

APOA25
Cairns, Australia
9-12 April 2025

**Artificial
Intelligence,
Robotics
and Mixed
Reality**



Free Papers -
Podium 2025

Free Papers - Podium Presentations

DIVERSITY, INCLUSION, EQUITY, WAVES | OSTEOPOROSIS, FRAGILITY, FRAILTY | INFECTION

M5

Thursday 10th April 8.00am - 9.30am

8.00am	Diversity in Orthopaedics - a study on stereotypes and review of literature	Kiyana Mirza
8.06am	A comparative analysis of Three Knee Arthrodesis Techniques to manage failed Knee Arthroplasty following Prosthetic Joint Infection: Intramedullary Nailing, LRS External Fixator, and Compression Plating	Raja Bhaskara Rajasekaran
8.12am	Outcomes of Knee Arthrodesis Using External Fixator After Failed Total Knee Replacement because of uncontrolled Infection	Uttam Chand Saini
8.18am	Impact of Osteosynthesis vs. Arthroplasty on Postoperative Outcomes in Elderly Patients with Fragility Fractures at Risk of Delirium	Derya Akbaba
8.24am	The Relationship Between Subsequential Osteoporotic Thoracolumbar Fracture Risk and Epidural Steroid Injection as Non-surgical Management for Patients with Lumbar Spondylosis: A Retrospective Matched Cohort Study.	Howard, Hao-wen Chen
8.30am	DISCUSSION	
8.42am	Correlation of Modified Frailty Index and Charlson Comorbidity Index with clinical outcomes based on Western Ontario and McMaster Universities Osteoarthritis Index in femoral neck fractures treated with total hip arthroplasty	Josiah Paolo Montales Mutia
8.48am	Clinical Validation of a Deep Learning-Based AI model Bone Mineral Density Prediction from Chest X-ray Images and its post-hoc validation	Kun-Hui Chen
8.54am	Osteoporotic Vertebral Compression Fracture- Classification Based Management Strategy	Md Anowarul Islam
9.00am	Fragility fractures are under recognised in RA	Owen Taylor-Williams
9.06am	Evaluation of using grip strength and hand muscle cross-sectional area to predict secondary fractures post distal radius fracture	Tsz Kin Kong
9.12am	DISCUSSION	

HIP

M6

Thursday 10th April 8.00am - 10.00am

8.00am	Custom made 3D printed augments and cages- an effective option for management of severe acetabular bone loss	Ameya Ajit Katariya
8.06am	Reconstruction of the abductor function of the hip with a muscle-sparing vastus lateralis to gluteus medius translational transfer	Boopalan Ramasamy
8.12am	Revision Utilizing a Standard Cemented Stem in Early Postoperative Periprosthetic Femur Fractures	Cheng-Chi Wang
8.18am	Cementless Acetabular Cup Without Screw Holes: A minimum 20-year follow-up study	Chun Man Lawrence Lau
8.24am	DISCUSSION	
8.40am	Direct Anterior Approach for Total Hip Arthroplasty in Bony Ankylosis of hips	Deepak Gautam
8.46am	A novel algorithm for the calculation of the impingement-free range of motion and optimal component orientation of elevated-rim liners for total hip arthroplasty	Hao Tang
8.52am	Outcome of Pelvic Support Osteotomy with ilizarov in unstable hips in adolescents and younger age group.	Muhammad Shoaib Khan
8.58am	Who needs 3D planning in preoperative planning for total hip arthroplasty? A study using a custom impingement simulation model.	Koki Abe
9.04am	Variation in mortality following hip fracture across the Asia Pacific region: systematic review and proportional meta-analysis	Lara A Harvey
9.10am	DISCUSSION	
9.20am	A Patient-specific Algorithm for Predicting Standing Sagittal Pelvic Tilt at One Year after Total Hip Arthroplasty: a Preliminary Validation Study	Hao Tang
9.26am	Kinematic Alignment for Cup Position in Total Hip Arthroplasty- Direct Anterior Approach using the Transverse Acetabular Ligament for Inclination and anteversion in conjunction with Anterior Acetabular Rim. This Achieves Functional Stability and "Patient Specific Safe Zone"	Praveen Singh Madan
9.32am	Australian Design Cementless Stem Affords Stability With and Without a Collar at Mid-Term Follow-Up	Rami Sorial
9.38am	Posterior-only fixation in pelvic fractures: Is it sufficient in lateral compression injuries?	Sandeep Patel
9.44am	Outcome of Fixation of Posterior Column of Acetabulum Through Stoppa Approach with Newer Technique: A Retrospective Study	Dharmendra Kumar
9.50am	DISCUSSION	

Free Papers - Podium Presentations

KNEE

M5

Thursday 10th April 1.30pm - 4.00pm

1.30pm	Static Foot Pressure and Percentage Contact Area of the Foot as an Assessment Tool for the Success of Anterior Cruciate Ligament Reconstruction: A Cross-sectional Study	Abhishek Agarwal
1.36pm	Optimizing Femoral Component Rotation: A Comparative Evaluation of Robotic-Assisted versus Navigation-Assisted Total Knee Arthroplasty	Azlina Amir Abbas
1.42pm	meniscus reconstruction with autologous Tendon Graft	Cheng-Pang Yang
1.48pm	Comparison of Conventionally instrumented inverse Restricted Kinematic Alignment(irKA) and Robotic-assisted Gap-balance based TKA (ROSA) in the CPAK constitutional alignment restoration and functional outcomes: a case-cohort study	Chun-Hao Tsai
1.54pm	Are Distal Femoral Valgus Cut Angles Reliable in Clinical Outcomes of Total Knee Arthroplasty?	Derya Akbaba
2.00pm	Combined Therapy of Autologous Protein Solution and Hyaluronic Acid for Knee Osteoarthritis: 1-Year Results	Edmund Zhang
2.06pm	Component Size Discrepancies and Their Influence on Three-Year Outcomes in Simultaneous Bilateral Total Knee Arthroplasty: A Multicenter Prospective Study	Kunal Aneja
2.12pm	DISCUSSION	
2.22pm	Effect Of Dexamethasone On Post-Operative Pain Management In Patients Undergoing Total Knee Arthroplasty	Junaid Khan
2.28pm	Donor site morbidity following arthroscopic anterior cruciate ligament reconstruction using peroneus longus tendon autograft	Kiyana Mirza
2.34pm	Phenotype considered kinematically aligned total knee arthroplasty for windswept-deformity-associated osteoarthritis--surgical strategy and clinical outcome	Kui-Chou Huang
2.40pm	Postoperative full leg radiographs exhibit more valgus alignment compared to intraoperative measurements in robotic arm-assisted partial knee arthroplasty	Haobo Wu
2.46pm	Mid-Term Clinical and Functional Outcomes in Indian Patients Following Simultaneous Bilateral Total Knee Arthroplasty: Assessing the Impact of Body Mass Index	Kunal Aneja
2.52pm	Development and Validation of an Artificial Intelligence Preoperative Planning and Patient-Specific Instrumentation System for Total Knee Arthroplasty	Peilai Liu
2.58pm	Off-label ultra high dose of tranexamic acid infusion in primary total knee arthroplasty: A randomized multicenter clinical trial	Qiang Huang
3.04pm	DISCUSSION	
3.14pm	Knee Phenotypes in Indian Populations: Insights for Personalized Arthroplasty Using CPAK Classification	Kunal Aneja
3.20pm	Advanced Osteoarthritis of Knee: New Treatment, New Hope	Shahidul Islam
3.26pm	Enhancing Knee Osteoarthritis Progression Prediction with a Novel Multimodal Machine Learning Model	Sik Loo Tan
3.32pm	2 years clinical outcome for Anterior Cruciate Ligament Reconstruction Using Femoral and Tibial Cortical Button Fixation.	tan wei how
3.38pm	Biomechanical Analysis Post-ACLR Comparison With Functional Hop Test Results	Timothy S Whitehead
3.44pm	How do I deal with soft tissue defect in knee arthroplasty	Weijun Wang
3.50pm	Western-designed total knee implants mismatch Saudi patient knees	Mohammed Lafi Al-Otaibi
3.56pm	DISCUSSION	

HAND AND UPPER LIMB

M6

Thursday 10th April 1.30pm - 4.00pm

1.30pm	Enhanced Deep Feature Fusion for the Automated quantification of the fatty infiltration of the Rotator Cuff muscles using MRI	Asma Salhi
1.36pm	All-arthroscopic muscle advancement procedure for massive retracted rotator cuff tears: clinical and radiological outcomes	Kristine Italia
1.42pm	Surgical outcomes and complication rates of arthroscopic-assisted fixation versus open fixation for coronoid fractures: A systematic review and meta-analysis	Leonard Christianto Singjie
1.48pm	The Clinical Course and Outcomes Following Arthroscopic Frozen Shoulder 360 Release	Brandon Ziegenfuss
1.54pm	The RADiCL Procedure: Repair/Augmentation of Dorsal Capsular Ligaments	Greg Couzens
2.00pm	Clinical outcomes of arthroscopic brachial plexus neurolysis for neurogenic thoracic outlet syndrome	Kristine Italia
2.06pm	DISCUSSION	
2.16pm	Modular Approach to Carpal Instability	Greg Couzens
2.22pm	The application of total elbow arthroplasty in rheumatoid arthritis: a 5-year multicenter prospective long-term follow-up study	Hao Xiong
2.28pm	Both intra-articular and intravenous tranexamic acid enhance visual clarity and reduce postoperative pain following arthroscopic rotator cuff repair: Retrospective cohort study	Hyojune Kim
2.34pm	A Novel Classification of Scaphoid Position in Scapholunate Instability	Greg Couzens
2.40pm	Personalised approach to patients with rotator cuff tears through data-driven machine learning for decision-making	Asma Salhi
2.46pm	Validation of Mixed Reality Technology as a Guidance Tool in Shoulder Arthroplasty	Kristine Italia
2.52pm	DISCUSSION	
3.02pm	Comparison in short term results between intra-articular sodium hyaluronate and intralesional corticosteroid injections for tennis elbow.	Nattakorn Mahasupachai
3.08pm	Trustworthy deep learning framework for the detection of abnormalities in shoulder x-ray images	Asma Salhi
3.14pm	Correction of Forearm and Wrist Deformities in Hereditary Multiple Exostoses (HME) Using the Ilizarov Method	Mofakhkharul Bari
3.20pm	Reverse shoulder arthroplasty in acute proximal humeral fractures: the DFER approach	Kristine Ramos Italia
3.26pm	Quantifying the Difference In Glenoid Component Position Between Total Shoulder Arthroplasty And Reverse Shoulder Arthroplasty	Rohit Sane
3.32pm	Radiographic Evaluation of the Humeral Side in Reverse Shoulder Arthroplasty	Shu Yoshizawa
3.38pm	DISCUSSION	

Free Papers - Podium Presentations

SPORTS

M5

Thursday 10th April 4.00pm - 5.00pm

4.00pm	Clinical and Functional Outcome of Selective PL Bundle Reconstruction in PTS with Partial ACL Tear; An ACL remnant preserving approach	Javed Iqbal
4.06pm	Clinical outcomes of anterior cruciate ligament reconstruction using quadriceps tendon autograft versus hamstring tendons autograft	Mohd Ammar Aslam
4.12pm	Human Dermal Allograft Augmentation in Rotator Cuff Repair: Is there Patch Integration?	Jonas Fernandez
4.18pm	Concomitant meniscus repair with ACL reconstruction does not affect short term post operative outcomes clinically	Kennan Zhi Guang Yeo
4.24pm	DISCUSSION	
4.29pm	Title; Triple Surgical approach in patients with atraumatic recurrent patellar dislocation.	Javed Iqbal
4.35pm	Peroneus longus in ACL reconstructions- comparison with hamstring graft	Sanjay Yadav
4.41pm	Arthroscopic 360-capsular release versus intraarticular steroid and hydro-dilatation in the treatment of primary adhesive capsulitis	Shuja Auddin
4.47pm	Relationship between the incidence of little leaguer's elbow and athletic performance in young baseball players	Yoshihiro Kotoura
4.53pm	DISCUSSION	

FOOT AND ANKLE

M5

Thursday 10th April 5.00pm - 6.00pm

5.00pm	Outcomes in Surgically Treated Foot and Ankle Fractures Sustained in Extreme Sports	Alexander Moore
5.06pm	An Innovative Method of Closed Reduction and Percutaneous Pinning (CRPP) for Complex Ankle Fractures Including Pilon Fractures	Anilkumar Vidyadharan
5.12pm	Impact of Dorsal Closing Wedge Calcaneal Osteotomy on Hindfoot Alignment and Biomechanics in Patients with Insertional Achilles Tendinopathy	Bedri Karaismailoglu
5.18pm	Plantar approach to surgical excision of Morton's interdigital neuroma	David Fang
5.24pm	DISCUSSION	
5.29pm	Tibiototalcalcaneal arthrodesis: Comparison of ipsilateral distal fibular autograft as an intramedullary strut and lateral tibia plating versus intramedullary nail	Chien Hua Chen
5.35pm	Should we put a screw in Akin osteotomy?	Chun Hsien Huang
5.41pm	Relationship between Radiological Parameters and Clinical Outcomes in Surgical Correction of Pes Planus	Bedri Karaismailoglu
5.47pm	Bone lengthening by small fixator; an innovative technique	Jabed Jahangir
5.53pm	DISCUSSION	

ONCOLOGY

M6

Thursday 10th April 4.00pm - 6.00pm

4.00pm	Core needle biopsy with sampling the cyst wall (curopsy): Solving the enigma of needle biopsy for cystic bone lesions.	Ameya Katariya
4.06pm	3D printed plates in Orthopaedic Oncology reconstruction: are they worth the cost and effort?	Manish Agarwal
4.12pm	Challenges of Suspending the upper limb after total scapulectomy in sarcoma patients: a durable and cheaper option	Masood Umer
4.18pm	Does the addition of fibula, Vascularized or free, improve the outcomes of intercalary reconstructions following ECRT?	Pradeesh Kiswanth Sundarapandian
4.24pm	PET-CT improves the Radiology based grading of chondrosarcomas	Manish Agarwal
4.30pm	DISCUSSION	
4.42pm	Fresh Parental Fibular Allograft reconstruction of skeletal defects after limb salvage surgery in young children	Masood Umer
4.48pm	En bloc excision and autogenous fibular reconstruction with wrist arthrodesis for aggressive giant cell tumor of distal radius	Mohammad Serajus Saleheen
4.54pm	Risk Factors For Local Recurrence After Extended Curettage In The Management Of Giant Cell Tumour - Has Anything Changed? - Retrospective Analysis Of 117 Cases	Raja Bhaskara Rajasekaran
5.00pm	Management of benign tumours of proximal femur: a case series	Masood Umer
5.06pm	DISCUSSION	
5.16pm	Making an affordable world-class Tumor Knee Prosthesis : challenges and solutions	Manish Agarwal
5.22pm	Preventive Approach of Phantom Limb Pain In Lower Limb Ablation Surgery: A Systematic Review	Rafael Marvin Yushan
5.28pm	Functional outcomes of internal hemipelvectomy in pediatric patients with malignant bone tumors: a monocentric case series	Masood Umer
5.34pm	Use of Non-Vascularized Osteo-Articular Fourth Metatarsal Graft for Reconstruction of Campanacci Grade Iii Giant Cell Tumour of Second Metacarpal Head	Rajesh Arora
5.40pm	DISCUSSION	

Free Papers - Podium Presentations

FOOT AND ANKLE

M6

Friday 11th April 7.00am - 8.00am

7.00am	A comparative study of radiation exposure between C-arm fluoroscopy and portable X-ray camera	Heo Wok
7.06am	Arthroscopic Microfracture for Osteochondral Lesions of the Talus: Second-Look Arthroscopic and Magnetic Resonance Analysis of Cartilage Repair Tissue Outcomes	Gun-Woo Lee
7.12am	Analysis of Factors of ankle osteoarthritis in Japan	Masataka Kakihana
7.18am	3D volumetric analysis of posterior malleolus fractures: revisiting classification systems	Joash Avneel Kumar
7.24am	Long-Term Results of Subtalar Arthroereisis for Symptomatic Flexible Flatfoot in Pediatrics	Jou Hua Wang
7.30am	Innovative Achilles recovery: elevating non-surgical treatment	Laura Clarke
7.36am	Bone grafting for periprosthetic bone cysts following total ankle arthroplasty	Gun-woo Lee
7.42am	DISCUSSION	



E-Posters can be viewed in the exhibition throughout the duration of the conference.

PAEDIATRICS

M6

Friday 11th April 8.00am - 10.00am

8.00am	Demographics of Developmental Dysplasia Hip DDH in Pakistan. An evidence based audit of Paediatric Orthopaedic Registry of Pakistan (PORP).	Anisuddin Bhatti
8.06am	Does subtalar arthroereisis augments the effect of combined hemiepiphysiodesis in juvenile hallux valgus?	Chao-Yu Hsu
8.12am	3D Gait analysis of children with treated idiopathic Congenital Talipes Equinovarus following completion of Ponseti method of treatment.	Chasanal Rathod
8.18am	Comparison of Clinical Outcomes, Parental Anxiety and Surgeon Satisfaction During Outpatient Clinic versus Operating Room Setting for Achilles Tenotomy – A Randomized Control Trial	Karthick Rangasamy
8.24am	Novel technique of plastering for radial hemimelia with ponseti like principles and its effects on subsequent surgical management	Rujuta Mehta
8.30am	DISCUSSION	
8.40am	Acute Correction with Simultaneous Hemiepiphysiodesis of Lateral Proximal Tibia Physis; an Option to Prevent Recurrence in Neglected Infantile Blount's Disease	Faisal Miraj
8.46am	Artificial intelligence in the assessment of pediatric fractures using radiological methods: a systematic review	Gregorius Thomas Prasetyo
8.52am	Arthrogram Assisted Closed Reduction of Pediatric Lateral Condyle Humerus Fractures. A Prospective Cohort Study	Karthick Rangasamy
8.58am	Evaluation of Compensatory Rotational Gait Kinematics in Children with Pathological Genu Valgum	Chasanal Rathod
9.04am	Forefoot Supinatus with Metatarsus Primus Elevatus Following Subtalar Arthroereisis for Flexible Flatfoot in Children	Kuang yu Cheng
9.10am	DISCUSSION	
9.20am	Evaluating the Efficacy of ChatGBT in Guiding Paediatric Orthopaedic Urgencies	Muharrem Inan
9.26am	Analysis of Whole Limb Alignment in Pediatric flat foot	Sung-Taek Jung
9.32am	Precision and Aesthetic Optimization in Elbow Deformity Correction: Minimally Invasive Dome Osteotomy with Joystick technique	Sungmin Kim
9.38am	An analysis of psychological morbidity in parents of children with idiopathic congenital talipes equinovarus being treated at the clubfoot clinic of KGMU	Vikas Verma
9.44am	Comparison of Short-term Outcomes of Bernese Periacetabular Osteotomy in Adolescents, Young adults and Middle-aged Adults: A Minimum Two-year Follow-up	Yu-Hung Chen
9.50am	DISCUSSION	

Free Papers - Podium Presentations

TRAUMA

M5

Friday 11th April 7.00am - 10.00am

7.00am	Role of tranexamic acid apropos major orthopedic trauma surgery	Arun Kumar Sharma
7.06am	Development and Initial Validation of AI Generated Topological Heatmap of Femoral Outline on Fluoroscopy for Rotational Alignment during IM Nailing	Benson Chang
7.12am	Use of Staffordshire Orthopedic Reduction Machine (STORM) in reduction and stabilization of tibial fractures	Buland Thapa
7.18am	Different Types of Apple-bite fractures: A Case Series and our surgery algorithm sharing.	Chin Jung Hsu
7.24am	Comparison of the Cement Augmentation Nailing to Non-cement Augmentation Nailing in Proximal Femur fracture by Radiographic and Clinical Outcomes: one-year follow-up.	Chin Ping Lin
7.30am	Short Versus Long Proximal Femur Nail for Treatment of Intertrochanteric Femur Fractures	Devendra Acharya
7.36am	Nailing in segmental fractures of tibia shaft- Analysis of determinants of union	Divit Singh
7.42am	Arthroscopy-Assisted vs Traditional Open Reduction Internal Fixation for Shoulder Posterior Fracture-Dislocation: A Comparative Study of Clinical Outcomes	Hao Wei Chang
7.48am	Comparison of clinical efficacy between Reconstruction of the Superior Acromioclavicular Ligament with Acellular Dermal Allografts and Clavicular Hook plate in Acromioclavicular Dislocations	Hyojune Kim
7.54am	DISCUSSION	
8.02am	A retrospective cohort study: comparison of arthroscopy-assisted reduction and internal fixation (ARIF) versus open reduction and internal fixation (ORIF) and our surgery algorithm for glenoid fractures.	I-Hao Lin
8.08am	Management of Fracture- dislocation proximal humerus in the young patient: Lesson learned	Jabed Jahangir
8.14am	Outcome of Ilizarov External fixator for the treatment of gap non-uniting mid shaft Tibia-fibula fractures: Our experience	Mohammad Kamruzzaman
8.20am	Effects of Displaced Lesser Trochanteric Fracture on Performance and Functional Outcomes in Elderly Patients with Intertrochanteric Fractures: A Retro-Pro prospective Cohort Study	Napol Ratanasermsub
8.26am	Outcomes in Femoral Neck Fracture Patients Managed with Surgical Fixation Over 85 Years of Age	Justin Prendeville
8.32am	Neglected Trauma, Flap Coverage and Ilizarov: Limb salvage - A Revolution	Md Abdul Gani Gani Mollah
8.38am	Effect of Digital orthopedic technology assisted MIPPO in the treatment of proximal tibiofibular fracture	Meng Li
8.44am	Pattern of Casualties Attending In The Casualty Department of Mymensingh Medical College Hospital, Mymensingh, Bangladesh	Mohammad Kamruzzaman
8.50am	DISCUSSION	
8.58am	Evaluation of fragility fractures of the pelvis combined with proximal femoral fractures.	Jun-ya Kondo
9.04am	Comparison Of Traction Versus No Traction In Intertrochanteric Femur Fractures Pre-Operatively In Terms Of Pain Score	Junaid Khan
9.10am	Hip Strength in Elderly Hip Fractures: Intertrochanteric Versus Femoral Neck Fracture Patients - A Retrospective Study	Napol Ratanasermsub

TRAUMA (continued)

M5
Friday 11th April 7.00am - 10.00am

9.16am	Enhancing patient care through structured assessment of Supracondylar fractures: a quality improvement project at Holy Family Hospital, Rawalpindi Medical University	Rahman Rasool Akhtar
9.22am	Novel Combitherapy For The Management Of Soft Tissue Component In Open Injuries -The Stanley Protocol For Compound Injuries	Sathish
9.28am	Functional Outcome of Neglected Tibia Plateau Fracture Fixation: Our Experience from Tertiary Care Hospital in Low Socioeconomic Country	Syed Akmal Sultan
9.34am	Customized Method of Closed Reduction and Percutaneous Pinning for Intra-Articular Fractures Distal Radius for Early Return to Livelihood	Vidyadharan Anilkumar
9.40am	Efficacy and Safety of recombinant human Bone Morphogenetic Protein-2 (rhBMP-2) combined with Autologous Bone for the Treatment of Long Bone Nonunion: A Report of a Prospective Case Series.	Wonseok Choi
9.46am	Minimizing Missed Diagnoses of Tibial Plateau Fractures: The Role of AI in Radiographic Evaluation	Yu-Chieh Hung
9.52am	DISCUSSION	

Free Papers - Podium Presentations

SPINE

M5

Friday 11th April 1.30pm - 3.40pm

1.30pm	Global reconstruction in post tubercular kyphotic deformity: An analysis of 607 cases	Shah Alam
1.36pm	Evaluation of Traversing Nerve Root Injuries During Endoscopic Transforaminal Lumbar Interbody Fusion: Observation of traversing root via an accessory portal	Chun Tseng
1.42pm	Assessing Neurological Complications in Thoracic Three-Column Osteotomy: A Clinical Application of a Novel MRI-Based Classification Approach	Chen-Wei Yeh
1.48pm	Were the post-operative Halo-femoral traction and pre-operative Halo-gravity traction effective and safe for severe kyphoscoliosis with Type 3 spinal cord shape at apex	Cheng-Hung Chiang
1.54pm	Spinal endoscopic decompression versus Interspinous process device for lumbar spinal stenosis: mid-term results of a comparison study	Chiayu Lin
2.00pm	Surgical Safety Strategies for Cervical Kyphosis in Ankylosing Spondylitis Based on Modified C7 PSO	Tao Huiren
2.06pm	DISCUSSION	
2.14pm	Transformative Surgical Solutions for Adolescent Idiopathic Scoliosis: Achieving Optimal Outcomes with minimal instrumentation	Shah Alam
2.20pm	Comparing outcomes of conventional vs. muscle-preserving laminoplasty for cervical myelopathy in a 5-year follow-up study	Howard, Hao-wen Hao Chen
2.26pm	Spine Virtual Fracture Clinics	Julia Liew
2.32pm	Assessing Canal Clearance by Partial Corpectomy in Case of Thoracolumbar Burst Fractures Using a Novel Ct Based Area Metho	Kamran Farooque
2.38pm	Predicting Postoperative Improvement in JOABPEQ for Lumbar Spine Surgery Using Deep Learning	Koki Hosozawa
2.44pm	One-stage Posterior-only L5 Vertebral Column Resection for Spondyloptosis: Case Series	Yanzhe Wei
2.50pm	DISCUSSION	
2.58pm	The Impact of MRI-Measurable Muscle Parameters on Postoperative Outcomes in Spine Surgery	Kuang-Ting Yeh
3.04pm	Objective Functional Evaluations Following Endoscopic Spine Surgery: The Prospective Use of Smart Wearable Technology	Muhammad Rifki Alfajri
3.10pm	Accuracy of thoracolumbar pedicle screw insertion with routine intraoperative navigation: A 15-year case series	Pirateb Sundaram
3.16pm	Effect Of Vitamin-D Supplementation In Adults Presenting With Chronic Lower Back Pain	Rahman Rasool Akhtar
3.22pm	360 Fusion or Posterior Only Fusion in Degenerative Spondylolisthesis: A Comparative Study	Vinit Yadav
3.28pm	New surgical strategy for adult degenerative scoliosis: treat the driver, not the major curve	Yen-Jen Chen
3.34pm	DISCUSSION	

HIP (continued)

M6

Friday 11th April 1.30pm - 3.30pm

1.30pm	Assessment of vascularity of femoral head after different methods of fixation of intracapsular neck femur fracture by DSA	Snejuti Dipali Bera
1.36pm	The effect of implant, surgical and patient factors on the long-term wear of highly cross-linked polyethylene liners	Stuart Callary
1.42pm	Characterization of rapidly destructive coxopathy in its early stage	Tadashi Yasuda
1.48pm	Direct anterior versus anterolateral and posterolateral approaches to total hip replacement: comparative accuracy of acetabular implant placement and early clinical outcomes	Ying-Lin Chen
1.54pm	The Increasing Burden of Revision Arthroplasty on a Tertiary Referral Centre: Implications for resources, theatre and bed allocation	Bogdan Solomon
2.00pm	DISCUSSION	
2.10pm	Outcome of Fixation of Posterior Column of Acetabulum Through Stoppa Approach with Newer Technique: A Retrospective Study	Dharmendra Kumar
2.16pm	Neurovascular Deviations and Factors in Fused Hips: Implications for Hip Arthroplasty	Kyung-Soon Park
2.22pm	Infection vs Aseptic: A Cost-Analysis of Revision THA at a Tertiary Referral Centre	Lucian Bogdan Solomon
2.28pm	Total Hip Replacement in Sickle Cell Disease Patients with Avascular Necrosis of Head of Femur: A Retrospective Observational Study	Mohammed Lafi Al-Otaibi
2.34pm	Adopting Robotic Assisted Arthroplasty – a surgeon's journey	Nick Russell
2.40pm	DISCUSSION	
2.46pm	Reliability Analysis and Mid-term Follow-up Validation of Acetabular Bone Defect Classification Based on Key Point Fixation	Zanjing Zhai
2.52pm	Learning curve and short-term clinical outcomes of Mako robotic-assisted direct anterior approach total hip arthroplasty	Qi Wang
2.58pm	Factors contraindicating participation in self-directed rehabilitation following elective Total Hip Replacement: an e-Delphi study	Ben Glenwright
3.04pm	DISCUSSION	

Free Papers - Podium Presentations

RESEARCH, REGISTRIES OR GUIDELINES

M5

Friday 11th April 4.00pm - 6.00pm

4.00pm	Accuracy of Augmented Reality Head Mounted Device Assisted Pedicle Screw Placement in Lumbar Vertebrae of Goat Spine	Dhruv Maini
4.06pm	Enhancing Radiation Safety Culture: Investigating the Mediating Role of Awareness Among Orthopedic Doctors and Operation Theatre Assistants	Junaid Khan
4.12pm	Immersive Virtual Reality Simulation Training in Total Knee Arthroplasty and Transfer of Skills to Cadaver Dissection	Khairul Anwar Ayob
4.18pm	Enhanced Chemotaxis, Phagocytic and Osteoclast Precursor Characteristics of CD14++CD16- Monocytes in Response to Human Arthroplasty Revision Tissue: In vitro and In vivo Study	Krishnamurithy Genasan
4.24pm	DISCUSSION	
4.34pm	Adherence to clinical care standards is associated with reduced mortality following hip fracture	Lara A Harvey
4.40pm	Factors associated with poorer outcomes after hip fracture in patients with cognitive impairment	Morag E Taylor
4.46pm	A Novel Tilted-Plane Ergometer for Target-Specific Rehabilitation: Modifying Muscle Recruitment and Joint Dynamics	Seonghyun Kang
4.52pm	Epidural PRP Injection: An Alternative Treatment of Spinal Pain	Shahidul Islam
4.58pm	DISCUSSION	
5.08pm	Effect of COVID 19 pandemic induced lockdown on the epidemiology of paediatric orthopaedic trauma patients admitted to the trauma centre of KGMU	Vikas Verma
5.14pm	Development of novel local drug delivery system for prevention and treatment of osteomyelitis	Wei-Hsun Wang
5.20pm	Development and Validation of a Deep-Learning Model to Predict Total Hip Replacement on Radiographs	Yi Xu
5.26pm	Intra-articular injection of platelet-rich plasma attenuated anterior cruciate ligament transection-induced experimental osteoarthritis and nociception in rats	Yi-Chi Jean
5.32pm	DISCUSSION	

FOOT AND ANKLE (continued)

M6

Friday 11th April 4.00pm - 6.00pm

4.00pm	Fourth-generation bunionectomy learning effect	Meghan Dares
4.06pm	Radiological and functional outcome of talus fracture in local population: Our experience in govt tertiary care trauma center	Vickash Kumar
4.12pm	Use of Strut Allografts in Distal Tibial Oblique Osteotomy for Varus Ankle Osteoarthritis	Meng-Chun Tsai
4.18pm	Ilizarov Method in the Management of Peripheral Vascular Disease (PVD), Raynaud's Phenomenon and Diabetic foot ulcer: Exploring a Novel Approach for Treatment	Mofakhkharul Bari
4.24pm	Ankle fractures with Chaput fragment: A new classification system with insights into morphology, classification and Surgical management	Sandeep Patel
4.30pm	DISCUSSION	
4.40pm	Ilizarov in Charcot Arthropathy and Management of Diabetic Foot Ulcer (DFU) using Tibial Transverse Technique (TTT), Bangladesh Experience	Mofakhkharul Bari
4.46pm	Integrative multi-disciplinary model of care: a patient satisfaction perspective	Meghan Dares
4.52pm	Talar neck malunions – evaluation of kinematics, pedobarographic changes and patient reported outcome measures	Siddhartha Sharma
4.58pm	Clinical Outcomes of the Zadek Calcaneal Osteotomy for Insertional Achilles Tendinopathy in a Resource-Constrained Setting: A Case Series	Rizwan Haroon Rashid
5.04pm	Ankle Fusion Using the Ilizarov Method	Mofakhkharul Bari
5.10pm	DISCUSSION	
5.20pm	Clinical and radiological outcomes of Modified Mitchell osteotomy using three-point fixation and Akin osteotomy for Hallux Valgus	Sheng Pin Lo
5.26pm	Functional Outcome of Heel Pad Degloving Injuries	Rajesh Arora
5.32pm	What Do We Know About the Pathoanatomy of Talar Neck Malunions? Results From a 3D Morphometric Analysis	Siddhartha Sharma
5.38pm	Which surgical technique is more suitable for spear plate to correct hallux valgus ? comparative study between metatarsal shaft and distal metatarsal osteotomy.	Tzu Cheng Yang
5.44pm	Arthroscopic Approach for Talocalcaneal Coalitions with Meniscus Allograft Interpositional Arthroplasty: Case Series and Clinical Outcomes	Yu-Wen Huang
5.50pm	DISCUSSION	