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World Conference on Orthopaedics and Physiotherapy



November 26–28, 2026



Osaka, Japan

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TENTATIVE PROGRAM



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WCOP-2026@iiconicconferences.org



<https://www.orthopaedics.theiconicmeetings.com/>

Day 1 (November -26 -2026)	
08:30-09:30	Registrations in Main Hall
09:30-09:35	Introduction
09:35-10:00	Opening Ceremony
Plenary session	
10:00-10:40	Title: Maternal omega-6 to omega-3 conversion reduces osteoarthritis pain-related behaviors in adult female offspring Farshid Guilak, <i>Washington University, USA</i>
10:40-11:20	Speaker Slot available
11:20-11:35	Refreshments Break@ Foyer
11:35-12:15	Title: Cornerstone of healthy ageing: preserving skeletal muscle to delay age-related musculoskeletal disease and maintain functional independence Lars Engebretsen, <i>University of Oslo, Norway</i>
12:15-12:30	Group Photo
12:30-13:30	Lunch Break
Keynote Session	
13:30-14:00	Title: Long-Term Efficacy Analysis of Dynamic Ultrasonography-Assisted Closed Reduction for the Treatment of Lateral Humeral Condylar Fractures in Children Lihua Zhao, <i>Shanghai Jiao Tong University, China</i>
14:00-14:30	Title: Application of Hybrid Constitutive Biomechanics Large Model in Musculoskeletal System Diseases Siqiong Yao, <i>Shanghai Jiao Tong University, China</i>
14:30-15:00	Speaker Slot available
Featured Talks	
15:00-15:20	Title: Artificial intelligence in spine surgery Aditya Karhade, <i>Harvard University, USA</i>

15:20-15:40	Title: Cembgn-Loaded Hydrogel Regulates Macrophage Polarization For Bone Repair Ashokan Arumugam, <i>University of Sharjah, India</i>
15:40-16:00	Title: Inter-rater reliability of baseline push-pull dynamometer for shoulder and scapular muscle strength testing among healthy individuals Catherine L Grange, <i>The University of Melbourne, Australia</i>
16:00-16:20	Speaker Slot available
16:20-16:30	Refreshments Break@ Foyer
16:30-16:50	Title:Mechanisms of bone pain: Progress in research from bench to bedside Gehua Zhen, <i>Johns Hopkins University, Gehua Zhen</i>
16:50-17:10	Title:Previous Procedures and Risk of Surgical Site Infection/ Periprosthetic Joint Infection Karan Goswami, <i>Thomas Jefferson University, USA</i>
17:10-17:30	Title: Outcome of dual-mobility articulation in revision hip arthroplasty of porous revision acetabular component Sujith Konan, <i>University College London Hospital, United Kingdom</i>
17:30-17:50	Speaker Slot available
Poster Presentations @ 17:50-19:00	
Speaker Slots Available	
Day 2 (November 27, 2026)	
08:30-09:30	Registrations
Plenary Session	
09:30-10:10	Title:Interspecies comparisons of in situ intrinsic mechanical properties of distal femoral cartilage Kyriacos A. Athanasiou, <i>University of California, Irvine</i>

10:10-10:50	Speaker Slot available
10:50-11:00	Refreshments Break@ Foyer
Keynote session	
11:00-11:30	Title: Social and Demographic Health Disparities in Knee Osteoarthritis and Total Knee Arthroplasty Clark T. Hung, <i>Columbia University, USA</i>
11:30- 12:00	Speaker Slot available
Featured Talks	
12:00-12:20	Title: Telemedicine for paediatric rheumatic diseases in Japan: a national survey of physicians' perspectives Keiichiro Nishida, <i>Okayama University, Japan</i>
12:20-12:40	Title: Risk Factors for Reoperation After First Metatarsophalangeal Arthrodesis: A Retrospective Case-Control Study Ville T. Ponkilainen, <i>Tampere University Hospital, Finland</i>
12:40-13:00	Title: Cell tumbling enhances stem cell differentiation in hydrogels via nuclear mechanotransductions Pamela C Cai, <i>University of Chicago, USA</i>
13:00-14:00	Group Photo & Lunch Break
14:00-14:20	Title: Effects of high dose aspartame-based sweetener on the gut microbiota and bone strength in young and aged mice Christopher Hernandez, <i>University of California, USA</i>
14:20-14:40	Title: Direct Cross-Linking of Cucurbit uril Pseudopolyrotaxanes to Prepare Slide-Ring Hydrogels Matthew J. Webber, <i>University of Notre Dame, USA</i>
Speaker Slots Available	

Day 3 (November 28, 2026)	
08:30-09:30	Registrations
Plenary session	
09:30-10:10	Title: Cement-in-cement revision of the cemented femoral stem as a treatment for periprosthetic fracture around a total hip arthroplasty: an up-to-date review Peter V Giannoudis, <i>University of Leeds, England</i>
10:10-10:50	Speaker Slot available
10:50-11:10	Refreshments Break@ Foyer
Keynote session	
11:10-11:40	Title: Compositions and methods for supporting nucleus pulposus (NP) cell phenotype and biosynthesis Lori A. Setton, <i>Washington University, USA</i>
11:40-12:10	Speaker Slot available
12:10-13:10	Group Photo & Lunch Break
Featured Talks	
13:10-13:30	Title: Weight regain and mental health outcomes following behavioural weight management programmes: A systematic review with meta-analyses Annika Theodoulou, <i>University of Oxford, England, United States</i>
13:30-13:50	Title: Cable-actuated, kinetically-balanced, parallel torque transfer exoskeleton joint actuator with or without strain sensing Zachary F. Lerner, <i>Northern Arizona University, USA</i>
13:50-14:10	Title: Hip muscle strength in male and female patients with femoroacetabular impingement syndrome: Comparison to healthy controls and athletes Nicola Casartelli, <i>Human Performance Lab, Schulthess Clinic, Switzerland</i>

14:10-14:30

Title:Machine learning is better than surgeons at assessing unicompartmental knee replacement radiographs

Stephen Mellon, *University of Southern Denmark, Denmark*

14:30-14:50

Title: Assessing Unit Perspectives on Referrals to a Regional Bone and Soft Tissue Tumour Service

Neil Ashwood, *Orth Wolverhampton University, United Kingdom*

Speaker Slots Available