Effect of dietary ginger and turmeric rhizomes on ectonucleotidases, adenosine deaminase and acetylcholinesterase activities in synaptosomes from the cerebral cortex of hypertensive rats</strong> by Ayodele Jacob Akinyemi, Afe Babalola University Ado-Ekiti, Nigeria</td>
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</table>

### Session on: Therapeutic Approaches for Neurological Disorders & Stroke

**Session Chair: Mohammed Mansi**, University of Minnesota, USA

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>16:15-16:45</td>
<td>The potency of Adeno-Associate Viruses in Direct Reprogramming of Astrocytes to Neurons in Stroke Models Across Three Experimental Species: Are We On The Right Path? by Mohammed Mansi, University of Minnesota, USA</td>
</tr>
<tr>
<td>16:45-17:15</td>
<td>Correction of structural changes in stroke Ischemic Tissues in the Central Nervous System (CNS) by trophinotropine &quot;Cerebral&quot; by Oleksandr Makarenko, Taras Shevchenko National University of Kyiv, Ukraine</td>
</tr>
</tbody>
</table>
17:15-17:45 The Superficial White Matter in Alzheimer's Disease
Margherita Di Paola, LUMSA University, Italy

17:45-18:15 Functional magnetic resonance for assessing the effectiveness of surgical revascularization after stroke
Sofya Markdorf, Institute International Tomography Center of the Russian Academy of Sciences, Russian Federation

Panel Discussion

Day 2     April 29, 2016
Grand Hall A

Keynote Forum
09:30-10:15 Toward an Arabic Scales of Cognitive and Communicative Ability for Neuro-rehabilitation
Yusuf Al-bustanji
United Arab Emirate University, UAE

Networking & Refreshment Break 10:15-10:30 @ Foyer

Special Session on Amyotrophe Lateralsklerose (ALS)
Sponsored by BrünstlMedizin Neuronanomed Zentrum

10:30-10:40 Introductory session
Machtoub, Representative BrünstlMedizin, Germany

10:45-11:15 The clinical picture and concept of ALS in 2016
Albert Ludolph, RKU -Universitäts-Rehabilitationskliniken, Germany

11:20-11:50 Metabolic and cognitive patterns in Amyotrophic Lateral Sclerosis
Marco Pagani, Institute of Cognitive Sciences and Technologies, Italy

11:55-12:25 Nanomedicine in the diagnosis and therapy of ALS
Lina Machtoub, Universitätsklinik für Radiologie, BrünstlMedizin, Germany

12:30-13:00 Long term care of ALS patients
Ayman Al Boudi, Rashid Hospital, UAE

Lunch Break 13:00-13:45 @ Restaurant 971

Session on: Stroke Rehabilitation and Recovery
Session Chair: Yusuf Al-bustanji, United Arab Emirate University, UAE
Session Co-Chair: Antonio Incisa della Rocchetta, Wellington Hospital, UK

Session Introduction

13:45-14:15 Prospective pilot randomised case controlled study on use of optokinetic chart stimulation for recovery of completely hemiplegic acute strokes
Benjamin Chitambira, East Kent Hospitals University NHS Foundation Trust, UK

14:15-14:45 Primary motor cortex and “true” motor recovery in chronic stroke
Ali Bani-Ahmed, University of Tabuk, Saudi Arabia

14:45-15:15 Prolonged disorders of consciousness- the assessment and therapy pathway
Antonio Incisa della Rocchetta, Wellington Hospital Acute Neurological Rehabilitation Unit, UK

15:15-15:45 Decompressive Hemicraniectomy for Malignant Middle Cerebral Artery Stroke: A Case Series of a Single Center in Saudi Arabia
Saleh Baeesa, King Abdulaziz University, Saudi Arabia

15:45-16:15 Using advanced technology to maximise patient outcomes in Stroke Rehabilitation
Tamsin Reed, Wellington Hospital Acute Neurological Rehabilitation Unit, UK

Networking & Refreshment Break 16:15-16:45 @ Foyer

16:45-17:15 Agrammatism in Arabic Broca's aphasia
Yusuf Al-bustanji, United Arab Emirate University, UAE

17:15-17:45 Using advanced technology to maximise patient outcomes in Stroke Rehabilitation from a Speech and language therapy perspective
Kathryn Walker, Wellington Hospital Acute Neurological Rehabilitation Unit, UK

17:45-18:15 Practices, Attitude and Perspectives on Decompressive HemicraniectomyA survey of Neurologists, Neurosurgeons, and intensivists in Saudi and the Gulf
Hosam Al-Jehani, Dammam University, Saudi Arabia

Poster Presentations 18:15-19:00 @ Foyer

P1 Effect of Diabetes on hippocampal gene expression
Jency Thomas, La Trobe University, Australia
P2  Difference in weight distribution according to upright standing methods in hemiplegic patients  
Shi-Uk Lee, Seoul National University, Korea

P3  The effectiveness of a self-management program in preventing complications, promoting self-efficacy and health status in people with spinal cord injury  
Hsiao-Yu Chen, National Taichung University of Science and Technology, Taiwan

P4  Effect of Voluntary Running on Expression of Myokines in Brains of rats with Depression  
Magda A. Eldomiaty, Taibah University, Saudi Arabia

P5  Patterns of hospital admissions of Stroke Patients to Ibsen SINA teaching Hospital, Sirte Libya  
Mohammed Sohail Abar, Avalon University School of Medicine, The Netherlands Antilles

P6  Rehabilitation after Traumatic Brain Injury – My First step…  
Raquel Neves, Amana Healthcare Medical and Rehabilitation Hospital, UAE

Day 3  April 30, 2016  
Grand Hall A

Keynote Forum

10:00-10:45  Multi-faceted stroke care  
Hosam Al-Jehani  
Dammam University, Saudi Arabia

11:10-11:40  Patient and Family education in Stroke Rehabilitation  
Robert Dorsett, Amana Healthcare, UAE

11:40-12:10  Role of Rehabilitation in Multiple Sclerosis  
Khalid Anwar, Amana Healthcare, UAE

12:10-12:30  Spasticity Management in a Sub-Acute and Chronic Care Setting in The UAE.  
Ruairi Ó Broin, Amana Healthcare, UAE

Lunch Break 12:30-13:10 @ Restaurant 971

Workshop on Completing the rehabilitation continuum in UAE: Enabling Community Care & Participation  
Margeaux Blignaut & Patricia Smith, Amana Healthcare Medical and Rehabilitation Hospital - Al Ain, UAE

Session on: Neurological and degenerative disorders  
Session on: Stroke and its Management  
Session Chair: Margherita Di Paola, LUMSA University, Italy

14:10-14:40  Morphological changes of the peripheral nerve of rats after damaging and pharmacological corrections by neuropeptide agents  
Oleksandr Makarenko, Taras Shevchenko National University of Kyiv, Ukraine

14:40-15:10  Endovascular and surgical treatment of neurovascular diseases, the cross roads  
Hosam Al-Jehani, Dammam University, Saudi Arabia

Networking & Refreshment Break:15:10-15:25 @ Foyer

Workshop on Advanced Homecare - Prothrombin Time (INR) Testing in a Home Setting  
Michael Redmond, Amana Healthcare Medical and Rehabilitation Hospital - Al Ain, UAE

Closing Ceremony

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This activity has been approved for 21.5 AMA PRA Category 1 Credit™.
Scientific Program

Proceedings of
Global Summit on Stroke
August 03-05, 2015   Birmingham, UK

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# Scientific Program

## Day 1  
**August 03, 2015**

**Hall 1**

### Keynote Forum

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<th>Time</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>10:30-11:10</td>
<td><strong>Howard Prentice</strong></td>
<td>Florida Atlantic University, USA</td>
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</tbody>
</table>

**Networking & Refreshment Break 11:10-11:30**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30-12:10</td>
<td><strong>Xin Wang</strong></td>
<td>Harvard Medical School, USA</td>
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</tbody>
</table>

### Session on: Treatment for Stroke

**Session Chair:** Naomi Josman, University of Haifa, Israel  
**Session Co-Chair:** Xin Wang, Harvard Medical School, USA

<table>
<thead>
<tr>
<th>Time</th>
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<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:10-12:40</td>
<td>Cerebral vascular signal transduction: A novel strategy to treat Stroke</td>
<td>Saema Ansar, Lund University, Sweden</td>
</tr>
<tr>
<td>12:40-13:10</td>
<td>Are there differences between Acute and Home-dwelling Stroke clients on their executive functions skills?</td>
<td>Naomi Josman, University of Haifa, Israel</td>
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</tbody>
</table>

**Session Introduction**

### Discussion and Group Photograph

**Lunch Break 13:20-14:20**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>14:20-14:50</td>
<td>Neuroprotective targeting of mitochondrial and ER stress pathways in rodent models of stroke</td>
<td>Howard Prentice, Florida Atlantic University, USA</td>
</tr>
<tr>
<td>14:50-15:20</td>
<td>Use of the novel optokinetic chart stimulation based OKCSIB protocol for upper limb recovery in dense acute strokes: Insights for future research from a case control series</td>
<td>Benjamin Chitambira, East Kent Hospitals University NHS Foundation Trust, UK</td>
</tr>
<tr>
<td>15:20-15:50</td>
<td>Identification of melatonin receptor 1A agonists as Neuroprotective agents in experimental models of Ischemic injury</td>
<td>Xin Wang, Harvard Medical School, USA</td>
</tr>
<tr>
<td>15:50-16:20</td>
<td>Disorders of glial neocortex homeostasis under reproduction of acute cerebro-vascular pathology in rats</td>
<td>Oleksandr Makarenko, University of Kyiv, Ukraine</td>
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**Networking & Refreshment Break 16:20-16:40**

### Panel Discussion

### Day 2  
**August 04, 2015**

**Hall 1**

### Keynote Forum

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>10:00-10:40</td>
<td><strong>Stefan Golaszewski</strong></td>
<td>Paracelsus Medical University Salzburg, Austria</td>
</tr>
<tr>
<td>10:40-11:10</td>
<td><strong>Saema Ansar</strong></td>
<td>Lund University, Sweden</td>
</tr>
</tbody>
</table>
Networking & Refreshment Break 11:10-11:30

Session on: Imaging and Diagnosis and Acute Stroke Management
Session Chair: Stefan Golaszewski, Paracelsus Medical University Salzburg, Austria
Session Co-Chair: Sikha Saha, University of Leeds, UK

11:30-12:00 Use of stroke model in pathophysiology and early diagnosis
- Sikha Saha, University of Leeds, UK
- Evaluation of the role of ischemia modified albumin as a new biochemical marker for differentiation between ischemic and hemorrhagic stroke

12:00-12:30 Functional improvement in stroke patients in the subacute stage after treatment with whole-hand electrical stimulation
- Nany Elgayar, Alexandria University, Egypt
- Monica Rincon, Universidad de La Sabana, Bogota, Colombia

12:30-13:00 The 10,000 fold effect of retrograde Neurotransmission, A new concept for stroke revival: Use of Intracarotid Sodium Nitroprusside
- Alok Sharma, Neuro Gen Brain & Spine Institute, India

Lunch Break: 13:00-14:00

Poster Presentations
Poster Judge: Howard Prentice, Florida Atlantic University, USA

P1 Pharmacotherapeutic efficiency of Mitochondrin (2) and Cerebral under experimental acute hemorrhagic stroke: influence on glial homeostasis of cerebral cortex of rats
- Oleksandr Makarenko, University of Kyiv, Ukraine

P2 Program of cardiac prevention and rehabilitation: Useful and necessary tool in the treatment of stroke
- Sabah Khan, University of Leeds, UK

Networking & Refreshment Break 15:45-16:15

Young Researcher Forum
16:15-16:45 Stroke and Neurosurgery: new insights into two unrecognized entities
- Bruno Lourenco Costa, University of Coimbra, Portugal

16:45-17:15 Cellular damage and changes in glutamate transporters in a murine model of ischemic stroke
- Sabah Khan, University of Leeds, UK

Day 3 August 05, 2015
Hall 1

Session on: Epidemiology of Stroke and Stroke riskfactors and their Impact
Session Chair: Ihor Huk, Medical University of Vienna, Austria
Session Co-Chair: Ying Li, Nanjing Medical University School of Public Health, China

10:00-10:30 Neutrophil Gelatinase-associated Lipocalin (NGAL) - Is it relevant for the characterisation of a vulnerable carotid plaque?
- Ihor Huk, Medical University of Vienna, Austria

10:30-11:00 Features of the collateral circulation in the vertebrobasilar system in the setting of the cervical spinal injury
- Mykola Salkov, Dnipropetrovsk Medical Academy, Ukraine

Networking & Refreshment Break 11:00-11:30

11:30-12:00 Effect of COC, hypertension, dyslipidemia and susceptibility on the risk of female stroke in China
- Ying Li, Nanjing Medical University School of Public Health, China

12:00-12:30 Case fatality of stroke in IRAN: a systematic review and Meta-analysis
- Yasaman Khailili, Iran University of Medical Sciences, Iran

12:30-13:00 Endothelial dysfunction, oxidative stress, and thrombo-embolism for Stroke in Sub-Saharan Africa
- B. Longo-Mbenza, Walter Sisulu University, South Africa

Panel Discussion
Lunch Break: 13:00-14:00
Closing Ceremony