



PER ARDUA AD ASTRA
Through Adversity to the Stars

81st AOA ASM – VIRTUAL
8–10 November 2021
aoa.org.au/asm

SCIENTIFIC PROGRAM



SPONSOR ENGAGEMENT ROOM

MONDAY 8 NOVEMBER 2021



DEPUY SYNTHES PREMIER SPONSOR	MATORTHO PLATINUM SPONSOR	STRYKER PLATINUM SPONSOR	ZIMMER PLATINUM SPONSOR
<p>8.00AM</p> <p>Posterior Cervical Fixation Ending in the Midthoracic Spine: Excessive, or Just the New Normal?</p> <p>Facilitator – Prof Chris Ames: Addressing Complex Cervical Pathologies</p>		<p>8.00AM</p> <p>Title: Mako Total Hip with Functional Features – Enhanced Workflow Overview: A step-by-step surgical guide of a Mako THA procedure from pre-op planning to final assessment.</p> <p>Presenter – Dr Bill Donnelly</p>	<p>8.00AM</p> <p>Prosthesis optimisation and bone preservation in RSA.</p> <p>Facilitators David Brezzo and Sheridan Squires</p>
<p>12.30PM</p> <p>A Simple Hip-Spine Classification for THA</p> <p>Facilitator Dr Jon Vigdorichik: Inclination and Anteversion Targets in THA According to Four Categories of Hip-Spine Classification</p>	<p>12.30PM</p> <p>Session 1: The History of Resurfacing Arthroplasty and the Data Supporting Innovation Key Note Lecture: The History of ADEPT® Resurfacing PSI for Femoral Guidewire Placement in Hip Resurfacing</p> <p>Facilitators – Mike Tuke and Gareth Prosser</p>	<p>12.30PM</p> <p>Title: Mako Total Hip with Functional Features – Enhanced Workflow Overview: A step-by-step surgical guide of a Mako THA procedure from pre-op planning to final assessment.</p> <p>Presenter – Dr Bill Donnelly</p>	<p>12.30PM</p> <p>Intellijoint Hip – Fast, Easy, Accurate.</p> <p>Facilitators Lachie Hart and Andrew Strain</p>
<p>2.30PM</p> <p>What is the Most Impactful Factor in Determining Optimal ROM in Reverse Shoulder Arthroplasty?</p> <p>Panel Discussion on ROM in rTSA; the Role of Glenosphere Lateralisation, Size, Eccentricity, and Polyethylene Constraint</p>	<p>2.30PM</p> <p>Session 2: Indications and Functional Outcomes for Hip Resurfacing Arthroplasty My Indications for Hip Resurfacing Functional Outcomes after Hip Resurfacing – PROMS</p> <p>Facilitators – Piers Yates and Laurie Kohen</p>	<p>2.30PM</p> <p>Title: Mako Total Hip with Functional Features – Enhanced Workflow Overview: A step-by-step surgical guide of a Mako THA procedure from pre-op planning to final assessment.</p> <p>Presenter – Dr Bill Donnelly</p>	<p>2.30PM</p> <p>Prosthesis optimisation and bone preservation in RSA.</p> <p>Facilitators David Brezzo and Sheridan Squires</p>
<p>4.30PM</p> <p>Acetabular Component Placement in Primary THA</p> <p>Facilitators Prof Henrik Malchau: Patient and Surgical Factors in Relation to Acetabular Component Placement in THA</p>	<p>4.30PM</p> <p>Session 3: Innovation and Application – The Future Development of a CoC Hip Resurfacing Arthroplasty Global use and Data for ReCerf® Ceramic Hip Resurfacing</p> <p>Facilitators Paul Beaulé, Andrew Manktelow and Bill Walter</p>	<p>4.30PM</p> <p>Title: Mako Total Hip with Functional Features – Enhanced Workflow Overview: A step-by-step surgical guide of a Mako THA procedure from pre-op planning to final assessment.</p> <p>Presenter – Dr Bill Donnelly</p>	<p>4.30PM</p> <p>Intellijoint Hip – Fast, Easy, Accurate.</p> <p>Facilitators Lachie Hart and Andrew Strain</p>

MONDAY 8 NOVEMBER

8.00AM–8.30AM SPONSOR ENGAGEMENT

SESSION 1 8.30AM–11.00AM

ARTHROPLASTY Moderators – Michael Solomon and Bill Walter	SHOULDER AND ELBOW ROTATOR CUFF Moderator – Greg Hoy	SPINE FREE PAPERS Moderator – Matthew Scott Young	GENERAL RESEARCH Moderators – Jennifer Green and Sam Adie
8.30AM Change in preoperative pelvic position in total hip arthroplasty patients through functional range of motion. Thomas Donnelly (William Donnelly)	8.30AM Rotator cuff – natural history, RC healing and biologics. Allan Wang	8.30AM INTRODUCTION Matthew Scott Young	8.30AM A meta-epidemiological study assessing the magnitude of non-specific and placebo effects in surgical trials. Sam Adie
8.38AM Early results of the Corin Optimized Positioning System (OPS™): a registry analysis of 1728 THA patients. Jonathan Baré	8.45AM Rotator cuff repair – which RCT to repair? What parameters drive our decisions. Geoff Smith	8.45AM The readability of the online spinal surgery patient education material: can Australians understand the resources offered by our key surgical institutions? Michael Erian (David Nielsen)	8.37AM Has the reporting quality of published randomised controlled trial protocols improved since the SPIRIT statement? A methodological study. Aidan Tan (Sam Adie)
8.46AM Does preoperative spinopelvic alignment change postoperatively following total hip arthroplasty? Ryan Beattie (Bill Donnelly)	9.00AM Complications of rotator cuff surgery and how to manage. Richard Dallalana	8.55AM Early experience using novel machine vision spine navigation system to map intraoperative spinal changes in posterior spinal fusion. John Cunningham	8.44AM Orthopaedic research productivity – how do we measure up? Nicholas Croker (Zsolt J. Balogh)
8.54AM Internal femoral rotation and anterior pelvic tilt in the flexed seated position: co-incidence and functional consequences. Kaushik Hazratwala	9.15AM DISCUSSION	9.05AM The use of minimally invasive interspinous process devices for the treatment of lumbar canal stenosis: a narrative literature review. James Onggo (Aaron Buckland)	8.51AM Use of an Artificial Intelligence Conversational Agent (Chatbot) for hip arthroscopy patients. Tim Dwyer
9.02AM Is the accuracy of freehand cup placement adequate in patients with adverse spinopelvic mobility? Michael Solomon (Jim Pierrepont)	9.30AM–10.10AM CASE CONFERENCE ON ROTATOR CUFF DISEASE PANEL: Greg Hoy, Sindy Vrancic, Fraser Taylor, Geoff Smith, Richard Dallalana, Jeff Hughes	9.15AM DISCUSSION	8.58AM The use of activity trackers in orthopaedic practice and research. Christina Ekegren (Elton Edwards)

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9.10AM Improving acetabular component positioning in total hip arthroplasty: a cadaveric study of an inertial navigation tool and a novel registration method. Matthew Lyons	10.10AM The efficacy of topical preparations in the reducing the incidence of Cutibacterium Acnes at the start and conclusion of total shoulder arthroplasty. Tristan Symonds (Levi Morse)	9.25AM GUEST SPEAKER Degenerate-disc infection study with contaminant control (DISC): a multicentre prospective case-control trial. Prashanth Rao	9.05AM DISCUSSION
9.18AM DISCUSSION	10.16AM Injection of bone marrow aspirate (BMA) for glenohumeral joint osteoarthritis: a pilot randomized control trial. Tim Dwyer	9.40AM DISCUSSION	EDUCATION Moderators – Jennifer Green and Sam Adie
9.30AM The relaxed-seated position does not evaluate a patient's full spinopelvic mobility when planning total hip arthroplasty. Andrew Shimmin	10.22AM Glenoid bone grafting in reverse shoulder arthroplasty: a review and novel classification system. Owain Critchley (Richard Page)	9.50AM GUEST SPEAKER Intradiscal therapeutics for degenerative disc disease. Ashish Diwan	9.12AM Open book/announced audit improves performance of the Surgical Safety Checklist compared to a blind/unannounced audit. Results from the Epworth Surgical Checklist Project. Minoo Patel
9.38AM High prevalence of spinopelvic risk factors in patients with postoperative hip dislocations. Andrew Shimmin	10.28AM Primary inlay reverse shoulder arthroplasty has a higher rate of revision than onlay reverse shoulder arthroplasty. Analysis from the Australian National Joint Replacement Registry. David Gill	10.05AM DISCUSSION	9.20AM Experiences of pregnancy in orthopaedics and occupational hazards. Lily Garcia (Nicole Williams)
9.46AM Comparable dislocation and revision rates for patients undergoing total hip arthroplasty with subsequent or prior lumbar spinal fusion: a meta-analysis and systematic review. James Onggo (Raphael Hau)	10.34AM Total shoulder arthroplasty stems in osteoarthritis – short, long or reverse? An analysis of the impact of cross-linked polyethylene. Michael Sandow	10.15AM GUEST SPEAKER Spine Fellowship – a Fellow's perspective. Matthew Rackham	9.27AM Australian trainee perspectives on informed consent for surgical procedures: confidence does not equate to best practice. Jodie Atkin (Ian Incoll)
9.54AM Bony impingement after total hip arthroplasty is more common and likely a greater dislocation risk than prosthetic impingement. William Donnelly	10.40AM DISCUSSION	10.30AM DISCUSSION	9.34AM Prevention of domestic violence – what is the role of the orthopaedic surgeon? Jennifer Green

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ARTHROPLASTY Moderators – Michael Solomon and Bill Walter	SHOULDER AND ELBOW FREE PAPERS Moderator – Fraser Taylor	SPINE GENERAL Moderator – Matthew Scott Young	GENERAL EDUCATION Moderators – Jennifer Green and Sam Adie
10.02AM Prosthetic impingement risk factors and impact on patient outcomes in hip resurfacing arthroplasty. David Shen (Bill Walter)		10.40AM GUEST SPEAKER Gait analysis using wearable sensors for pre and post intervention disability and outcomes assessment. Ralph Mobbs	9.41AM Why is there an imperative for diversity in orthopaedics? Jennifer Green
10.10AM The impact of functional combined anteversion on hip range-of-motion: a new optimal zone to reduce risk of impingement in total hip arthroplasty. Patrick O'Connor (Bill Donnelly)		10.55AM DISCUSSION	9.48AM DISCUSSION
10.18AM DISCUSSION			SPORTS Moderators – Jennifer Green and Sam Adie
10.30AM Tripolar constrained and dual mobility liners are both successful when cemented into tantalum acetabular revision shells in complex revision total hip arthroplasty. Neil Bergman			9.55AM Multi-centre randomised controlled trial comparing arthroscopic hip surgery to physiotherapist-led care for femoroacetabular impingement (FAI) syndrome: the Australian FASHIoN trial. John O'Donnell
10.38AM CT measured acetabular bone density following total hip arthroplasty: a scoping review and meta-analysis. Thomas Robertson (Bogdan Solomon)			10.03AM Biomechanical evaluation of the ligamentum teres: it is more important than we thought. John O'Donnell
10.46AM Arthroscopic tendon release for iliopsoas impingement after total hip arthroplasty. Michael Finsterwald (Peter D'Alessandro)			10.10AM Moderators and mediators of the effect of hip arthroscopy and physiotherapy on symptoms in femoroacetabular impingement syndrome (FAIS): exploratory analyses from the Australian FASHIoN trial. Nicholas Murphy (John O'Donnell)

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10.54AM DISCUSSION			10.17AM Multi-ligament knee reconstruction in the South Metropolitan Health Service of Western Australia: a prospective assessment of surgical and functional outcomes. Robert Evans (Peter D'Alessandro)
			10.24AM The use of the ligament augmentation and reconstruction system for posterior cruciate ligament reconstruction in isolated and multiligament knee injuries: a systematic review. Laura McDonald (Sam Joseph)
			10.31AM Mid-term clinical and radiological outcomes following arthroscopic microfracture of the glenohumeral joint for chondral defects. Sam Hookway (Richard Page)
			10.38AM DISCUSSION

SESSION 2 11.00AM–12.30PM

OPENING CEREMONY

FEATURING KEY NOTE PRESENTERS

Hon. Greg Hunt – MP Minister for Health and Aged Care
Josephine Sukkar – Chair of Sport Australia

12.30PM–1.00PM **BREAK – SPONSOR ENGAGEMENT**

Proud to be Premier Sponsor at the 81st AOA ASM 8 – 10th Nov 2021

Visit our virtual booth in the foyer and attend our
surgeon led sessions:

**What is the most impactful factor in determining
optimal ROM in reverse shoulder arthroplasty?**
Surgeon Panel

**The Problem with Fixed Bearing Revision Knee
Replacements** Presentation by Prof Piers Yates

**Modifiable Risk Factors in Primary THA – Dislocation
& Instability** Presentation & Q&A with Prof Bill Walter

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MONDAY 8 NOVEMBER

SESSION 3 1.00PM–2.30PM

ARTHROPLASTY Moderator – Neil Bergman	SHOULDER AND ELBOW FREE PAPERS Moderator – Matt Evans	APOA APOA SYMPOSIUM ON VIRTUAL ORTHOPAEDIC EDUCATION, TRAINING AND EXAMINATION Moderators – Annette Holian, Graham Mercer and Andreas Loeffler	GENERAL Moderators – Richard Page and Ian Harris
1.00PM Bipolar hemiarthroplasty does not result in a higher risk of revision compared to total hip arthroplasty for displaced femoral neck fractures: an instrumental variable analysis of 36,188 procedures from the Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR). John Farey (Ian Harris)	1.00PM A 3-arm randomised clinical trial comparing the efficacy of three regional anaesthesia techniques in shoulder arthroscopy. Sarah Brereton (Levi Morse)	1.00PM Introduction and overview. Ted Mah	1.00PM Patient reported outcomes after joint replacement: results from a large national registry. Emma Heath (Ian Harris)
1.08PM Dual mobility cup versus conventional total hip arthroplasty for femoral neck fractures: an international multi-registry study. John Farey (Ian Harris)	1.06PM Operative management of an extra-lateral distal clavicle fracture pattern: a study of 48 patients and a proposed update to the modified Neer classification. Gavin Levy (David Duckworth)	1.05PM Local experience in Australian Orthopaedic Association – what have we learn? Sue Liew	1.07PM Between-hospital and between-surgeon variation in thresholds for hip and knee replacement. Carl Holder (Ian Harris)
1.16PM Dual mobility articulations in patients with unfavourable spinopelvic characteristics. Andrew Shimmin	1.12PM Surgical technique and clinical outcome for acute and chronic ACJ dislocations. Using LARS artificial ligament – superior suspensory ligament complex reconstruction. Ashish Gupta	1.15PM Philippine experience – what works and what don't? Jose Maria Coruna	1.14PM Has the reporting of patient-important outcomes improved in surgical trials? A meta-epidemiological study. Rahul Menon (Sam Adie)
1.24PM Should femoral head size increase with acetabular component size in total hip arthroplasty (THA)? James Stoney	1.18PM The natural history of inferior angle of scapula fractures. Angela Chang Alder-Price	1.25PM Dealing with the problem and solutions – Malaysian way. David Choon	1.21PM Health effects of a low-inflammatory diet in adults with arthritis: a systematic review and meta-analysis. Furkan Genel (Sam Adie)
1.32PM Does THA with high hip centre in hip dysplasia compromise acetabular bone stock? Stephen McMahon	1.24PM Locked posterior fracture-dislocation of the shoulder: a case series of 6 patients. Kristen Thompson (Timothy Yeoh)	1.35PM Challenges of virtual education and training in India. Ramesh Kumar	1.28PM Participant recruitment and attrition in surgical randomised trials with placebo-controls versus other-controls: a meta-epidemiological study. Pragadesh Natarajan (Sam Adie)

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1.40PM DISCUSSION	1.30PM Successful implementation of a physiotherapist led orthopaedic shoulder clinic pathway for Shoulder and Elbow Triage/ and Assessment. The SHELTA Study. Milos Spasojevic (Terence Moopanar)	1.45PM Current status in Korea. InHo Jeon	1.35PM An unbiased gene expression analysis of the delayed fracture healing observed in Zucker diabetic fatty (ZDF) rats. Jonghoo Sung (Peter J. Smitham)
1.48PM Axial kinematics of the hip and functional femoral version: considerations for stem version targets in THA. Kunaal Kacker (Jit Balakumar)	1.36PM DISCUSSION	1.55PM SICOT experience – issues and resolutions. Ashok Johari (India)	1.42PM DISCUSSION
1.56PM Functional navigation in hip resurfacing. Georgina Waters (Piers Yates)	2.00PM Anatomical concave surface area (ACSA) method of glenoid bone loss quantification for shoulder instability: 3D determination for Bankart vs Latarjet Procedure. Ashish Gupta	2.05PM GROUP DISCUSSION Develop a consensus framework to move forward.	1.49PM Has the degree of outcome reporting bias in surgical randomised trials changed? A meta-regression analysis of trials published in 2009 and 2019. Andy Wang (Sam Adie)
2.04PM Functional navigation in the investigation of groin pain after hip arthroplasty. Georgina Waters (Piers Yates)	2.04PM Biomechanical comparison of bone graft fixation techniques in the Latarjet procedure: a cadaveric study. Ashish Gupta		1.56PM Does the pre-op Oxford Hip Score change over time. Richard de Steiger
2.12PM An investigation of bias in the assessment of mortality risk with total resurfacing hip replacement compared to total conventional hip replacement: a national registry data-linkage study. Christopher Jones	2.08PM Functional outcomes of reverse total shoulder arthroplasty in Boileau Class 1 and Class 2 proximal humeral fracture sequelae. Nina Chua (Raphael Hau)		2.03PM Cemented polished tapered stems have lower revision rates than common cementless implants: An analysis of 201,889 total hip replacements from the Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR). Sina Babazadeh (Dirk Van Bavel)

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2.18PM Validation of a novel computational iliopsoas impingement detection model for surgical planning. Bill Walter	2.12PM DISCUSSION		2.10PM Development of an Ambulatory Day Trauma Surgery Operating Room in a Satellite Peripheral Hospital in Australia. Praveen Singh Madan (David Bradshaw)
2.24PM DISCUSSION			2.17PM DISCUSSION

2.30PM–3.00PM BREAK – SPONSOR ENGAGEMENT

SESSION 4 3.00PM–4.30PM

ARTHROPLASTY Moderator – Jonathan Baré	OUTREACH Moderators – Kevin Woods and Annette Holian	PAEDIATRICS Moderators – Rekha Ganeshalingam and Lynette Reece	TUMOUR CUSTOM RECONSTRUCTION IN ORTHOPAEDIC ONCOLOGY SEMINAR Moderator – Richard Carey-Smith
3.00PM Greater risk of all-cause revisions and complications for obese patients in 3,106,381 total knee arthroplasties: A meta-analysis and systematic review. James Ang (Raphael Hau)	3.00PM AOA ASIA PACIFIC GUEST PROFESSOR Arthroscopy and arthroplasty in Vietnam: from the past to the future. Tang Ha Nam Ahn	3.00PM Clinical presentations of Kingella kingae musculoskeletal infections in South Australian children. Elias Awwad (Nicole Williams)	3.00PM INVITED SPEAKER International perspective. Michiel van de Sande – Holland

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SESSION 4 3.00PM–4.30PM

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3.08PM Do weight-loss diets in people with obesity awaiting elective surgery reduce complications and length of hospital stay, and improve health and patient-reported outcomes post-surgery? Natalie Pavlovic (Justine Naylor)	3.10PM Orthopaedic practice in Mimika, Papua: challenges, struggles, joys, and lessons learning before and during pandemic. Yohannes Toban – West Papua, Indonesia	3.06PM Are Kocher's criteria useful in pre-school aged children with septic hip arthritis? Laurant Kang (David Dewar)	3.20PM What are the alternatives – Canadian Fellowship experience. Phil Rowell
3.16PM Augmented tibial fixation for primary total knee arthroplasty in the obese patient population. Jess Osan (Christopher Jones)	3.17PM Surgical care in remote Papua New Guinea: steps towards Lancet Commission on Global Surgery 2030 Jenny Tovu – Port Moresby, PNG	3.12PM The diagnostic test accuracy of serum procalcitonin compared to C-reactive protein for bone and joint infection in children and adolescents: a systematic review and meta-analysis. Nicole Williams	3.35PM Custom Implants – Current State of the Art Luke Johnson
3.24PM Scoping review of imaging techniques to assess muscle damage post-total hip arthroplasty. Ross Hamilton (Bogdan Solomon)	3.24PM Orthopaedic services in Fiji: pre and post COVID-19 Pauliasi Bauleka – Suva, Fiji	3.18PM Flexion type supracondylar fractures in the Australian paediatric population April De Silva (Angela Chang Alder-Price)	3.45PM Where are we going? Peter Steadman
3.32PM Does using the most commonly used hip prosthesis result in a lower revision rate in primary THR – an AOANJRR review. Dirk van Bavel	3.31PM Online Orthopaedic Outreach: The role of telehealth to facilitate orthopaedic charity efforts in the age of Covid-19. Michael Erian (Praveen Vijaysegaran)	3.24PM Time for PROM-motion: The case for patient-reported outcome measures in paediatric limb reconstruction research. Stewart Morrison	4.00PM GROUP DISCUSSION Richard Carey-Smith
3.40PM Does patient age affect prosthesis specific revision rates in primary THR – an AOANJRR review. Dirk van Bavel	3.38PM DISCUSSION	3.30PM DISCUSSION	
3.48PM DISCUSSION		3.40PM Variability in Australian screening guidelines for developmental dysplasia of the hip. Emily Marriott (Nicole Williams)	

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4.00PM Long-term outcomes of adept large head metal-on-metal hip replacement: functional, radiological and metal ion analysis. Michael Finsterwald (Piers Yates)		3.46PM Screening for developmental dysplasia of the hip in a regional tertiary centre. Nick Paltoglou (Richard Angliss)	
4.08PM No difference in functional, radiographic and survivorship outcomes between direct anterior or posterior approach THA: Five year results of a randomized trial. James Onggo (Parminder Singh)		3.52PM GUEST SPEAKER The changing landscape of spinal muscular atrophy management. Michelle Farrar	
4.16PM Learning curve experience and outcomes with minimally invasive transpiriformis approach for THR: a consecutive case series. Jason Tsung		3.58PM Rate of total hip replacement in patients with developmental dysplasia of the hip, Perthes disease and slipped capital femoral epiphysis: a linkage study with a National Joint Replacement Registry. Nicole Williams	
4.24PM DISCUSSION		4.04PM Who benefits from allowing the physis to grow in slipped capital femoral epiphysis? David Little	
		4.10PM DISCUSSION	

4.30PM–5.00PM SPONSOR ENGAGEMENT

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- Experience the VELYS Mobile Lab through a 3D Virtual Tour created with video footage of the lab itself
- Learn more about how we are blending traditional training modalities with the latest innovations, such as novel surgical simulation technology and virtual reality, to reimagine the surgeon training experience for the VELYS Robotic-Assisted Solution
- Attend a live video cross to the VELYS Mobile Lab for a sawbone demonstration with Dr Brian Devitt, using the VELYS Robotic-Assisted Solution on a Fusetec model, and additional commentary from Dr Matt Lyons



For session times and program of our other thought provoking and engaging sessions presented by local and international surgeon leaders, visit <https://www.jnjmedicaldevices.com/en-AU/event/aoa-2021> or scan this QR code to find out more.

To join, enter the Sponsor Engagement Room from the virtual foyer.

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SPONSOR ENGAGEMENT ROOM

TUESDAY 9 NOVEMBER 2021



DEPUY SYNTHES PREMIER SPONSOR	MATORTHO PLATINUM SPONSOR	STRYKER PLATINUM SPONSOR	ZIMMER PLATINUM SPONSOR
8.00AM The Problem with Fixed Bearing Revision Total Knee Replacements Facilitator Prof Piers Yates		8.00AM Title: Mako Total and Partial Knee Overview: Backed by clinical evidence, do a deeper dive into the key research supporting both Mako TKA and PKA applications. Presenter – Jim Nevelos Stryker Vice President, Advanced Technology & Research & Development	8.00AM ZB Edge Launch featuring mymobility and OrthoIntel Facilitator Joe Catt
12.30PM Extreme Nailing of Distal Femur Fractures with the use of the RFN-Advanced™ Retrograde Femoral Nailing System	12.30PM Session 1: The History of Resurfacing Arthroplasty and the Data Supporting Innovation Key Note Lecture: The History of ADEPT® Resurfacing PSI for Femoral Guidewire Placement in Hip Resurfacing Facilitators – Mike Tuke and Gareth Prosser	12.30PM Title: Mako Total and Partial Knee Overview: Backed by clinical evidence, do a deeper dive into the key research supporting both Mako TKA and PKA applications. Presenter – Jim Nevelos Stryker Vice President, Advanced Technology & Research & Development	12.30PM ROSA® Partial Knee V1.0 with Persona® Partial Knee Surgical Technique Facilitators Campbell McDonald and Lauren Johnston
2.30PM 'Why replace knees when you can restore?' with Dr Brian Devitt & Dr Matthew Lyons ATTUNE® with the VELYSTM Robotic-Assisted Solution, Live from the VELYS Surgical Skills Lab	2.30PM Session 2: Indications and Functional Outcomes for Hip Resurfacing Arthroplasty My Indications for Hip Resurfacing Functional Outcomes after Hip Resurfacing – PROMS Facilitators – Piers Yates and Laurie Kohen	2.30PM Title: Mako Total and Partial Knee Overview: Backed by clinical evidence, do a deeper dive into the key research supporting both Mako TKA and PKA applications. Presenter – Jim Nevelos Stryker Vice President, Advanced Technology & Research & Development	2.30PM Robotic-Assisted TKA Utilizing the ROSA® Knee System Featuring Persona® Facilitators Campbell McDonald and Lauren Johnston
4.30PM 'Why replace knees when you can restore?' with Dr Brian Devitt & Dr Matthew Lyons ATTUNE® with the VELYSTM Robotic-Assisted Solution, Live from the VELYS Surgical Skills Lab	4.30PM Session 3: Innovation and Application – The Future Development of a CoC Hip Resurfacing Arthroplasty Global use and Data for ReCerf® Ceramic Hip Resurfacing Facilitators Paul Beaulé, Andrew Manktelow and Bill Walter	4.30PM Title: Mako Total and Partial Knee Overview: Backed by clinical evidence, do a deeper dive into the key research supporting both Mako TKA and PKA applications. Presenter – Jim Nevelos Stryker Vice President, Advanced Technology & Research & Development	4.30PM ZB Edge Launch featuring mymobility and OrthoIntel Facilitator Caitlin Wilcox

TUESDAY 9 NOVEMBER

8.00AM–8.30AM **SPONSOR ENGAGEMENT**

SESSION 1 8.30AM–10.00AM

PLENARY

WHY DOES DIVERSITY MATTER?

SNAPSHOTS

Featuring key note presenters:

Josephine Sukkar – Chair of Sport Australia

Kristen Hilton – previous Victorian Equal Opportunity / Human Rights Commissioner

Anthony Murray – First Indigenous Australian Orthopaedic Surgeon

Simon Fleming – IODA Trainee Rep

Belinda Ong – OWL Essay Winner

SESSION 2 10.00AM–12.30PM

ARTHROPLASTY Moderators – Dermot Collopy and Gavin Clark	HAND AND WRIST FREE PAPERS Moderators – Tanya Burgess and Eugene Ek	TRAUMA Moderators – Avanthi Mandaleson and Roger Bingham	TUMOUR FREE PAPERS Moderator – Richard Carey Smith
10.00AM Anatomical drivers of correctability of the osteoarthritic knee joint under varus and valgus stress. David Liu	10.00AM Repeat limited fasciectomy is a safe and effective treatment for Dupuytren's disease recurrence. Edward Hayter (Raymond Anakwe)	10.00AM Improving imaging accuracy of femoral nail position in the distal femur. Harminder Sarai (Michael Schuetz)	10.00AM Unilateral hypertrophy of the tensor fascia lata muscle – a need to revisit and review. Brady Bonner (Scott Somerville)
10.08AM The arithmetic HKA (aHKA). An algorithm that estimates constitutional lower limb alignment once osteoarthritic deformity has occurred. Samuel Macdessi	10.08AM Understanding the relationship between Soong classification for distal radius volar plate position and prevalence of hardware irritation and flexor tendon rupture. Laurant Kang (Brett McClelland)	10.10AM Distal femoral replacement for native knee fractures: results from the Australian Orthopaedic Association National Joint Replacement Registry. Andrea Aebischer (Chris Wall)	10.10AM Identifying potential risk factors for stem breakage in distal femoral endoprosthetic replacements undertaken for primary bone tumours. Emma Carlisle (Scott Somerville)

TUESDAY 9 NOVEMBER

SESSION 2 10.00AM–12.30PM

ARTHROPLASTY Moderators – Dermot Collopy and Gavin Clark	HAND AND WRIST FREE PAPERS Moderators – Tanya Burgess and Eugene Ek	TRAUMA Moderators – Avanthi Mandaleson and Roger Bingham	TUMOUR FREE PAPERS Moderator – Richard Carey Smith
10.16AM Coronal plane alignment of the knee (CPAK) classification: A new system for describing knee phenotypes and its application in kinematically and mechanically aligned total knee arthroplasty. Samuel Macdessi	10.16AM Surgical plating vs closed reduction for fractures in the distal radius in older patients. Andrew Lawson (Ian Harris)	10.20AM Geographic variation in the frequency and potency of post-operative opioid prescriptions for extremity fracture surgery Jack Richards (Peter Smitham)	10.20AM Outcomes from a tertiary orthopaedic oncology service for patients undergoing forequarter amputation for squamous cell carcinoma. Nicholas Croker (Scott Sommerville)
10.24AM Accurate recreation of native tibial medial centre of rotation following TKA surgery leads to improved patient outcomes. Jonathan Baré	10.24AM Does severity of nerve conduction studies in carpal tunnel syndrome influence patient outcomes? A prospective study. Zaid Shihab (Randy Bindra)	10.30AM DISCUSSION	10.30AM 3D-model with bone and nerve reconstructions for preoperative planning for pelvic tumour resection surgery. Olivia Fox (Andrew Kanawati)
10.32AM Restoring Joint Line Obliquity with Functional Alignment Results in Improved PROMs following TKA in Patients with Constitutionally Varus Knees Gavin Clark	10.32AM DISCUSSION	10.40AM Hip fracture surgery performed out-of-hours – a systematic review and meta-analysis. Raymond Kim (Jeffrey Petchell)	10.40AM Management of myxofibrosarcomas: a multidisciplinary approach improves oncological outcomes. Isaac Rhee (Claudia Di Bella)
10.40AM How far do we go? Using normal knee phenotypes to inform restricted alignment boundaries in kinematically aligned total knee arthroplasty. Samuel Macdessi	10.40AM–11.35AM DISTAL RADIUS ICL/SYMPOSIUM Moderators – Jennifer Green and Brett McClelland	10.50AM Is there a day of the week effect for hip fractures? Data from the Australian and New Zealand Hip Fracture Registry. Nicholas Murphy (David Bradshaw)	10.50AM Prosthetic reconstruction for soft tissue sarcomas of the lower limb with bone involvement. Philip Rowell
10.48AM The use of intra-operative pressure sensors improves soft tissue balance but not clinical outcomes in total knee arthroplasty. A multi-center, randomised trial. Samuel Macdessi	10.40AM Indications for fixation in distal radius fractures. Simon Lau	11.00AM The efficacy and safety of intraoperative administration of tranexamic acid in extracapsular hip fractures. Nicholas Skladnev (Jacqueline Close)	11.00AM Does flap reconstruction influence complication rates and function following surgical resection of adductor compartment soft tissue sarcoma? Philip Rowell
11.00AM DISCUSSION	10.50AM Tips and tricks. Jeremy Loveridge	11.10AM Incidence of neurological injury following proximal hamstring avulsion. David Wood	11.10AM DISCUSSION

TUESDAY 9 NOVEMBER

SESSION 2 10.00AM–12.30PM

ARTHROPLASTY Moderators – Dermot Collopy and Gavin Clark	HAND AND WRIST DISTAL RADIUS ICL/SYMPOSIUM Moderators – Jennifer Green and Brett McClelland	TRAUMA Moderators – Avanthi Mandaleson and Roger Bingham	TUMOUR FREE PAPERS Moderator – Richard Carey Smith
11.10AM Technology-assisted TKA is associated with lower early mortality than conventional (intra-medullary) instrumentation. Ian Harris	11.05AM Associated soft tissue injuries in distal radius fractures. Eugene Ek	11.20AM DISCUSSION	
11.17AM Does the use of assistive technology improve revision rates for total knee replacement? Peter Lewis	11.20AM Arthroscopic assistance in distal; radius fractures. Nicholas Smith	11.30AM Time to definitive fixation of femoral shaft fractures in trauma. Daniel Benz (Zsolt Balogh)	
11.24AM Prospective five year clinical and radiographic outcomes of patients undergoing TKR using ShapeMatch cutting guides for kinematic alignment. Ton Tran	11.35AM CASE DISCUSSION	11.40AM Critical trauma patient mortality rate to measure mature trauma system performance. Benjamin Hardy (Zsolt Balogh)	
11.31AM Morphological assessment of the trochlear sulcus and the distal femur in computed tomography scans of native femora. Peter McEwen		11.50AM Three-year multicentre retrospective cohort of open lower limb fracture: can we BOAST about outcomes? Kieran Matic (Sam Adie)	
11.38AM Kinematic alignment better replicates the native trochlear geometry compared to mechanical alignment in total knee arthroplasty. Peter McEwen		12.00PM The Australian Ankle Syndesmosis Injury Survey 2020. Sam Hookway (Richard Page)	
11.45AM CT validation of intra-operative navigation reported implant position utilising a robotic assisted technique in total knee arthroplasty. Namit Sharma (Joshua Petterwood)		12.10PM DISCUSSION	

TUESDAY 9 NOVEMBER

SESSION 2 10.00AM–12.30PM

ARTHROPLASTY Moderators – Dermot Collopy and Gavin Clark	HAND AND WRIST DISTAL RADIUS ICL/SYMPOSIUM Moderators – Jennifer Green and Brett McClelland	TRAUMA Moderators – Avanthi Mandaleson and Roger Bingham	TUMOUR FREE PAPERS Moderator – Richard Carey Smith
11.52AM DISCUSSION			
12.00PM The incidence of obesity in patients undergoing total knee replacement in Australia. Chris Wall			
12.08PM The influence of obesity on total knee replacement revision rate in Australia: Results from the Australian Orthopaedic Association National Joint Replacement Registry. Chris Wall			
12.16PM The association between Body Mass Index and pre and post-operative patient-reported outcomes in patients receiving total hip and knee arthroplasty. Jonathan Mulford			
12.24PM DISCUSSION			

12.30PM–1.00PM **BREAK – SPONSOR ENGAGEMENT**

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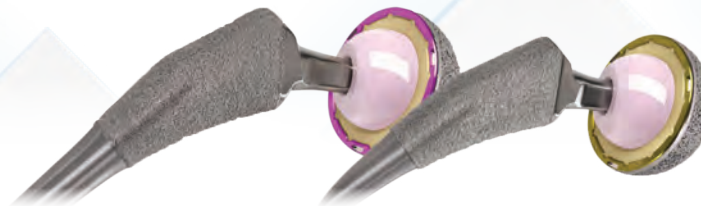
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* Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR). Hip, Knee & Shoulder Arthroplasty: 2020 Annual Report, Adelaide; AOA, 2020: 1-474. [Accessed from: <https://aoanjrr.sahmri.com/annual-reports-2020>]

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TUESDAY 9 NOVEMBER

SESSION 3 1.00PM–2.30PM

ARTHROPLASTY Moderator – Matt Lyons	HAND AND WRIST HAND SURGERY – THE FUTURE? Moderators – Avanthi Mandaleson and Steve Frederiksen	TRAUMA FREE PAPERS Moderators – Juliette Gentle and Marinis Pirpiris	FOOT AND ANKLE Moderator – William Edwards
1.00PM During first 10 years of independent practice, the majority of Australian orthopaedic surgeons practice hip and knee arthroplasty at volumes below optimal safety standards. Alex Nicholls	1.00PM GUEST SPEAKER Scaphoid fractures. Scott Edwards – USA	1.00PM What's old is best again! Is anterior plating best for fixation of type C pelvic fractures? A systematic review and meta-analysis. Josh Booth (Paul Smith)	1.00PM Comparing the use of intense therapeutic ultrasound and platelet derived growth factor injections for the management of plantar fasciitis. Codey Burton (Rajat Mittal)
1.08PM Overlapping surgery in arthroplasty – a systematic review and meta-analysis. Raymond Kim (Jeffrey Petchell)	1.20PM Arthroscopic bone grafting of the scaphoid Jeff Ecker	1.10PM The Femoral Neck System leads to improved outcomes compared to sliding hip screw and/or cancellous screws for the fixation of intracapsular neck of femur fractures. Campbell Fisher (Roger Bingham)	1.08PM Outcome after total ankle arthroplasty with a minimum of five years follow-up: a systematic review and meta-analysis. James Onggo (Harvinder Bedi)
1.16PM Validation of a patient outcome prediction tool relative to surgeon predictions of patient outcome. Justin Roe	1.35PM GUEST SPEAKER Hand and wrist arthroscopy – what is possible. Scott Edwards – USA	1.20PM Unrestricted immediate weight bearing in a cohort of patients with rotationally unstable type B pelvic fractures. William Poole	1.16PM Comparative cohort study comparing functional scores of diabetic patients with foot and ankle pathology whom underwent EITHER CHArcot reconstruction OR below knee AMPutation (BKA) – [CHAMP Study]. Brian Martin
1.24PM Long term outcomes of alumina ceramic-on-ceramic bearings in cementless total hip arthroplasty: a 20-year minimum follow-up Joshua Xu (Bill Walter)	1.55PM DISCUSSION AND CASES	1.30PM Customised pelvic fixation plates design using 3D modelling and 3D printing. Yuan Chai (Paul Smith)	1.24PM The use of antibiotic bone substitute improves outcomes in the management of diabetic foot osteomyelitis. Brian Martin
1.32PM An immunological study to determine the factors implicated in peri prosthetic joint infections in obesity. Ibin Varughese (Ross Crawford)		1.40PM DISCUSSION	1.32PM DISCUSSION

TUESDAY 9 NOVEMBER

SESSION 3 1.00PM–2.30PM

ARTHROPLASTY Moderator – Matt Lyons	HAND AND WRIST HAND SURGERY – THE FUTURE? Moderators – Avanthi Mandaleson and Steve Frederiksen	TRAUMA FREE PAPERS Moderators – Juliette Gentle and Marinis Pirpiris	FOOT AND ANKLE Moderator – William Edwards
1.40PM The role of microRNA in the pathophysiology of aseptic loosening and osteolysis around total hip and knee arthroplasty. Yi Deng (Paul Smith)		1.50PM Integrated dual lag screws versus single lag screw cephalomedullary nail constructs: a meta-analysis and systematic review. James Onggo (Sina Babazadeh)	1.45PM Joint fusion rates using i-FACTOR in foot and ankle surgery – a retrospective review. Luke McKinnon (Rajat Mittal)
1.48PM DISCUSSION		2.00PM Distal placement of femoral intramedullary nails of differing curvature. Simon Flower (Owen Mattern)	1.53PM Minimum 5 year follow-up for CROSSBAT (Combined randomised and observational study of Surgery for Type B Ankle fracture treatment). Ryan Okeefe (Rajat Mittal)
1.56PM Are responders to patient health surveys representative of those invited to participate? An analysis of the Patient-Reported Outcome Measures Pilot from the Australian Orthopaedic Association National Joint Replacement Registry. Ian Harris		2.10PM Management of displaced surgical neck fractures: which fracture pattern re-aligns best before radiographically visible callus? Reinier W.A. Spek (R.L. Jaarsma)	2.01PM Psychological factors affecting patient reported outcomes in non-arthroplasty lower limb orthopaedic surgery: a systematic review. Nina Cradick (Sam Adie)
2.04PM Opioid use before and after hip and knee arthroplasty in an Australian population. Phil Huang		2.20PM DISCUSSION	2.09PM DISCUSSION
2.12PM What are the long-term outcomes of mortality, quality of life, and hip function after prosthetic joint infection of the hip? A 10-year follow-up from Sweden. Peter Wildeman			

TUESDAY 9 NOVEMBER

SESSION 3 1.00PM–2.30PM

ARTHROPLASTY Moderator – Matt Lyons	HAND AND WRIST HAND SURGERY – THE FUTURE? Moderators – Avanthi Mandaleson and Steve Frederiksen	TRAUMA FREE PAPERS Moderators – Juliette Gentle and Marinis Pirpiris	FOOT AND ANKLE Moderator – William Edwards
<p>2.18PM Effects of a national intervention in Sweden to reduce the incidence of prosthetic joint infections of the hip. Viktor Lindgren</p>			
<p>2.24PM DISCUSSION</p>			

2.30PM–3.00PM BREAK – SPONSOR ENGAGEMENT

SESSION 4 3.00PM–4.30PM

ARTHROPLASTY Moderator – Ed Marel	KNEE Moderator – Chris Vertullo	TRAUMA VOTOR SESSION Moderators – Sue Liew and Andrew Oppy	GENERAL QUICKSHOTS Moderators – Richard Page and Catherine McDougall
<p>3.00PM Examination of surgical helmet and surgical hood application methods in reducing contamination in arthroplasty surgery. Laurant Kang (David Dewar)</p>	<p>3.00PM Comparison of a novel joint distraction radiology protocol in total knee arthroplasty planning with navigated joint gaps. David Liu</p>	<p>3.00PM VOTOR SESSION Victorian Orthopaedic Trauma Outcome Registry (VOTOR) – introduction. Andrew Oppy</p>	<p>3.00PM Introduction. Richard Page</p>
<p>3.08PM Introducing a new technology in the operating room – how does it impact surgical time and experience? Dirk van Bavel</p>	<p>3.06PM Population level validation of a novel joint distraction radiology protocol in total knee arthroplasty planning. David Liu</p>	<p>3.10PM VOTOR SESSION Predicting fracture outcomes from clinical Registry data using Artificial Intelligence Supplemented models for Evidence-informed treatment – the PRAISE Study. Belinda Gabbe (Richard Page)</p>	<p>3.03PM The perception of patient safety in an alternate site of care for elective surgery during the first wave of the novel coronavirus pandemic in the United Kingdom: a survey of 158 patients. George Lee (Raymond Anakwe)</p>

TUESDAY 9 NOVEMBER

SESSION 4 3.00PM–4.30PM

ARTHROPLASTY Moderator – Ed Marel	KNEE Moderator – Chris Vertullo	TRAUMA VOTOR SESSION Moderators – Sue Liew and Andrew Oppy	GENERAL QUICKSHOTS Moderators – Richard Page and Catherine McDougall
3.16PM An evidence-based best practice perioperative matrix eliminates allogenic blood transfusions in simultaneous bilateral total knee replacements. Tristan Symonds (Peter McEwen)	3.12PM Clinical outcomes associated with robotic and computer-navigated total knee arthroplasty: an artificial intelligence augmented systematic review. Joseph Clair (Arshad Barmare)	3.20PM VOTOR SESSION A comparison of internal fixation and non-operative management of proximal humerus fractures in adult patients. Filip Cosic (Elton Edwards)	3.06PM Multifocal osteonecrosis following ingestion of the 'Death Cap' mushroom – a rare occurrence. Peggy Miller (Paula Marie McQuail)
3.24PM Clinical frailty score predicts discharge disposition following total joint arthroplasty. Benjamin Wall (Christopher Jones)	3.18PM Experience and lessons learned from 1718 robotic assisted total knee arthroplasties. Dermot Collopy	3.30PM VOTOR SESSION Outcomes of severe lower limb injury with MESS ≥ 7 in a civilian population. Elton Edwards	3.09PM Trauma assessment clinic in the time of Covid, enhancing collaboration between orthopaedic and emergency department colleagues. Peggy Miller (Paula Marie McQuail)
3.32PM The effect of ERAS programmes on activity levels following hip and knee arthroplasty. Matthew Lyons	3.24PM DISCUSSION	3.40PM VOTOR SESSION VOTOR summary and discussions. Andrew Oppy	3.12PM Down the rabbit hole – what happens when patients google their conditions? Yash Panwar (Stacey Cole)
3.40PM Rehabilitation pathway contributing to ongoing opioid use after knee or hip arthroplasty. Justine Naylor (Ian Harris)	3.34PM A randomized controlled trial comparing a medial stabilized total knee prosthesis to a cruciate retaining and posterior stabilized design: a report of the clinical and functional outcomes following total knee replacement. Daniel Gould (Peter Choong)	3.50PM Long term patient reported outcomes of pilon fractures: an Australian perspective. Thomas Ryan (Zsolt Balogh)	3.15PM Impact of Covid-19 on medical teaching and the effectiveness of online orthopaedic case based learning. Bhuvanesh Ravichandran (Peter Smitham)
3.48PM DISCUSSION	3.40PM Does a laterally placed skin incision reduce sensory alteration and improve the ability to kneel after total knee arthroplasty? A randomised controlled trial of simultaneous bilateral surgery. Matthew Rikard-Bell (Peter McEwan)	4.00PM Comparison of patient reported outcomes following clavicle operative fixation using supraclavicular nerve sparing and supraclavicular nerve sacrificing techniques – a cohort study. Dawei Huang (Igor Policinski)	3.18PM DISCUSSION

TUESDAY 9 NOVEMBER

SESSION 4 3.00PM–4.30PM

ARTHROPLASTY Moderator – Ed Marel	KNEE Moderator – Chris Vertullo	TRAUMA VOTOR SESSION Moderators – Sue Liew and Andrew Oppy	GENERAL QUICKSHOTS Moderators – Richard Page and Catherine McDougall
<p>3.56PM The effect of mindfulness training prior to total joint arthroplasty on post-operative pain and physical function: a randomised controlled trial. Anthony Dunin</p>	<p>3.46PM Double-blind randomised control trial evaluating the effects of tourniquet use in total knee arthroplasty on quadriceps strength and intra-operative and post-operative outcomes. Shaun Waring (Andrew Thomson)</p>	<p>4.10PM Epidemiology of distal femur fractures and non-unions in the elderly. Stephanie Cairns (Peter Smitham)</p>	<p>3.23PM A comparison of re-operation rates: K-wire tension bands vs cannulated screw tension band constructs for patellar fractures. Gurpreeth Singh (Luca Daniele)</p>
<p>4.04PM Improvement in sleep patterns after hip and knee arthroplasty: a prospective study in 780 patients. Justin Roe</p>	<p>3.52PM Comparison of gaze patterns between patients with knee osteoarthritis and aged matched controls. Scott Le Rossignol (Kaushik Hazratwala)</p>	<p>4.20PM DISCUSSION</p>	<p>3.26PM Australian medical students' confidence in performing orthopaedic examinations and managing common sports-related injuries. Zachary Bunjo</p>
<p>4.12PM Anticoagulation use and complications post joint replacement, a national data linkage study. Ian Harris</p>	<p>3.58PM DISCUSSION</p>	<p>4.30PM AOTS ANNUAL GENERAL MEETING</p>	<p>3.29PM Surgical management of intramuscular hamstring biceps tendon injuries leads to early return to sport with low rate of recurrence. Steven Cecchi (Peter D'Alessandro)</p>
<p>4.18PM Predicting dissatisfaction following total hip arthroplasty using a Bayesian Model Averaging (BMA) approach: results from the Australian Arthroplasty Clinical Outcomes Registry (ACORN). Jan Peter Van Meirhaeghe (Sam Adie)</p>			<p>3.32PM Examining the impact of a six week orthopaedic skills course on resident confidence and preparedness for transition to registrar practice. Conor Gouk (Randy Bindra)</p>
<p>4.24PM DISCUSSION</p>			<p>3.35PM DISCUSSION</p>
			<p>3.40PM Staphylococcal biofilm attachment in prosthetic joint infections (PJIs): an in vitro model. Darcie Cooper (Richard Page)</p>

TUESDAY 9 NOVEMBER

SESSION 4 3.00PM–4.30PM

ARTHROPLASTY Moderator – Ed Marel	KNEE Moderator – Chris Vertullo	AOTS ANNUAL GENERAL MEETING Continues	GENERAL QUICKSHOTS Moderators – Richard Page and Catherine McDougall
			3.43PM Comparison of infection in cemented, cementless and hybrid primary total knee arthroplasty: A network meta-analysis and systematic review of randomised clinical trials. James Onggo
			3.46PM Waiting lists for symptomatic joint arthritis are not benign: prioritizing patients for surgery in the setting of COVID-19. James Morris
			3.49PM Efficacy of Pregabalin for peri-operative pain relief in arthroscopic shoulder surgery: A randomized, double-blind, prospective clinical trial. Tim Maher (Minoo Patel)
			3.52PM Comparison of shoulder replacement outcomes between Australian public and private hospitals: A National Joint Replacement Registry Analysis. Nicholas Paltoglou
			3.55PM DISCUSSION

4.30PM–5.00PM SPONSOR ENGAGEMENT

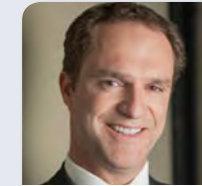
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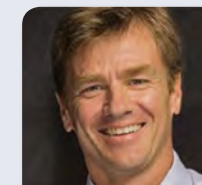
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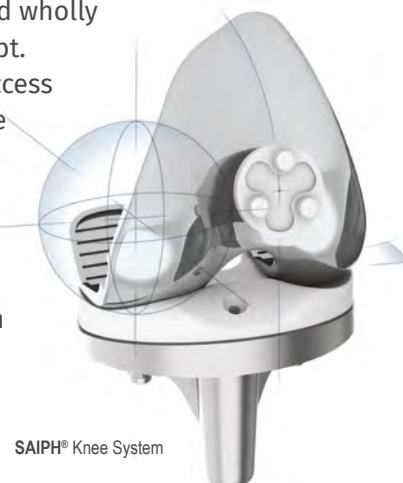
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WEDNESDAY 10 NOVEMBER 2021



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<p>8.00AM</p> <p>Barriers and Enablers to the Achievement of Gender Equality: A Research Collaboration between MTAA and University of Newcastle</p>		<p>8.00AM</p> <p>PRK Design Rationale on Plus Femurs/Surgical Technique Animation.</p> <p>Facilitator Aaron Rouse</p>
<p>12.30PM</p> <p>Modifiable Risk Factors in Primary THA – Dislocation</p> <p>Facilitators Prof Bill Walter Jr and Dr Lukas Eckhard: All-Cause Revision and Revision for Dislocation Amongst Computer-Navigated vs. Non-Navigated THA</p>	<p>12.30PM</p> <p>Session 1: The History of Resurfacing Arthroplasty and the Data Supporting Innovation Key Note Lecture: The History of ADEPT® Resurfacing PSI for Femoral Guidewire Placement in Hip Resurfacing</p> <p>Facilitators – Mike Tuke and Gareth Prosser</p>	<p>12.30PM</p> <p>Robotic-Assisted TKA Utilizing the ROSA® Knee System Featuring Persona®.</p> <p>Facilitators Campbell McDonald and Lauren Johnston</p>
<p>2.30PM</p> <p>My Journey from a FB Revision Knee System to ATTUNE Revision RP with Sleeves: Case Reviews</p> <p>Facilitator Dr Chris Wilson</p>	<p>2.30PM</p> <p>Session 2: Indications and Functional Outcomes for Hip Resurfacing Arthroplasty My Indications for Hip Resurfacing Functional Outcomes after Hip Resurfacing – PROMS</p> <p>Facilitators – Piers Yates and Laurie Kohen</p>	<p>2.30PM</p> <p>PRK Design Rationale on Plus Femurs/Surgical Technique Animation.</p> <p>Facilitator Aaron Rouse</p>
	<p>4.30PM</p> <p>Session 3: Innovation and Application – The Future Development of a CoC Hip Resurfacing Arthroplasty Global use and Data for ReCerf® Ceramic Hip Resurfacing</p> <p>Facilitators Paul Beaulé, Andrew Manktelow and Bill Walter</p>	<p>4.30PM</p> <p>ROSA® Partial Knee V1.0 with Persona® Partial Knee Surgical Technique.</p> <p>Facilitators Campbell McDonald and Lauren Johnston</p>

WEDNESDAY 10 NOVEMBER

8.00AM–8.30AM **SPONSOR ENGAGEMENT**

SESSION 1 8.30AM–10.00AM

PLENARY – PRESIDENT

FEATURING KEY NOTE PRESENTERS

Peter Collignon – ANU Medical

Glenn Keys – Aspen Medical

Carousel Presidents

SESSION 2 10.00AM–12.30PM

ARTHROPLASTY Moderators – Catherine McDougall and Andrew Shimmin	KNEE Moderators – Peter Myers and Sheanna Maine	MEDICO-LEGAL Moderators – Drew Dixon and Bruce Love	GENERAL STATE ASM REGISTRAR BEST PAPER Moderators – Richard Page and Claudia Di Bella
<p>10.00AM</p> <p>Which patient factors best predict discharge destination after primary total knee arthroplasty? The ARISE trial.</p> <p>Larissa Sattler (Christopher Vertullo)</p>	<p>10.00AM</p> <p>Anterior cruciate ligament reconstruction alone versus with lateral extra articular tenodesis (LEAT) with minimum 2-years follow-up: a meta-analysis and systematic review of randomised controlled trials.</p> <p>James Onggo (Sina Babazadeh)</p>	<p>10.00AM</p> <p>Obstacles and options encountered in difficult medico-legal examinations.</p> <p>Miron Goldwasser</p>	<p>10.00AM AOA Canberra Branch</p> <p>Morbidity and mortality of periprosthetic distal femur.</p> <p>Matthew Schwass</p>
<p>10.08AM</p> <p>Predicted net gain of patient reported outcome scores as pre-operative tests for satisfaction after total knee arthroplasty.</p> <p>Peter McEwen</p>	<p>10.06AM</p> <p>What predicts a high-grade pre-operative pivot shift: a post hoc analysis of the STABILITY study.</p> <p>Lachlan Batty</p>	<p>10.10AM</p> <p>Is the S I joint rendered painful as a consequence of injury?</p> <p>Aaron Buckland (Michael Johnson)</p>	<p>10.07AM AOA New South Wales Branch</p> <p>Revision risk after unipolar or bipolar hemiarthroplasty for femoral neck fractures: an instrumental variable analysis of 62,875 procedures from the Australian Orthopaedic Association National Joint Replacement Registry.</p> <p>John Farey</p>

WEDNESDAY 10 NOVEMBER

SESSION 2 10.00AM–12.30PM

ARTHROPLASTY Moderators – Catherine McDougall and Andrew Shimmin	KNEE Moderators – Peter Myers and Sheanna Maine	MEDICO-LEGAL Moderators – Drew Dixon and Bruce Love	GENERAL STATE ASM REGISTRAR BEST PAPER Moderators – Richard Page and Claudia Di Bella
10.16AM Improvement of TKA outcomes with preoperative simulation: validation of a patient specific planning tool. Andrew Shimmin	10.12AM Augmentation of anterior cruciate ligament reconstruction using autologous hamstring graft, with a modified iliotibial band tenodesis or lateral extracapsular tenodesis, for patients with a residual pivot shift: a 2 year prospective randomised controlled trial comparing recurrence rate and clinical outcome. Mark Porter	10.20AM The MRI features of symptomatic low back pain. John Cunningham	10.14AM AOA Queensland Branch (Clinical) The role of pre-operative imaging modalities in the operative management of Morton neuroma. Thomas Pagliaro
10.24AM No differences in quality-of-life outcomes following computer navigated primary total knee arthroplasty compared to conventional referencing: a propensity score-matched analysis.. Jason Trieu (Peter Choong)	10.18AM ACL repair versus reconstruction – a clinical, MRI, and patient-reported outcome comparison. Julian Duong (Brett Fritsch)	10.30AM DISCUSSION	10.21AM AOA Queensland Branch (Scientific) Developing a bacteriophage-loaded hydrogel for treating orthopaedic infection. Andrew Foster
10.32AM Same-day discharge for total knee replacement is feasible in a regional hospital setting: a study of short-term adverse events and patient-reported pain, function and satisfaction. Sam Martin	10.24AM An analysis of repeat acl injury and return to sport in 1000 Australian soccer players. Justin Roe	10.45AM Is subacromial decompression necessary? Chris Pullen	10.28AM DISCUSSION
10.40AM Remote pre- and rehabilitation as an in-patient rehabilitation alternative in patients undergoing total knee replacement. David Liu	10.30AM DISCUSSION	10.55AM Accepted injury right leg but now the left has 'gone'. John Bartlett	10.35AM AOA South Australia Branch Radiographic imaging post hip and knee arthroplasty. Kimon Toumazos
10.48AM DISCUSSION	10.40AM 0 versus 30 degrees for tibial graft fixation during anatomic single-bundle anterior cruciate ligament reconstruction with bone-patellar tendon bone autograft - a randomized controlled trial. Tim Dwyer	11.05AM Scurvy – the sailor's scourge. John Walsh	10.42AM AOA Tasmania Branch Accuracy of assistive technologies for acetabular cup positioning: an RCT in primary total hip arthroplasty Connor Greatbatch

WEDNESDAY 10 NOVEMBER

SESSION 2 10.00AM–12.30PM

ARTHROPLASTY Moderators – Catherine McDougall and Andrew Shimmin	KNEE Moderators – Peter Myers and Sheanna Maine	MEDICO-LEGAL Moderators – Drew Dixon and Bruce Love	GENERAL STATE ASM REGISTRAR BEST PAPER Moderators – Richard Page and Claudia Di Bella
11.00AM Variation and trends in reasons for knee replacement revision: a multi-registry study. Peter Lewis	10.46AM A biomechanical study of tendon graft augmentation for anterior cruciate ligament reconstruction using a porcine model: comparison of tendon augmented with LARS vs tendon augmented with FiberTape vs tendon only control. Joseph Henry (Peter Annear)	11.15AM Advertising in orthopaedic surgery: do Australian orthopaedic surgeons comply with medical board and AOA guidelines? Hannah Ryan (Sam Adie)	10.49AM AOA Victorian Branch Combination of chlorhexidine and betadine for surgical skin preparation is safe and effective: asystematic review and meta-analysis. Pamela Boekel
11.08AM Improvements in foot pain after total knee arthroplasty. Geffrey Keighley (Justin Roe)	10.52AM 4D-CT analysis of cadaveric knees to determine graft isometry – a novel technique. Matthias Lu (Justin Wong)	11.25AM DISCUSSION	10.56AM AOA Western Australian Branch Two stage revision total knee arthroplasty – obesity, medical fragility and prior major operations have a cumulative increase in failure rate and repeat 2-stage TKA have poor outcomes. Tom Christiner
11.16AM Venous thromboembolism after total knee replacement is associated with a worse functional outcome at one year. Lorenzo Calabro	10.58AM Incidence of graft-tunnel mismatch in anatomic anterior cruciate ligament reconstruction using bone-patella tendon-bone autograft. Tim Dwyer	11.40AM AVANT MUTUAL Ruanne Brell	11.03AM DISCUSSION
11.24AM Do smaller sized unicompartmental knee replacements have a higher rate of revision than larger sizes. Richard De Steiger	11.04AM Meniscal ‘ramp’ lesions: surgical incidence and the development of magnetic resonance imaging diagnostic criteria. Matthew Greenaway (Peter D’Alessandro)	11.50AM MEDICO-LEGAL ANNUAL GENERAL MEETING	AOARF GRANT TALKS Moderators – Richard Page and Claudia Di Bella
11.32AM Distal femoral replacement for distal femur periprosthetic fractures: results from the Australian Orthopaedic Association National Joint Replacement Registry. Andrea Aebischer (Chris Wall)	11.10AM DISCUSSION		11.10AM Epidemiology of prosthetic joint infections in a tertiary teaching hospital. Darcie Cooper (Richard Page)

WEDNESDAY 10 NOVEMBER

SESSION 2 10.00AM–12.30PM

ARTHROPLASTY Moderators – Catherine McDougall and Andrew Shimmin	KNEE Moderators – Peter Myers and Sheanna Maine	MEDICO-LEGAL ANNUAL GENERAL MEETING Continues	GENERAL AOARF GRANT TALKS Moderator – Richard Page
11.40AM In-vivo kinematics during step-up of three total knee replacement designs: a randomised clinical trial. Joseph Lynch (Paul Smith)	11.20AM A systematic review of outcomes after irreducible knee dislocation, and creation of a suitable diagnostic and management algorithm. Jess Osan (Peter D'Alessandro)		11.17AM The development of a software application to measure total hip replacement stability. Peter Smitham
11.48AM DISCUSSION	11.26AM Exploring the viability of Virtual Reality as a teaching method for knee arthrocentesis. Mantaj Singh (Peter Smitham)		11.24AM DISCUSSION
12.00PM Leg length discrepancy assessment in total hip arthroplasty: time to get it right. Uriel Giwnewer	11.32AM Septic arthritis of the knee – risk factors associated with secondary surgery. Quan You Yeo (Wei Loong Seah Ho)		
12.08PM A quantitative analysis of the hip shuck test. David Fraser (William Donnelly)	11.38AM Lateral opening wedge high tibial osteotomy combined with lateral meniscus allograft transplantation. Dominic O'Dowd (Peter Myers)		
12.16PM Investigations of the febrile patient post elective arthroplasty. Angela Yao (Vishal Paringe)	11.44AM DISCUSSION		
12.24PM DISCUSSION	11.55AM Factors associated with an increased risk of recurrence after a first-time patellar dislocation: a systematic review and meta-analysis. Lachlan Huntington (Julian Feller)		

WEDNESDAY 10 NOVEMBER

SESSION 2 10.00AM–12.30PM

ARTHROPLASTY Moderators – Catherine McDougall and Andrew Shimmin	KNEE Moderators – Peter Myers and Sheanna Maine	MEDICO-LEGAL ANNUAL GENERAL MEETING Continues	GENERAL AOARF GRANT TALKS Moderator – Richard Page
	<p>12.01PM Demographic and radiographic risk factors for re-dislocation after index patellar dislocation: a retrospective cohort study. Kimberley Lun (David Parker)</p> <p>12.07PM Re-dislocation rate, return to sport and patient reported outcomes in isolated MPFL reconstruction versus concomitant MPFL reconstruction and tibial tubercle osteotomy. Kimberley Lun (David Parker)</p> <p>12.13PM Sagittal patellar flexion angle measurement determines greater incidence of patella alta in patellar tendinopathy patients: a case-control study. Kimberley Lun (Michael Dan)</p>		
	<p>12.19PM DISCUSSION</p>		

12.30PM–1.00PM BREAK – SPONSOR ENGAGEMENT

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*Stryker Data on file, October 2021. Advanced Digital Healthcare is in reference to the breadth of Stryker's digital healthcare offering and ongoing innovation in this space, which include Make SmartRobotics. **Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR). Hip, Knee & Shoulder Arthroplasty Annual Report 2021; Table TY3, Table KP4, Table KP5, Table IP8, AOA, Adelaide; 2021: 68, 194, 195, 329. Accessed 12 October 2021 from <https://aoanjrr.sahmri.com/documents/10180/712282/Hip%2C+Knee+%26+Shoulder+Arthroplasty>

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WEDNESDAY 10 NOVEMBER

SESSION 3 1.00PM–2.30PM

RESEARCH PLENARY

Moderators – Stephen Graves and Richard Page

AOANJRR ANNUAL REPORT

1.00PM	COVID	Stephen Gill
1.05PM	PROMs	Ian Harris
1.10PM	DISCUSSION	
1.15PM	Knee arthroplasty update.	Peter Lewis
1.23PM	Hip arthroplasty update.	Richard de Steiger
1.29PM	DISCUSSION	
1.34PM	Shoulder arthroplasty update.	Richard Page
1.42PM	Ankle arthroplasty update.	Peter Stavrou
1.47PM	DISCUSSION	

PROMS

2.00PM	PROMs National Rollout.	Grace O'Donohue
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CLINICAL TRIALS

2.08PM	Registry Nested Clinical Trials.	Tamara Hooper
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ANZ HIP FRACTURE REGISTRY

2.16PM	ANZHFR	Ian Harris
2.24pm	DISCUSSION	

2.30PM–3.00PM BREAK – SPONSOR ENGAGEMENT

WEDNESDAY 10 NOVEMBER

SESSION 4 3.00PM–5.30PM

AOA RESEARCH FOUNDATION ANNUAL GENERAL MEETING

AOA ANNUAL GENERAL MEETING

AOA MEMBERS' FORUM

AOA AWARDS AND FELLOWSHIPS CEREMONY

Session 4 is available to only AOA Members and if you would like to attend you are required to register via the link below.

AOA's awards ceremony and presidential handover will take place from 5.00pm using this platform.

[CLICK HERE TO REGISTER](#)

PRESIDENTIAL HANDOVER

2021 AOA President Michael Gillespie to 2022 AOA President Annette Holian

4.30PM–5.00PM SPONSOR ENGAGEMENT

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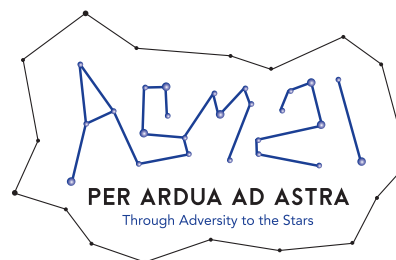
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