

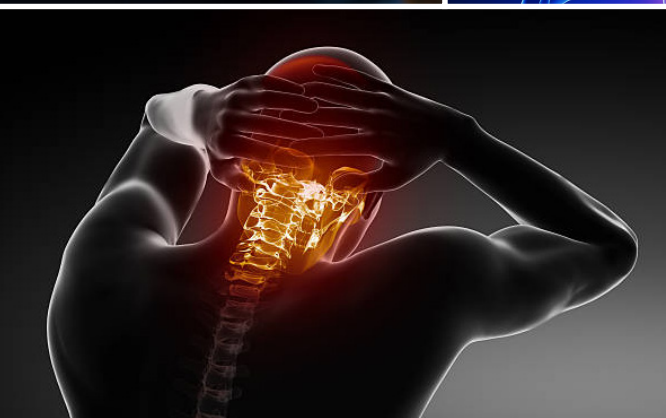
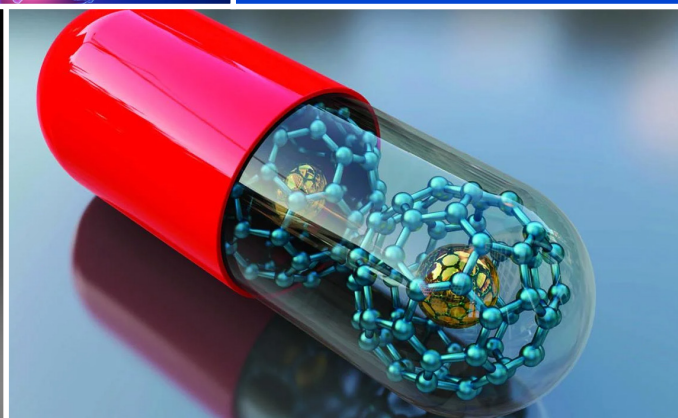
SCIENTIFIC PROGRAM

16th WORLD CONGRESS ON
SPINE & ORTHOPEDICS

14th INTERNATIONAL CONFERENCE ON
ALZHEIMER'S & NANOMEDICINE



SEPTEMBER 21-22
2022
LONDON, UK



Hosting Organization: Pulsus

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Scientific Program

Registrations

08:30-08:45

PULSUS
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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

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

11:20 - 11:40

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 Tübingen | 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 **Title: 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
- 17:10 - 17:30** **Title: An Overview of Primary Osteoarthritis: Non-Operative Management**
Joseph Furey | Princess Royal University Hospital | UK

Session on: Nanodrug Delivery | Pharmaceutical Nanotechnology | Medical Nanorobotics

Session Chair: Osman Adiguzel | Firat University | Turkey

- 17:30 - 17:50** **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
- 17:50 - 18:10** **Title: The application of Nanotechnology in Microneedles for drug delivery**
Mariam Louis Fathy NAZIR | EVA Pharma | Egypt
- 18:10 - 18:30** **Title: Formulation and *in vivo* bioavailability studies of lipid nanoparticles of anticancer agent**
Bhupendra G Prajapati | Ganpat University | India
- 18:30 - 18:50** **Title: SMILE: A Verbal and Graphical User Interface tool for Speech-Control of Soccer Robots in Ghana**
Patrick Fiati | Cape Coast Technical University | Ghana
- 18:50- 19:10** **Title: Liposomes based Donepezil Nasal *in situ* gel: Formulation development and *in vivo* characterization**
Shital Butani | Nirma University | India

Poster Presentation 19:10-19:30

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 | Parkinson's Disease

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	<p>Title: Bacalin attenuates ICV injection of Streptozotocin induced Vascular Dementia in rats</p> <p>Narahari Rishitha JSS Academy of Higher Education and Research India</p>
11:25 - 11:45	<p>Title: Protective role of Non-steroidal Anti-Inflammatory Drugs in Alzheimer Disease, A systematic review and meta analysis of observational studies</p> <p>Shashank Tripathi Lucknow University India</p>
11:45 - 12:05	<p>Title: Inflammatory Cascade in Alzheimer's Disease Pathogenesis</p> <p>Josiane Budni University of Southern Santa Catarina (UNESC) Brazil</p>
12:05-12:25	<p>Title: Integration of Palliative Care for patients with Parkinson Disease (PD)</p> <p>Helen Senderovich University of Toronto Canada</p>
Sessions: SCI Spine Surgery Case Reports and Clinical Trials	
Session Chair: Fujio Ito Aichi Spine Hospital Japan	
12:25 - 12:45	<p>Title: Inter-Laminar Spine Endoscopy - My journey through the learning curve</p> <p>Luís Soares Hospital do Divino Espírito Santo Portugal</p>
12:45 - 13:05	<p>Title: Posterior surgery for irreducible traumatic Spondyloptosis of Thoracolumbar junction (A small case series)</p> <p>Oleksii S Nekhlopochyn Romodanov Neurosurgery Institute Ukraine</p>
Lunch Break 13:05 - 13:50	
13:50 - 14:10	<p>Title: Benefits of the enhanced recovery after surgery program in Short-Segment Posterior Lumbar Interbody Fusion Surgery</p> <p>Xin Wang Lanzhou University China</p>
14:10 - 14:30	<p>Title: Our first 72 Spine endoscopy cases. Impressions of a learning curve</p> <p>Luís Soares Hospital do Divino Espírito Santo Portugal</p>
14:30 - 14:50	<p>Title: Our Experience of Hyperbaric Oxygenation Therapy Usage in Treatment of Spinal Cord Injury</p> <p>Oleksii S Nekhlopochyn Romodanov Neurosurgery Institute Ukraine</p>
14:50 - 15:10	<p>Title: New technique for additional support point to improve the stability of Pedicle Screw Systems</p> <p>Togrul Caliliov Scientific Research Institute of Traumatology and Orthopedics Azerbaijan</p>
15:10 - 15:30	<p>Title: Recovery of activities and factors influencing them in Post Degenerative Lumbar Spine Surgery - A qualitative study</p> <p>Sharmila Dudhani Shri Dharmasthala Manjunatheshwara University India</p>

Special Sessions on: Spine Fractures

Title: Thoracolumbar Junction Traumatic Injury: What is the best classification to determine treatment tactics?

15:30 - 16:10

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 16:10 - 16:20

Virtual Poster Presentations 16:20 - 16:50

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