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Joint Event

Scientific Program

11th International Conference on

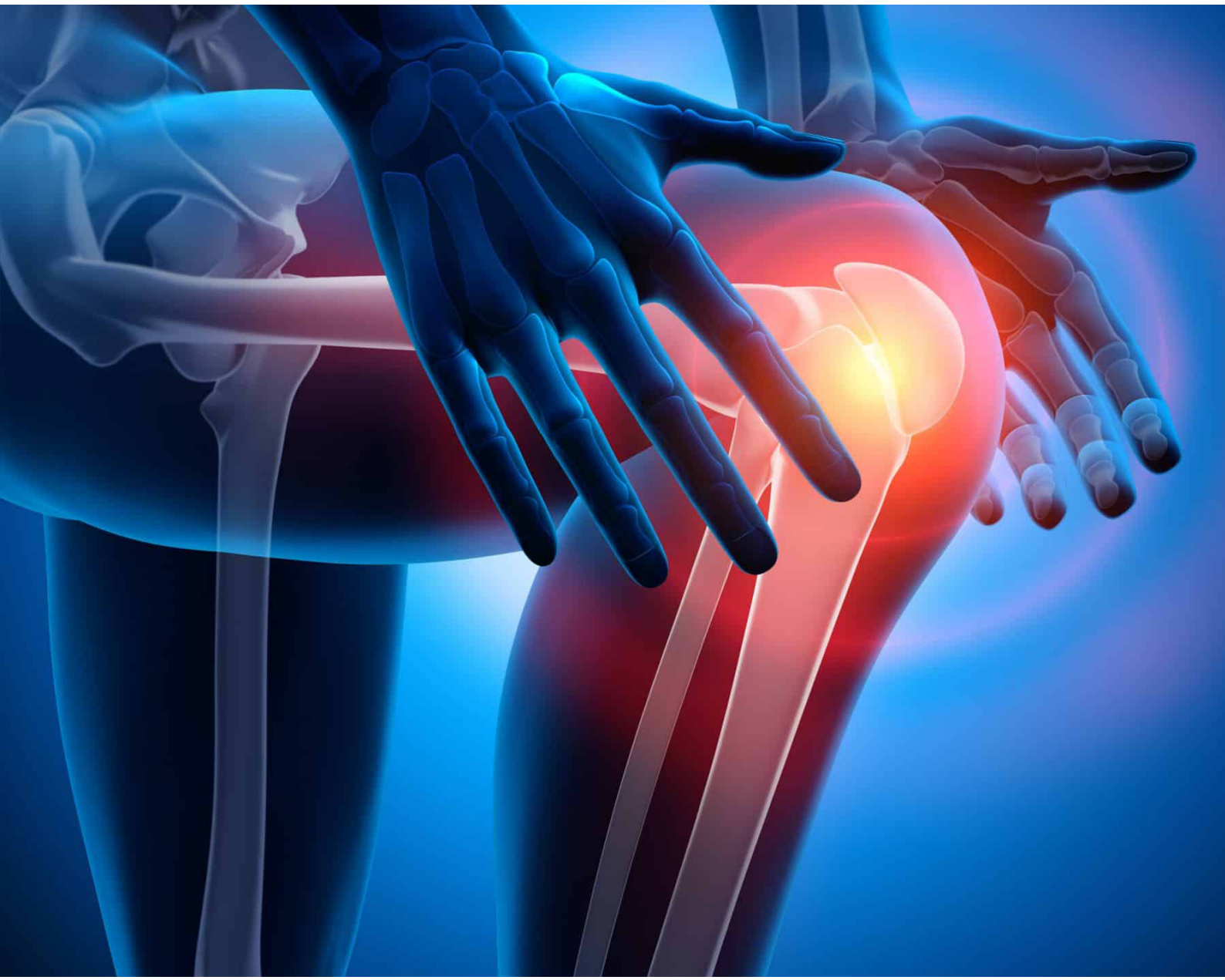
OSTEOPOROSIS, ARTHRITIS & MUSCULOSKELETAL DISORDERS

&

10th International Conference on

ARTHROPLASTY

December 04-05, 2017 | Madrid, Spain



Pulsus Group

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Monday, December 4, 2017 | Day 1

08:30-09:00 Registration Desk Opens

Meeting Room @ Leon

PULSUS WWW.PULSUS.COM **09:00-09:10** **Opening Ceremony**

Keynote Forum

Introduction

09:10-09:50
Title: The treatment of severe acetabular bone loss with associated pelvic discontinuity in revision total hip arthroplasty: Introduction of a novel technique
Neil P Sheth, University of Pennsylvania, USA

09:50-10:30
Title: MMP inhibitors as novel therapeutics for osteoporosis
Ying Gu, Stony Brook University USA

10:30-11:10
Title: Management and treatment of acetabular bone loss
Christopher M Melnic, Harvard Medical School, USA

Group Photo

Networking & Refreshments Break 11:10-11:30 @ Salamanca

11:30-12:10
Title: Procrastination of wound drainage and malnutrition affect the outcome of joint arthroplasty
Fereidoon M Jaberi, Shiraz University of Medical Sciences, Iran

Major Sessions: Pelvic Fractures | Arthroplasty | Joint Replacement Surgery | Injuries Around the Hip | Arthritis and Related Diseases | Intervertebral Disc Disorders | Injuries to Leg, Ankle and Foot | Hand Injuries | Rheumatoid Arthritis | Novel Pharmacological Treatments

Session Chair: Fereidoon M Jaberi, Shiraz University of Medical Sciences, Iran
Session Co-Chair: Neil P Sheth, University of Pennsylvania, USA

Session Introduction

12:10-12:35
Title: Robotic arm assisted uni-compartmental knee replacement - The learning curve
Cathleen J O'Neill, Cork University Hospital, Ireland

12:35-13.00
Title: Circulation based classification of femoral neck fracture - New discoveries of intraosseous blood supply of proximal femur
Dewei Zhao, Affiliated Zhongshan Hospital of Dalian University, China

Lunch Break 13:00-13:45 @ Salamanca

13:45-14:10
Title: An *in vivo* study of 3 artificial cervical discs: Are unconstrained designs susceptible to migration?
Jamie L Baisden, Medical College of Wisconsin, USA

14:10-14:35
Title: Infected total Knee replacement: Outcomes of alternative management options
Mohammed A Almustafa, Stockport NHS Foundation Trust, UK

14:35-15:00
Title: Fracture calcaneous early weight bearing
Yasser Allam, Jeddah Clinic Hospital, Saudi Arabia

15:00-15:25
Title: Long-term results of hemiarthroplasty compared to arthrodesis for osteoarthritis of the first metatarsophalangeal joint
Stefan Beekhuizen, Green Heart Hospital, The Netherlands

15:25-15:50
Title: The trigonometric algorithm defining the true three-dimensional acetabular cup orientation: Correlation between measured and calculated cup orientation angles
T E Snijders, Clinical Orthopedic Research Center, Netherlands

	Networking & Refreshment Break 15:50-16:10 @ Salamanca
16:10-16:35	**Title: Decision support tool for diagnosis of Rheumatoid Arthritis** **Alireza Sadeghpour,** Tabriz University of Medical Sciences, Iran
16:35-17:00	**Title: Clinical experience in 10 patients implanted with a contralateral prophylactic medical device in case of first low-energy hip fracture due to osteoporosis** **Szpalski Marek,** Hôpitaux Iris Sud, Belgium
17:00-17:25	**Title: Human type H vessels are a sensitive marker of bone mass** **Liang Wang,** The Second Affiliated Hospital of Soochow University, China
17:25-17:50	**Title: Treatment of post-traumatic elbow stiffness - Our experiences** **Cunyi Fan,** Shanghai Sixth People's Hospital, China
17:50-18:15	**Title: Metal on metal hip arthroplasty outcome ten years study** **Ahmed Bakr,** North Manchester General Hospital, UK
	Panel Discussion

Tuesday, December 5, 2017 | Day 2

Meeting Room @ Leon

Keynote Forum

09:10-09:50	**Title: The relationship of the posterior condylar axis and Whiteside's axis in various osteoarthritic Indian knees undergoing primary total knee arthroplasty: A computer navigation based study** **E Krishna Kiran,** Maxcure Hospitals, India
09:50-10:30	**Title: Robotic guided total hip arthroplasty** **Carlos Suarez-Ahedo,** American Hip Institute, USA
10:30-11:10	**Title: Challenges in total hip arthroplasty in ankylosing spondylitis** **Fereidoon M Jaberi,** Shiraz University of Medical Sciences, Iran
	Networking & Refreshment Break 11:10-11:30 @ Salamanca
	Session Introduction
	Major Sessions: Joint Replacement Surgery | Metabolic Bone Disease | Peripheral Nerve Injuries | Injuries of the Forearm and Wrist | Treatment of Orthropedic Disorders | Back Pain and Management | Arthroscopic Surgery | Orthropedic Surgeries
	Session Chair: Carlos Suarez-Ahedo, American Hip Institute, USA **Session Co-Chair: E Krishna Kiran,** Maxcure Hospitals, India
	Workshop (11:30-13:30)
11:30-12:00	**Introduction on taper wear and corrosion – Issues and possible solutions** **Richard M Hall,** University of Leeds, UK **Title: Exploring the degradation mechanisms and preclinical testing of modular tapers - Past, Present and Future** **M G Bryant,** University of Leeds, UK
12:00-12:30	**Title: Does SiN coating of tapers influence the mechanics of modular hip prostheses with respect to micromotions and pull-off strength?** **A Falkenberg,** TUHH - Hamburg University of Technology, Germany
12:30-13:00	**Title: Stem failure due to head bottoming out** **Gerd Huber,** TUHH - Hamburg University of Technology, Germany
13:00-13:30	**Title: Assessing the effect of SiNx coating on CoCrMo and Ti6Al4V trunnions to mitigate fretting corrosion at the modular taper junction of hip prostheses** **Abimbola Oladokun,** University of Leeds, UK
	Lunch Break 13:30-14:15 @ Salamanca
14:15-14:40	**Title: Evaluation of the response of primary human peripheral blood mononuclear phagocytes to silicon nitride nanoparticles** **Saurabh Lal,** University of Leeds, UK

14:40-15:05	**Title: *In vivo* investigation of nanoscale silicon nitride particles** **Jayna Patel**, University of Leeds, UK
15:05-15:30	**Title: 3D printing porous tantalum metal module for treatment of DDH** **Dewei Zhao**, Affiliated Zhongshan Hospital of Dalian University, China
15:30-15:55	**Title: Monitoring of metastatic bone tumor using by near-infrared fluorometric imaging system on mouse xenograft model** **Wonbong Lim**, Chosun University, South Korea
Networking & Refreshment Break 15:55-16:25 @ Salamanca	
16:25-16:50	**Title: Effects of Alfacalcidol on the expression of RANK/RANKL/OPG in aged male rats** **Zhou Xiongwen**, Xiangya Hospital, China
16:50-17:15	**Title: MAKOplasty – Radiological accuracy and clinical outcomes** **Cathleen J O'Neill**, Cork University Hospital, Ireland
17:15-17:40	**Title: Hyperbaric oxygen treatment for symptomatic Osteonecrosis of the femoral head Stages I and II** **Eyal Ginesin**, Rambam Health Care Hospital, Israel
17:40-18:05	**Title: Ankle cartilage is more resilient to cytokine-induced catabolism than knee cartilage: A potential target for prevention of knee arthritis?** **Ali Abdullah**, Cardiff University, UK
Poster Presentations: 15:55-16:55 @ Salamanca	
PP 01	**Title: Morphological evaluation of Blumensaat's line in the quadrant method** **Toshihiro Seki**, Yamaguchi University, Japan
PP 02	**Title: Association between tibial coronal alignment in total knee arthroplasty and patient satisfaction: Using a 3D-matching evaluation method** **Kazushige Seki**, Yamaguchi University, Japan
PP 03	**Title: Assessment of osteoporotic alterations in Type 2 Diabetes: A retrospective study** **Nagano C P**, University of São Paulo, Brazil
PP 04	**Title: Effect of estrogen deficiency on loaded and non-loaded area of temporomandibular or knee Joint** **Hoon Joo Yang**, Seoul National University Dental Hospital, South Korea
PP 05	**Title: Correlation between the bone densities jaws, condyle mandibular and cervical vertebrae C1, C2, C3 through computed tomography with multislice CT (Hounsfiled scale). Osteoporosis local or systemic** **Elza Maria Carneiro Mendes Ferreira dos Santos** & **Vanessa de Araujo Faria**, University of São Paulo, Brazil
PP 06	**Title: Dietary antioxidants and risk of clinical knee osteoarthritis: Is there a protective role?** **Eman M Alissa**, King Abdulaziz University, Saudi Arabia
PP 07	**Title: Serum 25-hydroxyvitamin D, bone turnover markers and bone mineral density in postmenopausal women with hip fractures** **Jixing Fan**, Tsinghua University, China
PP 08	**Title: Vitamin D or exercise whilst on high fat diet normalise bone mineral density** **Zeayd Saeed**, University of Leicester, UK
PP 09	**Title: Inhibitory effect on epithelial-mesenchymal transition (EMT) by HDAC9 inhibitor in CD133+ prostate cancer cell line** **Bora Kim**, Chonnam National University, South Korea
Panel Discussion	
Best Poster Presentation Award	
Thanks Giving & Closing Ceremony	