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September 2022
Journal of Spine & Neurosurgery | Volume: 11 | ISSN: 2325-9701
Journal of Neurology and Clinical Neuroscience | Volume: 06
Nanotechnology Letters| | Volume: 07
Journal of Orthopaedics Trauma Surgery and Related Research | Volume: 17 | ISSN:1897-2276





Joint Event on

15th WORLD CONGRESS ON

SPINE & ORTHOPEDICS

14th INTERNATIONAL CONFERENCE ON

ALZHEIMER'S & NANOMEDICINE



Hosting Organization: Pulsus
35 Ruddlesway, Windsor, Berkshire, SL4 5SF | Ph: +44-203-769-1778 | +44-182-827-0013

Scientific Program

Registrations
08:30-08:45

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Opening Ceremony
08:45-09:00

Wednesday | September 21, 2022 | Day 1

Hall: Ariel

Keynote Forum

09:00 - 09:30

Title: The use of *Drosophila Melanogaster* to study the interactions between sleep and Neurodegenerative Diseases for pre-clinical testing

Jason R Gerstner | Washington State University | USA

09:30 - 10:00

Title: Safety and effectiveness of Posterior Cervical Stabilization System (PCSS) as an adjunct to Posterior Cervical Fusion (PCF) when used in combination with ACDF in the treatment of Multi-Level Degenerative Disc Disease (fuse study)

Bruce McCormack | University of California San Francisco | USA

10:00 - 10:30

Title: Management of Odontoid Type II Fractures through anterior approach: 5 years experience in regional hospital in Colombia

Juan Manuel Rodriguez Gil | Medilaser Clinic | Colombia

10:30 - 11:00

Title: Intraarticular ACP therapy for severe Osteoarthritis

Michael Borsky | Etzelclinic | Switzerland

Networking, Refreshments and Exhibition Area 11:00 - 11:20@ Breakout Area

Plenary Sessions

Session: Neuropharmacology

Session Chair: Jason R Gerstner | Washington State University | USA

11:20 - 11:40

Title: The Neuroprotective effect of a miR-96-5p inhibitor delivery to brain using Microbubbles and Ultrasound Technology

Chisato Kinoshita | Teikyo University School of Medicine | Japan

Session on: Spinal Disorders and Management | Orthopedics | Orthopedics Reconstruction | Musculoskeletal Disorder

Session Chair: Bruce McCormack | University of California San Francisco | USA

Session Co-chair: Michael Borsky | Etzelclinic | Switzerland

11:40 - 12:00

Title: Spinal Meningioma surgery: A single centre experience in the change of time

Hanah Hadice Gull | University of Duisburg-Essen | Germany

12:00 - 12:20

Title: Management of a patient with Spinal Cord Herniation caused by Intraspinal Bone Spur: A case presentation

Schirin Hunziker | University Hospital of Tubingen | Germany

12:20 - 12:40

Title: Low back pain and Sciatica in over 16s: Assessment and management (NG59)

Adeel Nawab Ditta | Milton Keynes University Hospital | UK

12:40 - 13:00

Title: A case of missed diagnosis in Total Knee Replacement Polyethylene Degradation, Metallosis and Tibial fracture

Gabrielle Thambirajah | Chelsea and Westminster Hospital NHS Foundation Trust | UK

Lunch Break 13:00 - 14:00 @ Junction Restaurant

14:00 - 14:20

Title: Improved bone healing by local and sustained release of Testosterone and Alendronate

Jan Gossen | Osteo-Pharma BV | The Netherlands

Session on: Nanoparticle Drug Delivery | Nanomedicine in Cancer Therapeutics

Session Chair: Osman Adiguzel | Firat University | Turkey

14:20 - 14: 40

Title: The study of Vesicle Phoresis in a concentration gradient

Safa Ali Almadhi | University College London | UK

14:40 - 15:00

Title: Natural killer cell-mimic nanoparticles can actively target and eliminate acute Myeloid Leukaemia Cells

Hojjat Alizadeh Zeinabad | University of Galway | Ireland

15:00 - 15:20

Title: Triple functional Cubosomes carrying Helenalin to target Rhabdomyosarcoma cells

Hakmin Mun | University of Oxford | UK

KEYNOTE FORUM

15:20 - 15:50

Ttile: Crystallographic aspects of shape recovery and shape reversibility in Shape Memory Alloys

Osman Adiguzel | Firat University | Turkey

Networking, Refreshments and Exhibition Area 15:50 - 16:10 @ Breakout Area

Session on: Orthopedics Surgery | Osteoarthritis | Osteoporosis

Session Chair: Michael Borsky | Etzelclinic | Switzerland

16:10 - 16:30

Title: Efficiency improvement measures to facilitate effective task of completion for junior surgical trainee doctors during their rotations

Godsfavour Chukwuemeka Maduka | Lister Hospital, East and North Hertfordshire NHS Trust | UK

16:30 - 16:50

Title: Short-term treatment of Alendronate prevents Periprosthetic bone loss following cementless total hip Arthroplasty

Dragos Apostu | University of Medicine and Pharmacy Cluj-Napoca | Romania

16:50 - 17:10

Title: Outcome of All-Inside Meniscal Repair

Nzube Ijezie | Dorset County Hospital | UK

Session on: Nanodrug Delivery | Pharmaceutical Nanotechnology | Medical Nanorobotics

Session Chair: Osman Adiguzel | Firat University | Turkey

17:10 - 17:30

Title: Developing biodegradable nanoparticle-based therapies and repurposing clinically approved drugs to clear Tuberculosis infection in primary mouse and human macrophage model systems

Raja Kalluru | Standford University | USA

17:30 - 17:50

Title: The application of Nanotechnology in Microneedles for drug delivery

Mariam Louis Fathy NAZIR | EVA Pharma | Egpyt

17:50 - 18:10

Title: Formulation and *in vivo* bioavailability studies of lipid nanoparticles of anticancer agent

Bhupendra G Prajapati | Ganpat University | India

18:10 - 18:30

Title: SMILE: A Verbal and Graphical User Interface tool for Speech-Control of Soccer Robots in Ghana

Patrick Fiati | Cape Coast Technical University | Ghana

18:30 - 18:50

Title: Liposomes based Donepezil Nasal *in situ* gel: Formulation development and *in vivo* characterization

Shital Butani | Nirma University | India

Poster Presentation 18:50-19:10

Poster Judge: Bruce McCormack | University of California San Francisco | USA

PP01

Title: Epiduroscopic Laser Neural Decompression in Lumbar pain

Andrea Sinagra | University of Buenos Aires | Argentina

Poster Judge: Osman Adiguzel | Firat University | Turkey

PP02 **Title: Colloidal stability and Cytotoxicity of Polydopamine-Conjugated Gold Nanorods against Prostate cancer cell lines**

Hakam Alaqabani | Al-Zaytoonah University of Jordan | Jordan

Panel Discussion

Certificates and Award Presentations | Thanks Giving & Closing Ceremony

Thursday | September 22, 2022 | Day 2

08:30 - 08:45 | Glimpse of Day 1

08:45 - 09:00 | Opening Ceremony

Virtual Presentations

KEYNOTE FORUM

09:00-09:30

Title: Lumbar Foraminal Stenosis classification that guides surgical treatment

Ali Fahir Özer | Koc University School of Medicine | Turkey

09:30-10:00

Title: Clinical practice of Percutaneous Full-Endoscopic Lumbar Interbody Fusion (PELIF) and its minimally invasiveness comparison with Minimally Invasive Surgery-Transforaminal Lumbar Interbody Fusion (MIS-TLIF)

Fujio Ito | Aichi Spine Hospital | Japan

10:00-10:30

Title: Poststroke cognitive impairment: A longitudinal follow-up and pre/poststroke mini-mental state examination comparison

Hsun-Hua Lee | Taipei Medical University | Taiwan

Networking, Refreshments and Exhibition Area 10:30 - 10:45

Sessions: Alzheimer's Disease | Vascular Dementia | Neuropharmacology

Session Chair: Jason R Gerstner | Washington State University | USA

10:45 - 11:05 **Title: Special function of Chemokine - CCL5 in Hippocampal memory formation and Neuron protection**

Szu-Yi Chou | Taipei Medical University | Taiwan

11:05 - 11:25 **Title: Bacalin attenuates ICV injection of Streptozotocin induced Vascular Dementia in rats**

Narahari Rishitha | JSS Academy of Higher Education and Research | India

11:25 - 11:45 **Title: Protective role of Non-steroidal Anti-Inflammatory Drugs in Alzheimer Disease, A systematic review and meta analysis of observational studies**

Shashank Tripathi | Lucknow University | India

Sessions: SCI | Spine Surgery | Case Reports and Clinical Trials

Session Chair: Fujio Ito | Aichi Spine Hospital | Japan

11:45 - 12:05	**Title: Inter-Laminar Spine Endoscopy - My journey through the learning curve** **Luís Soares** | Hospital do Divino Espírito Santo | Portugal
12:05 - 12:25	**Title: Posterior surgery for irreducible traumatic Spondyloptosis of Thoracolumbar junction (A small case series)** **Oleksii S Nekhlopochyn** | Romodanov Neurosurgery Institute | Ukraine
12:25 - 12:45	**Title: Benefits of the enhanced recovery after surgery program in Short-Segment Posterior Lumbar Interbody Fusion Surgery** **Xin Wang** | Lanzhou University | China
12:45 - 13:05	**Title: Our first 72 Spine endoscopy cases. Impressions of a learning curve** **Luís Soares** | Hospital do Divino Espírito Santo | Portugal

Lunch Break 13:05 - 13:50

13:50 - 14:10	**Title: Our Experience of Hyperbaric Oxygenation Therapy Usage in Treatment of Spinal Cord Injury** **Oleksii S Nekhlopochyn** | Romodanov Neurosurgery Institute | Ukraine
14:10 - 14:30	**Title: New technique for additional support point to improve the stability of Pedicle Screw Systems** **Togrul Caliliov** | Scientific Research Institute of Traumatology and Orthopedics | Azerbaijan

Special Sessions on: Spine Fractures

14:30 - 15:10	**Title: Thoracolumbar Junction Traumatic Injury: What is the best classification to determine teatment tactics?** **Oleksii S Nekhlopochyn** | Romodanov Neurosurgery Institute | Ukraine **Title: Thoracolumbar Junction Traumatic Injury: The role of Crosslinks and Pedicle Screw Insertion Depth in Lateroflexion** **Oleksii S Nekhlopochyn** | Romodanov Neurosurgery Institute | Ukraine

Networking, Refreshments and Exhibition Area 15:10 - 15:20

Virtual Poster Presentations 15:20 - 15:50

Poster Judge: Fujio Ito | Aichi Spine Hospital | Japan

PP01	**Title: The relationship between Extensor Muscle Volume and Lumbar Lordosis in patients with chronic back pain** **Connie Hsu** | Harvard Medical School | USA
PP02	**Title: Emerging trends in translational application of Stem Cell research in Intervertebral disc degeneration** **Vikramaditya Rai** | Dr. Rajendra Prasad Govt. Medical College & Hospital | India

Pannel Discussion

Certificates and Award Presentations | Thanks Giving & Closing Ceremony