Australian Orthopaedic Association
WA Regional Branch

FIFTY FIRST
ANNUAL SCIENTIFIC MEETING

19 & 20 August 2022
Crown Towers, Perth
<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1: Hips &amp; Spines</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>10.30 am</td>
<td>Registration &amp; Welcome</td>
<td>Gareth Prosser</td>
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<tr>
<td>10.40</td>
<td>Survivorship and Clinical Outcomes of Constrained Acetabular Liners in Primary and Revision Total Hip Arthroplasty: A Systematic Review</td>
<td>Fabio Mancino (Christopher W Jones)</td>
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<tr>
<td>10.50</td>
<td>Genetic testing to predict the development of metal allergies following joint replacement</td>
<td>Moreica Pabbruwe</td>
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<td>11.00</td>
<td>Lower revision rates and higher stability with the monoblock ceramic (DeltaMotion) acetabular cup. An analysis of 417, 395 Primary Total Hip Arthroplasties</td>
<td>Loïc Vercruysse (Lachlan Milne)</td>
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<td>11.10</td>
<td>Pregnancy and Total Hip Replacement: A Review</td>
<td>Lily Garcia (Thomas Bucher)</td>
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<td>11.20</td>
<td>Royal Perth Hospital Hip Spacer: 25 years’ experience treating infections in Western Australia</td>
<td>Moreica Pabbruwe</td>
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<td>11.30</td>
<td>The effect of varying levels of uncinatectomy in cervical total disc replacement on range of motion at mid-term follow-up</td>
<td>Grant Kingston (Greg Cunningham)</td>
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<td>11.40</td>
<td>First long-term follow-up results on wear-induced osteolysis following cervical total disc replacement using the M6-C™ Artificial Cervical Disc</td>
<td>Sonja Haeckel (Greg Cunningham)</td>
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<td>11.50</td>
<td>Surgical and patient-reported outcomes support Anterior Lumbar Interbody Fusion for treatment of low back pain</td>
<td>Kieran Bochat (Greg Cunningham)</td>
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<tr>
<td>12.00</td>
<td>Halo vest immobilisation for subaxial cervical spine injuries: A retrospective case series</td>
<td>Andrew Berg (Peter Woodland)</td>
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<td>12.10</td>
<td>Utility of adjunct MRI scanning in cervical spine clearance in obtunded trauma patients: a retrospective analysis</td>
<td>Farhaan Altaf</td>
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<td>12.20</td>
<td>Bipolar growing implant for neuromuscular scoliosis: Early experience in Western Australia</td>
<td>Andrew Berg (Peter Woodland)</td>
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<td>12.30 – 1.30</td>
<td>Lunch</td>
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<tr>
<td>1.30</td>
<td>MAKO Robotic-Assisted TKA Accurately Predicts Final Balance Prior to Bony Resection</td>
<td>Matthew Goonatillake (Gavin Clark)</td>
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<tr>
<td>1.40</td>
<td>Are rural patients impacted by access to emerging technology? Accuracy of Patient-specific instrumentation for kinematic elective knee replacements</td>
<td>Shashi Pantula (Aman Singh)</td>
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Session 2: Knee Arthroplasty
1.50 Functionally aligned total knee arthroplasty restores native medial pivot more frequently than mechanically aligned total knee arthroplasty – a prospective randomised trial

Gavin Clark

2.00 Application of Bone Cement Directly to the Implant in Primary Knee Arthroplasty. Radiological and clinical follow-up of two different cementing techniques

Lukas Holzer
(Piers J. Yates)

2.10 Functional Alignment in TKA. The Effect of individual knee phenotype (CPAK type) on alignment and 2-year outcomes

Melanie Marley
(Gavin Clark)

2.20 Project Zero: Living with Covid by moving towards Day Zero Discharge for Joint Replacement Surgery

Riza Gultekin
(Allen Chong)

2.30 Functionally aligned total knee arthroplasty achieves equivalent clinical outcomes to medial unicompartmental knee arthroplasty at two years post surgery - a case matched series

Gavin Clark

2.40 A prospective clinical and radiological evaluation comparing old and new tibial baseplate designs in the Attune® Posterior-Stabilised Rotating-Platform (PS RP) total knee arthroplasty

Salar Sobhi
(Piers Yates)

2.50 Post-operative use of Game ReadyTM cryocompression system following total knee arthroplasty – a prospective randomised controlled trial

Mira Marinova
(Ross Radic)

3.00 Interesting cases received at the retrieval Lab: an overview

Moreica Pabbruwe

3.10 What Constitutes Mal-Alignment in Modern Day Total Knee Arthroplasty

Dermot Collopy

3.25 – 3.55 Afternoon Tea

Session 3: Shoulder & Tumour

3.55 A comparison of revision rates for stemmed and stemless primary anatomic shoulder arthroplasty with all Polyethylene Glenoid components. Analysis from the Australian Orthopaedic Association National Joint Replacement Registry

David Gill

4.05 Cementless Reverse Shoulder Arthroplasty for Proximal Humerus Fractures - Is it a Valid Option?

Kyle Raubenheimer
(William Blakeney)

4.15 Version of the glenoid and humerus – is there a normal value that describes a “combined version” for the shoulder? A CT based rotational profiling of the glenohumeral joint

Ellen Hockley
(Travis Falconer)

4.25 Intraoperative Evaluation of Joint Load Magnitudes using a Novel Humeral Trial Sensor in Reverse Total Shoulder Arthroplasty

Ashton May
(Allan Wang)

4.35 Upper limb performance and neuromuscular asymmetries in Australian Rules Footballers following shoulder stabilisation surgery

Peter Edwards
(Peter D'Alessandro)

4.45 Coracoclavicular ligament reconstruction (CCLR) versus hook plate fixation for displaced distal clavicle fractures: A systematic review and meta-analysis

Ashley Simpson
(Pete D'Alessandro)
4.55  Anatomical acromioclavicular joint reconstruction with a suspensory tensionable fixation providing multiplanar stability  
Rory Smith  
(Travis Falconer)

5.05  A randomised controlled trial of autologous tenocyte versus corticosteroid injection for interstitial rotator cuff tear and impingement syndrome  
Jay Ebert  
(Allan Wang)

5.15  Clinical Practice Guidelines for Management of Sarcoma: Does surgery at specialised sarcoma centre improve outcomes?  
Richard Carey-Smith

5.25  Silver-coated custom components for acetabular and hemipelvis reconstruction mitigate infection risk without compromising bone growth  
Abay Sundaram  
(Richard Carey-Smith)

5.35  Silver-coated megaprostheses in reconstruction for Orthopaedic Oncology and bone loss  
Abay Sundaram  
(Richard Carey-Smith)

5.45  End of Day 1

6.00  Cocktail Event, TWR Crown Towers

**Saturday 20 August 2022**

**Session 4: Sports Knee**

8.30  Lower Limb Performance and Biomechanical Asymmetries Patients Following Anterior Cruciate Ligament Reconstruction  
Nicholas Blackah  
(Ross Radic)

8.40  A randomized controlled trial comparing hamstring tendon versus quadriceps tendon autograft in anterior cruciate ligament reconstruction  
Jay Ebert  
(Ross Radic)

8.50  Early results from the DOSTAR study: A double blinded, randomised controlled trial comparing dual or single hamstring tendon Anterior Cruciate Ligament reconstruction  
Adam Lawless  
(Peter D'Alessandro)

9.00  Isolated Lateral Extra-articular Tenodesis (LET) for chronic rotational instability following Anterior Cruciate Ligament (ACL) reconstruction has low surgical morbidity and improves knee stability  
Cameron Muirhead  
(Peter D'Alessandro)

9.10  Potential Use of Cross-linking agents for Enhancement of Autologous and Allogenic grafts in Anterior Cruciate Ligament Reconstruction  
James Wong  
(Minghao Zheng)

9.20  Anterior cruciate ligament reconstruction using autologous hamstrings augmented with FibreTape demonstrates good clinical scores, no evidence of graft laxity, a high return to sport rate and a low re-injury rate  
Jay Ebert  
(Peter Annear)

9.30  Demographics, treatment characteristics and outcomes of 147 consecutive Multi Ligament Knee Injuries undergoing surgical reconstruction: An analysis of patients presenting to a tertiary institution housing the State Trauma Unit and Perth Orthopaedics and Sports Medicine Centre  
Mark Ibraheem  
(Ross Radic)
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<tr>
<th>Time</th>
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<th>Title</th>
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<tr>
<td>9.40</td>
<td></td>
<td>Combined Acute Quadriceps Tendon Medial Patellofemoral Ligament (MPFL) Reconstruction with Fragment Fixation achieves Good Outcomes for Patients with Chondral Defects Secondary to Patella Dislocation</td>
<td>Ashley Simpson (Pete D'Alessandro, Sat Gohil)</td>
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<td>9.50</td>
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<td>Early experience with fresh osteochondral allograft transplantation for treatment of large osteochondral defects of the knee</td>
<td>Eleanor Houghton (Ross Radic)</td>
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<td>The Tibial Tubercle Apophysis: A Radiological study</td>
<td>Lily Garcia (Peter Annear)</td>
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<td>10.10</td>
<td>Morning Tea</td>
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<td>10.40</td>
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<td>Study of Hamate Fractures in a Single Tertiary Hands Unit</td>
<td>Rebecca Berardelli (Matthew Lawson Smith)</td>
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<td>Ultrasound findings in patients with pain following Carpal Tunnel Decompression</td>
<td>Rebecca Morrell (Matthew Lawson-Smith)</td>
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<td>11.00</td>
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<td>A Retrospective Case Series Looking at Hindfoot Nailing in Geriatric Ankle Trauma</td>
<td>Arnout Faveere (Dror Maor; James Larkin)</td>
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<td>11.10</td>
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<td>The Impact of Weight-bearing on Ankle Fracture Outcomes in Older Patients</td>
<td>Mira Marinova (Chris Jones)</td>
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<td>11.20</td>
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<td>The effectiveness of current measurement systems in Orthopaedics - why a better system of measurement is required to guide management, and a novel proposal for measurement-guided management.</td>
<td>Mark Hurworth</td>
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<td>Laboratory Analysis of Insertional Damage in Proximal Femoral Nails</td>
<td>Anton Lambers (Piers Yates)</td>
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<td>Developing a Virtual Reality Orthopaedic Training Hub - Feasibility and Utility Results</td>
<td>Anton Lambers</td>
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<td>Outcomes of the PHARRLAP Study: A Prospective Randomised Controlled Trial Assessing Traditional versus Accelerated Rehabilitation Regimes following Proximal Hamstring Repair</td>
<td>Steven Cecchi (Peter D’Alessandro)</td>
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<td>12.00</td>
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<td>Presidential Address</td>
<td>Annette Holian</td>
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<td>12.30</td>
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<td>Annual General Meeting (Members Only)</td>
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<td>Lunch</td>
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<td>6.30</td>
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<td>Conference Dinner – Optus Stadium</td>
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Session 5: General