

Australian Orthopaedic Association Western Australia



52nd WA
ANNUAL SCIENTIFIC MEETING

PROVISIONAL PROGRAM

**16 – 17 August 2024
PULLMAN RESORT, BUNKER BAY**

Scientific Program

Friday 16 August 2024

10.00 Registration

10.30 Welcome

Peter D'Alessandro

Session 1 – Trauma, Paediatrics, Biologics, Tumour

10.40	Does Far Cortical Locking Improve Fracture Healing in Distal Femur Fractures: A Randomised, Controlled, Prospective Multicentre Study	Thomas England (Markus Kuster)
10.50	Effect of Local Infiltrate vs Block on Theatre Efficiency and Post-Operative Pain: A Retrospective review of 523 cases	William Pangestu (Xiang Salim)
11.00	The Evolution of a Distal Femoral Hinge Prosthesis as told through the Forensic Analysis of Retrieved Components	Madeleine Jolley (M Pabbruwe)
11.10	A novel surgical procedure of peripheral nerve reinnervation into adipose tissue with synergistic nerve capping (PNRIa) for management of neuromas	Ming Hao Zeng
11.20	Development of PearlBone™ as bone substitute using Broome sourced Pearl Shells	Rui Ruan (Minghao Zheng)
11.30	Variable-Angle Plate Fixation of Displaced Patella Fractures: A Descriptive Study	Trong Nguyen (William Blakeney)
11.40	Selective Genicular Artery Embolization in the Management of Osteoarthritic Knee Pain — A Review	Stephanie O'Brien (William Blakeney)
11.50	Matching the molecular and morphological subtypes of osteosarcoma with clinical behaviour	David Wood
12.00	Investigating the evolving nature of orthopaedic oncological referrals at Fiona Stanley Hospital	Urpinder Grewal (Piers Yates)
12.10	Incidence, Demographics and Management of Severe Pelvic Fractures with Haemodynamic Instability at a Major Trauma Centre in Western Australia: A 10-Year Trauma Registry Analysis	Kyle Raubenheimer (William Blakeney)
12.20	Metropolitan versus Rural Outcomes of Slipped Capital Femoral Epiphysis in Western Australia	Salar Sobhi (Dror Maor)
12.30	ADAM12 and integrin protein coupling is involved in tumour-associated-extracellular matrix production and angiogenesis in telangiectatic osteosarcoma	David Wood
12.40	When is a Calcaneal Osteotomy needed with talocalcaneal Coalition takedown?	Shevanka Dias (Dror Maor)
12.50	A Randomised controlled trial of autologous tendon-cell injection versus surgery for treatment of severe chronic lateral epicondylitis	Allan Wang

1.00 Lunch

Session 2 – Spine, Foot & Ankle

2.00	Applying Lean Principles to introduce a new surgical technique to a hospital with an analysis of the surgeon and hospital learning curve: spinal endoscopy	Greg Cunningham
2.10	Feasibility of T2*Weighted Imaging in identifying tissue variations in lumbar herniated discs, as classified in the Michigan State University (MSU) Classification system	Alana Celenza (Greg Cunningham)
2.20	Robotic assisted pedicle screw placement in spinal surgery: A safety analysis and technical note from the first patients treated in WA	Grant Kingston (Greg Cunningham)
2.30	OATS as a treatment for talar osteochondral lesions	Shevanka Dias (Dror Maor)
2.40	Return to sport after first metatarsophalangeal arthrodesis in elite athletes	Salar Sobhi (Dror Maor)
2.50	Evaluation of Material Loss in 64 Total Ankle Replacements: Findings from Retrieval Analysis in the UK and Australia	Madeleine Jolley (Moreica Pabbruwe)
3.00	A novel technique for bone deformity correction using a modified PEEK cage	Siddarth Narula (Greg Cunningham)
3.10	A Novel Minimally Invasive Sacroiliac Joint Fusion Technique – Surgical Technique and Case Series	Kieran Bochat (Greg Cunningham)
3.20	Afternoon Tea	

Session 3 – Sports Surgery & Joint Preservation

3.50	Real world use of CT-based personalised instrumentation for osteotomy around the knee accurately controls coronal correction. Results from a prospective non-designer multi-centre case series	Jonathan Coward (Peter D'Alessandro)
4.00	A randomized controlled trial evaluating an accelerated weight-bearing rehabilitation pathway after matrix-induced autologous chondrocyte implantation for symptomatic knee cartilage defects	Jay Ebert (Greg Janes)
4.10	Outcome after Meniscus Allograft- and simultaneous Cartilage transplantation	Rainer Siebold (Guest Speaker)
4.20	Modern multi-ligament knee injury surgical reconstruction techniques can achieve excellent knee function and patient satisfaction, with low complication rates	Jo McEwan (Peter D'Alessandro)
4.30	Sex-based differences in physical and psychological recovery, and return to sport, following anterior cruciate ligament reconstruction	Jay Ebert (Peter D'Alessandro)
4.40	Mid-to Longterm outcome after repair of large bucket handle tears (posterior horn plus pars intermedia)	Maja Siebold (Rainer Siebold)
4.50	Single Hamstring Tendon Graft using Suspensory Adjustable Button Fixation for ACL Reconstruction Results in Significantly Lower MRI Graft Signal at both 6 and 12 months: Results from a Subgroup of the DOSTAR Randomised Controlled Trial	Stephanie O'Brien (Peter D'Alessandro)
5.00	THE GREAT GENERATIONAL DEBATE – Training was / is better in our day Speakers – Dermot Collopy & Simon Zilko, Madi Jolley & Ben Levy	

Scientific Program

Saturday 17 August 2024

8.00 Welcome to Day 2 Peter D'Alessandro

Session 4 – Hand & Upper Limb

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| 8.10 | Short- and long-term complications and grip strength after total wrist fusion with and without inclusion of the third carpometacarpal joint: A systematic review and meta-analysis | Annora Kumar
(Matt Lawson-Smith) |
| 8.20 | Modelling XLPE vs non-XLPE glenoid revision rates for anatomic shoulder arthroplasty in osteoarthritis including differing polyethylene glenoid fixation designs | David Gill |
| 8.30 | Effects of Suture Configuration in Pull Out Strength of Acellular Human Dermal Matrix Patch used for Rotator Cuff Repair Augmentation | Leonard Song
(William Blakeney) |
| 8.40 | Extensor pollicis longus tendon rupture following operative and non-operative distal radius fracture | Alexa Prawdiuk
(Matt Lawson-Smith) |
| 8.50 | Small Gets Smaller: Minimally Invasive Small Joint Fusion of the Finger and Thumb | Nikola Golijanin
(Matt Lawson-Smith) |
| 9.00 | Does Bioinductive collagen patch augmentation of high grade partial thickness rotator cuff tears improve functional recovery compared to standard arthroscopic repair?
A Multicentre Randomised Controlled Trial | Allan Wang |
| 9.10 | How Accurate is Pre-Operative Imaging in Identifying Stener Lesions | Matthew Goonatillake
(Matt Lawson-Smith) |
| 9.20 | Simple Elbow Dislocations – Scientific Outcomes: Preliminary Data | Aarohan
Raguragavan
(Andrew Mattin) |
| 9.30 | A biomechanical comparison of carpometacarpal joint spanning and sparing wrist fusion plates. | Rebecca Rogers
(Matt Lawson-Smith) |
| 9.40 | Clinical Outcomes of Patients with Osteochondral Defects Secondary to Patella Dislocation: A Comparative Study | John Scanlon
(Peter D'Alessandro) |

9.50 Morning Tea

Session 5 – Arthroplasty

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| 10.20 | Revision of Unicompartmental Knee Replacement can achieve equivalent outcomes to primary Total Knee Replacement when revised for confirmed pathology | Thomas Christiner
(Simon Smith) |
| 10.30 | Manipulation under Anaesthetic: Rates, outcomes, and risk factors following robotic-assisted Total knee arthroplasty | Dermot Collopy |
| 10.40 | Patient And Implant Factors That Impact Performance Of Total Knee Arthroplasty: A Comprehensive Analysis Of 1,157 Retrieved Devices | Moreica Pabbruwe |

10.50	Patient-reported quality of life following peri-prosthetic joint infection of the hip and knee: a longitudinal, prospective observational study using Short-Form 12 (version 2) questionnaires	Urpinder Grewal (Piers Yates)
11.00	A critical review of current UHMWPEs for knee prosthesis: the effect of polymer specification, manufacturing methods and patient demographics on success or failure	Alan Kop
11.10	Outcomes of an anatomically designed total knee arthroplasty system with and without patellar resurfacing	Georgina Waters (Piers Yates)
11.20	Project Zero: Improving Length of Stay for Arthroplasty Patients in Regional WA	Ahmed Kandil (Tim Fletcher)
11.30	Pre-operative and Early Post Operative Oxford Scores as a Predictive Tool for Outcomes in Total Knee and Total Hip Arthroplasty	Kirsten Boyd (Piers Yates)
11.40	Outcomes of custom 3D-printed glenoid components when compared to standard implants in primary and revision reverse total shoulder arthroplasty: Analysis from the Australian Orthopaedic Association National Joint Replacement Registry	Megan Banks (William Blakeney)
11.50	Radiological and Retrieval Analysis of Aseptic Loosening in the Corail Femoral Stem	Reuben Jeyaraj (Mark Hurworth)
12.00	Obesity Results is Associated with Higher Rates of Revision Following UKA: Data from AOANJRR	John Scanlon (Murilo A. Leie)
12.10	A Prospective Multi-Center Trial of OR30™ Dual Mobility system in primary Total Hip Replacement	Yew May Wong (William Blakeney)
12.20	Early aseptic loosening and inferior patient-reported outcomes of a cementless tibial base plate in a modern design of total knee arthroplasty	Joseph Henry (Piers Yates)
12.30	Conclusion of Meeting & Presentation of HMH Prize	Peter D'Alessandro
12.35	Break – Non-Members may retire	
12.45	AOA Presidential Address	Michael Johnson
1.00	RACS Presidential Address	Kerin Fielding
1.15	Joint RACS/AOA Session	Kerin Fielding & Michael Johnson
1.30	WA Annual General Meeting	Nicole Leeks
2.00	Lunch	

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