



MAKING DATA THE SOLUTION
13–17 October, Brisbane, Queensland



Provisional Program



Michael Johnson

President

In an era driven by technology and innovation, harnessing the power of data has become paramount in advancing orthopaedic medicine and improving patient outcomes.

The increasing size of databases and the ubiquity of the internet and digital devices is transforming the ease with which digital health information can be collected. Added to this, the increasing sophistication of artificial intelligence, data linkage and predictive analytics will greatly expand the ways this data is used. On top of these changes are the demographic challenges of delivering healthcare to an ageing population.

The combination of these and other factors will mean that the greater use and manipulation of data in future health-care is inevitable. These changes will be innumerable, ranging from intelligent machines – which will likely replace note taking and letter writing, suggest appropriate diagnoses and assist management – to the routine collection of outcome measures. Meanwhile, the battle over what constitutes low-value care will take on new dimensions.

How these changes manifest, who owns the data and who controls the algorithms will be some of the ethical issues of the future. There are so many nuances to the discussion of the use of data in healthcare that we have had to make some decisions about content. The focused program of plenaries and discussions that has resulted will feature a stimulating selection of speakers about an area that is going to have an ever-increasing impact on medical and surgical practice.

Together, let us make data the solution and explore the transformative power of data in orthopaedic healthcare.

I look forward to seeing you in Brisbane.



Ken Cutbush

Scientific Secretary



Building on the success of our record-breaking 2023ASM, we're thrilled to invite you to another unforgettable gathering of orthopaedic experts, international guests, and the orthopaedic community at large.

Expect the same exceptional quality and engaging content that made the 2023ASM such a hit.

Our program will feature educational sessions tailored for trainees, junior doctors, and medical students, alongside daily concurrent free papers covering all subspecialties.

Plus, we're enhancing the experience with more:

- case discussions,
- interactive clinical lectures,
- and renowned Australia and International keynote speakers.

Under the theme "Making Data the Solution," we'll delve into the crucial role of data in modern medical and surgical practice—a timely and vital topic for our field and beyond.

Secure your spot now for what promises to be one of the standout events of 2024.

We can't wait to welcome you to Brisbane and explore the future of orthopaedics together!

HIGHLIGHTS FOR 2024

EDUCATION SESSIONS

Monday 14 October - Thursday 17 October 2024

7.00am - 8.00am

Hand | Paediatrics | Arthroplasty | Sports Knee

Education Sessions are primarily aimed at trainees however it will be open to all meeting registrants including consultants and non-training registrars. The Education Sessions will take the form of cases and Q&A.

STATE OF ORTHOPEDIC ORIGIN QUIZ

Monday 14 October 2024

5.30pm - 6.30pm

Get ready for the excitement - It's back! The 2023 Champions are gearing up to defend their title. Don't miss out!

OWL Soiree

Tuesday 15 October 2024

5.30pm - 6.30pm

Join us for an hour of networking with your colleagues, featuring a keynote presentation by Deborah Lawrie, Australia's first female pilot.

REGISTER

4 days secure
30 CPD hours

VENUE

Brisbane Convention & Exhibition Centre is situated in the cultural and entertainment precinct of South Bank, conveniently located near the central business district. Internationally recognised as the world's best convention centre for 2016-2018, Brisbane Convention & Exhibition Centre is Australia's most awarded meetings and events venue and has hosted a collection of local and international conventions, including the 2014 G20 Summit.

Brisbane Convention & Exhibition Centre offers an inspirational learning environment in a marvelously designed space. The relaxing environment encourages open engagement for academic minds, researchers, medical innovators and social theorists.



SOCIAL FUNCTIONS

Sunday 13 October 2024

Presidents Reception

Time: 7.00pm - 9.30pm

Venue: Queensland Art Gallery - Watermall

Dress: Smart Casual

(Included in registration, select to attend when registering)

Monday 14 October 2024

Presidents Dinner

(Invitation only)

Tuesday 15 October 2024

OWL Soriee

Time: 5.30pm - 6.30pm

Venue: Brisbane Convention & Exhibition Centre

Wednesday 16 October 2024

Gala Dinner

Time: 7.00pm - midnight

Venue: Tivoli

Theme: Step Back in Time: A 70's Extravaganza - Dress Up and Dance the Night Away!!
EXCITING NEWS - The triumphant comeback of our esteemed 2023 ASM Gala
Dinner Band - COVERED UP - will entertain you again!!!

(Register to attend: Cost \$240)

ASM



MAKING DATA THE SOLUTION

13–17 October, Brisbane, Queensland



	Sunday 13 October 2024	Monday 14 October 2024	Tuesday 15 October 2024	Wednesday 16 October 2024	Thursday 17 October 2024
7.00am - 8.00am		Education Sessions			
		Hand	Paediatrics	Arthroplasty	Sports Knee
8.00am - 9.30am		Free Paper - Concurrent Sessions			
		General Trauma	Arthroplasty x 2 Paediatrics	Arthroplasty x 2 General	Arthroplasty x 2 Sports Knee
9.30am - 10.00am		Morning Tea			
10.00am - 12.00pm		Opening Ceremony	ANZORS Arthroplasty Medico Legal Outreach	NJRR Plenary	Arthroplasty - Knee General
12.00pm - 1.00pm		Lunch			
1.00pm - 3.00pm		Foot and Ankle Hand Trauma	Arthroplasty APOA Limb Reconstruction	Plenary - Making Data the Solution	Arthroplasty - Hip General - Best Papers Research Foundation ABC Sports Knee
3.00pm 3.30pm		Afternoon Tea			Finish
3.30pm 5.30pm	Registration	Hand Spine Trauma	Plenary - Paediatrics	AOA Business AOA Fellowships & Award Ceremony	
5.30pm-6.30pm		State of Orthopaedic Origin Quiz	OWL Soriee		
Social	Presidents Reception	Presidents Dinner (Invite only)	Industry Dinners	Gala Dinner	

REGISTER NOW



Provisional Program

**84th Australian Orthopaedic Association
Annual Scientific Meeting
13-17 October 2024**

**Brisbane Convention & Exhibition Centre
Brisbane, Queensland, Australia**



AOA
AUSTRALIAN
ORTHOPAEDIC
ASSOCIATION

MONDAY 14 October 2024

Opening Ceremony 10.00am - 12.00pm

- | | |
|---------|---|
| 10.00am | Welcome to Country/Australian National Anthem |
| 10.05am | Welcome AOA President - Michael Johnson |
| 10.10am | Welcome AOA Scientific Secretary - Ken Cutbush |
| 10.15am | Premier Sponsor - DePuy Synthes
Platinum Sponsors - Smith & Nephew, Stryker, Zimmer Biomet |
| 10.20am | AOA 21 Review Update - Bryan Ashman, AOA Dean of Education |
| 10.30am | AOA President Keynote Speaker - Louisa Jorm, Director, Centre for Big Data Research in Health, UNSW |
| 11.00am | AOA President Keynote Speaker - Simon Kos, Chief Medical Officer, Microsoft Australia New Zealand |
| 11.30am | AOA President Keynote Speaker - Simon Longstaff, Executive Director, The Ethics Centre |



**O
P
E
N
I
N
G

C
E
R
E
M
O
N
Y**

AOA NJRR Plenary 10.00am - 12.00pm Moderator: Paul Smith

10.00am	Welcome	Paul Smith
10.05am	New Chapter	Michael Mcauliffe
10.15am	Discussion	
10.20am	Knee arthroplasty update	Chris Vertullo/ Peter Lewis
10.30am	Hip arthroplasty update	James Stoney
10.40am	Shoulder arthroplasty update	David Gill
10.50am	Ankle arthroplasty update	Peter Stavrou
10.55am	Discussion	
11.00am	PROMs Programme	Peter Lewis
11.10am	Registry Nested Clinical Studies	Chris Wall
11.20am	ANZHFR	Michael Wyatt
11.25am	Ad hoc data requests and publications	Michael Mcauliffe
11.35am	Knee osteotomy and planned ACL Registry update	Chris Vertullo
11.40am	Registry 2024 and beyond	Paul Smith
11.45am	Discussion	



3.30pm - 5.30pm



In an era driven by technology and innovation, harnessing the power of data has become paramount in advancing orthopaedic medicine and improving patient outcomes.

The increasing size of databases and the ubiquity of the internet and digital devices is transforming the ease with which digital health information can be collected. Added to this, the increasing sophistication of artificial intelligence, data linkage and predictive analytics will greatly expand the ways this data is used. On top of these changes are the demographic challenges of delivering healthcare to an ageing population.

Theme: Making Data the Solution 1.00pm - 3.00pm

1.00pm	How the value is determined and what value is acceptable Danny Liew - Dean of Medicine and Head of School, Adelaide Medical School, The University of Adelaide
1.25pm	Keeping an eye on AI use and risks in healthcare Fiona Maclean - Pathologists, Franklin AI
1.50pm	Modern mathematical techniques to analyse healthcare datasets Dimetre Perrin - Associate Professor, School of Computer Science at the Queensland University of Technology
2.15pm	Improving orthopaedic care with data analysis Kevin Bozic- President, American Academy of Orthopaedic Surgeons
2..40pm	Panel discussion

Michael Johnson
AOA President
Moderator



Monday 14 October 2024

8.00am - 9.30am	General Free Papers - Shoulder/Elbow	Moderators: TBC
8.00am	Christopher Child - Quantifying The Difference In Glenoid Component Position Between Total Shoulder Arthroplasty And Reverse Shoulder Arthroplasty	
8.05am	Chaiwat Chuaychoosakoon - The safe distances in coracoclavicular stabilization of high-grade acromioclavicular joint injury: A cadaveric study	
8.10am	Filip Cosic - Predictors of failure of locking plate fixation in proximal humerus fractures	
8.15am	Ali Kalhor - Preforming Laterjet procedure in lateral decubitus position, improved graft positioning.	
8.20am	Joseph Latif - Postoperative Pain and Paresthesia in Labral Repairs of the Shoulder - Location does matter	
8.25am	Joseph Latif - Pain, paresthesia, and the rotator cuff: the prevalence and magnitude of shoulder pain and hand numbness and tingling before and after rotator cuff repair	
8.30am	Ciaran Mc Donald - Biomechanical evaluation of the double row knotless “Montgolfier” rotator cuff repair	
8.35am	Roger Pillemer - Avoiding Unnecessary Shoulder Surgery	
8.40am	Syed Mohammed Taif Rizvi - The Prevalence of Arm Paraesthesias in Disorders of the Shoulder	
8.45am	Hardev Sandhu - Synthetic PTFE Interposition Patches for Irreparable Rotator Cuff Tears – How Are They Doing?	
8.50am	Brandon Ziegenfuss - The clinical course and outcomes following arthroscopic frozen shoulder 360° release	
8.55am	Jonghoo Sung - Gunshot Injuries Resulting in Arthroplasty: A Literature Review and Case Report Resulting in a Megaprosthesis	
9.00am	Madeline Temple - Glenoid bone grafting in reverse total shoulder arthroplasty with rotating baseplate: A case series	
9.05am	Benjamin East - Redefining Shoulder Range of Motion Assessment with AI	
9.10am	Benjamin Kenny - Clinical Accuracy of Patient-Specific Humeral and Glenoid Guides in Total Shoulder Arthroplasty	
9.15am	Benjamin East - Deciphering anterior shoulder pain after total shoulder arthroplasty: a simulation model for conjoint tendon impingement	
9.20am	Jashint Maharaj - Improving data capture using digital health technology to improve patient care and outcomes after shoulder surgery	
9.25am	Kristine Italia - Reverse shoulder arthroplasty in acute proximal humeral fractures - the DFER approach.	



Wednesday 16 October 2024

8.00am - 9.30am	General Free Papers - Shoulder/Elbow/Tumour/General	Moderators: TBC
8.00am	Ashish Gupta - Establishing Discharge Criteria after Shoulder Surgery using Patient Engagement and Data Collection Platform	
8.05am	Ashish Gupta - Clinical outcomes after reverse shoulder arthroplasty in patients from regional and metropolitan Australia: the use of digital health technology for equitable healthcare delivery	
8.10am	Ashish Gupta - The impact of a digital health platform for enhanced data collection in workers' compensation patients after shoulder	
8.15am	Laith Alzubaidi - Personalised approach to patients with rotator cuff tears through data-driven machine learning for decision-making	
8.20am	Laith Alzubaidi - Trustworthy deep learning framework for the detection of abnormalities in shoulder x-ray images	
8.25am	Ignacio Viedma - Automated segmentation of scapula and humerus using deep learning: a tool for surgical planning	
8.30am	Laith Alzubaidi - SSP: Self-supervised pertaining technique for classification of shoulder prostheses in x-ray medical images	
8.35am	Asma Salhi - Enhanced deep feature fusion for the automated quantification of the fatty infiltration of the rotator cuff muscles using MRI	
8.40am	Luke Gilliland - The use of data analytics for personalized healthcare in shoulder surgery luke@akunah.com	
8.45am	Liam Fernando-Canavan - Health economics and cost-effectiveness of 3D-printing in orthopaedic oncology surgery.	
8.50am	Mason Jong - The complication profile of metastatic femoral lesions treated with intramedullary nail fixation: A review of 127 cases	
8.55am	William McNamara - A 10-year review of over 350 cases using a traditional then altered antibiotic protocol for tumour megaprostheses.	
9.00am	William Collins - Surgical planning in pelvic reconstruction: A classification system for pelvic implants	
9.05am	Huynh Nguyen - 3D Virtual Tissue Bank for Patient-Specific Allograft Auto Selection	
9.10am	Suzen Agharia - The ability of artificial intelligence tools to formulate orthopaedic clinical decisions in comparison to human clinicians: An analysis of ChatGPT 3.5, ChatGPT 4, and Bard	
9.15am	Anum Awais - From Bones to Bump: Pregnancy Insights from an Orthopaedic Service Registrar - Navigating the Expectations, Challenges, and Surprises	
9.20am	Elias Awwad - Surgical Units Mortality and Morbidity Meetings – Can we do better?	
9.25am	Joshua Petterwood - Strong for Surgery: Applying international evidence in an Australian private practice multi-centre pilot	



Thursday 17 October 2024

10.00am - 12.00pm	General Free Papers	Moderators:
10.00am	Lawrence Baartz - Gold standard or fool's gold? A critique on a sentinel randomized control trial investigating use of intravenous versus oral antibiotics in bone and joint infection based on 2010 CONSORT criteria and clinical biostatistical analysis	
10.05am	Daniel Brimm - The Epidemiology of Surgical Intervention for Sports Related Injuries in Queensland	
10.10am	Anthony Cadden - Exploring Large Language Models in Orthopaedics : How do we effectively work with a black box?	
10.15am	Meghan Dares - Patient satisfaction with a integrative multi-disciplinary model of patient care	
10.20am	Clara Freeman - Barriers and facilitators for female practitioners in orthopaedic surgical training: a scoping review	
10.25am	Bree Gardoll - Optimisation of telehealth for accessible rural orthopaedic care	
10.30am	Aiden Jabur - Impact of opioid-free analgesia on pain severity and patient satisfaction after discharge from surgery: multispecialty, prospective cohort study in 25 countries	
10.35am	Liu Yu - Florid Recurrent Synovial Chondromatosis in the Knee	
10.40am	Joe Lynch - Automated assessment of lower-limb alignment from long-leg x-rays using machine learning	
10.45am	Benjamin McElwee - Connected Care: Implementing 6 week post-arthroplasty discharge followed by routine telehealth follow-up	
10.50am	Thomas O'Donnell - Outcomes of Group A Streptococcal musculoskeletal infections in patients presenting to an Australian tertiary hospital from 2019 to 2023: A Retrospective Observational Review	
10.55am	Takahisa Ogawa - Effect modification by BMI between general versus spinal anaesthesia and in-hospital mortality after hip fracture surgery	
11.00am	Munjed Al Muderis - Role of 3D modelling in an accurate deformity assessment and correction	
11.05am	Jennifer Green - Sex And Gender Bias In Orthopaedic Research And Mitigating Strategies	
11.10am	Munjed Al Muderis - Osseointegration for diabetic patients: the risk of Infection versus the reward of mobility	
11.15am	Naomi Pinto - Domestic violence injuries in Australian orthopaedic clinics Uncommon, Under-Reported or Under-Recognised?	
11.20am	Antony Rapisarda - Validation of a novel genomic-based host response assay, Synvichor, for Discriminating septic from aseptic joint pain.	
11.25am	John Cunningham - Effect of humidified warmed air on the surgical incision during spinal surgery: an animal model of bacterial load	
11.30am	Joseph Baker - The delivery of humidified, warmed air to the surgical site during spinal surgery: findings from a first in human clinical trial	
11.35am	Joseph Baker - Effect of humidified warmed air on the surgical incision during spinal surgery: an animal model on tissue health	
11.40am	Ryan Ting - REAM IT (REsilience, Activity and MIndseT): A survey of doctors from different generations and specialities	
11.45am	Phong Tran - Williamstown On-Time Start Project: A Systematic Approach	
11.50am	Peter Walker - How to Develop and Protect an Invention	
11.55am	Finish	

1.00pm - 3.00pm	Best State Papers Reserach Foundation Papers ABC	Moderator: Ken Cutbush
-----------------	--	------------------------



ASM

24

MAKING DATA THE SOLUTION

13–17 October, Brisbane, Queensland



AOA
AUSTRALIAN
ORTHOPAEDIC
ASSOCIATION

Tuesday 15 October 2024

7.00am-8.00am	Paediatrics	Education Sessions - Cases	Panel:
8.00am 9.30am	Paediatrics	Free Paper Session	Moderator
8.00am	Joe Baker - Cervical spine canal dimensions in children: CT analysis and impact of ethnicity from a New Zealand cohort		
8.10am	Michael Dan - Absorbable Sutures Repair Without Meniscepxy, Results in Superior Outcomes for Discoid Lateral Meniscus With Meniscocapsular Anterior Detachment in Children		
8.20am	Michael Dan - Asymmetric Deficit of Knee Flexion: An Occasional Symptom of Discoid Lateral Meniscus in Children		
8.30am	Helena Franco - Trends in open versus arthroscopic hip surgery: an analysis of a national database		
8.40am	Helena Franco - Trends in surgery for Slipped Capital Femoral Epiphysis: an analysis of a national database		
8.50am	Lachlan McMillan - A Paediatric Orthopaedic Curriculum for Medical Students: The Australian Consensus		
9.00am	Alexander Seeto - The influence of knee-joint morphology on medial/lateral meniscal tears in paediatric patients with anterior cruciate ligament (ACL) rupture.		
9.10am	Alexander Seeto - Tibial slope as a predictor of intraoperative pivot shift grade in paediatric patients with anterior cruciate ligament rupture		
9.20am	Session Finish		

3.30pm - 5.30pm	Paediatric	Orthopaedic Plenary	Moderator: Sheanna Maine
3.30pm	DDH Management		
5.00pm	SCFE Management		
4.30pm	Paediatric ACL management.		
5.00pm	Paediatric Tumour Workup.		



Tuesday 15 October 2024

10.00am - 12.00pm	ANZORS	Moderator: Martina Barzan
10.00am	Michael Schuetz- - Ingredients to improve orthopaedic clinical care through translational research – What to consider	
10.20am	Paige Little - Geographically Equitable Spinal Care for Remote, Rural and Regional Children with Scoliosis: Smart digital strategies linking patients and specialists	
10.40am	Christopher Carty - Griffith University - Implementation of computational modelling into paediatric orthopaedic clinical practice	
11.00am	Nathalie Bock - An innovative intramedullary bone graft harvesting concept for scaffold-guided bone regeneration: A preclinical in vivo validation	
11.20am	Discussion	



Tuesday 15 October 2024

10.00am - 12.00pm	Medico Legal Society	Moderator: Drew Dixon
10.00am	David Morgan - Ruminations of a Medicolegal Mind	
10.20am	Gauguin Gamboa -Arthroplasty update	
10.40am	Simon Journeaux - Causation	
11.00am	Garry Grossbard - The Third Injury	
11.20am	Stephen Milgate - ASOS Medicolegal Update	
11.40am	Medicolegal Society Annual General Meeting	
12.00pm	ASOS Annual General Meeting	



Tuesday 15 October 2024

10.00am - 12.00pm Outreach	Moderator: Andrew Beischer
10.00am	Areta Samuelu - Management of Congenital Pseudarthrosis of the Tibia in Children: A Case Series Utilizing Rush Nails in Samoa
10.08am	Clay Siosi - Epidemiology of hand and wrist trauma in Solomon Islands
10.16am	Des Soares - Pacific islands Orthopaedic Association - transitioning to a Pacific leadership in training, development, and funding. Challenges and opportunities.
10.24am	Nariyoshi Miyata - Telehealth Fracture Clinic: Evaluating the Cost-Effectiveness of Telehealth for Fracture Management in Rural and Remote Settings
10.32am	Peter Brazel - My experience in outreach visits to Fiji since 2009. The success's, failures and looking to the future “
10.40am	Peter Scougall - Hand Surgery Training in Vietnam
10.48am	Ton Tran - How to do more with less - Lessons learned from 10 years in Vietnam
10.56am	Nilton Do Carmo Da Silva - Traditional Bonesetter vs Conventional Intervention. (Six months' study for patients who left against medical advice in ED – HNGV).
11.04am	Discussion
11.15am	Outreach Annual General Meeting



Tuesday 15 October 2024

1.00pm - 3.00pm ALLARS (Limb Reconstruction)	Moderator: Kevin Tetsworth
1.00pm	Keynote Speaker - Len Marais (President of the South African Orthopaedic Association) - Clinical Cases Demonstrating the Value of the New Classification Scheme for FRI
1.30pm	Munjed Al Muderis - Osseointegration outcomes following amputee lengthening
1.40pm	Discussion
1.50pm	Panel debate/discussion of complex limb reconstruction cases - “Complex Limb Reconstruction Case Series: Our Expert Panel Discussing How They Would Take on the Challenge - Moderator - Minoo Patel



Tuesday 15 October 2024

1.00pm-3.00pm APOA	Topic: Building the Future Orthopaedic Workforce in the Asia Pacific region
ASM 24	MAKING DATA THE SOLUTION 13–17 October, Brisbane, Queensland
AOA	
ASIA PACIFIC ORTHOPAEDIC ASSOCIATION 1962	



8.00am - 9.30am Arthroplasty Free Papers - ERAS and patient outcome improvement Moderator: Al Burns

8.00am	Ahmed Kandil - Project Zero: Improving Length of Stay for Arthroplasty Patients in Regional WA
8.08am	Richard de Steiger - Stakeholder Perspectives on short- stay joint replacement
8.16am	Phong Tran - Implementation of a universal ERAS+ Program: Impact on Length of Stay, Readmission Rates, and Costs in a Tertiary Hospital Serving a CALD Community
8.24am	Michael Erian - Bladder catheterisation strategy does not impact patient reported urinary symptoms following lower limb arthroplasty: A prospective cohort study
8.32am	Margot Aalders - Influence of Preoperative Anxiety and Depression on Subjective Function, Pain and Revisions after Total Knee Arthroplasty.
8.40am	Christopher Wilson - A multi-disciplinary program for opioid sparse arthroplasty results in reduced long-term opioid consumption: a four year prospective study
8.48am	Chris Wall - Do patients with osteoarthritis lose weight prior to elective joint replacement?
8.56am	Margot Aalders - Role of Pain Catastrophizing on Functional Outcomes, Pain and Quality Of Life after Total Hip Arthroplasty
9.04am	Stephen Gill - Monitoring patients following primary hip and knee joint replacement surgery – evaluating a remote questionnaire-based model at a large regional hospital
9.12am	Phong Tran - Development of a Digital Health Intervention to Support Patients on a Waitlist for Orthopedic Specialist Care: Co-Design Study
9.20am	Tom Ward - "Best practice pathway for knee osteoarthritis (OA)": Efficiencies for patients and surgeons when advanced practice physiotherapy screening is implemented.
9.28am	Session Finish

8.00am - 9.30am	Arthroplasty Free Papers - Alignment	Moderator: David Liu
------------------------	---	-----------------------------

8.00am	Keran Sundaraj - Changes In Coronal Plane Alignment of the Knee Phenotypes After Total Knee Replacement With Robotic Systems
8.08am	David Liu - Assessment of Coronal Joint Laxity and the Coronal Alignment of the Knee (CPAK) Classification System
8.16am	Dermot Collopy - Is the Native Patellofemoral Track Restored in Total Knee Arthroplasty? Mechanical vs Kinematic Alignment.
8.24am	Gavin Clark - Tibial Components Placed in Constitutional Varus Following TKA: A Minimum 5-year Survivorship Analysis.
8.32am	Faseeh Zaidi - The Impact of Coronal Plane Alignment of the Knee (CPAK) Classification on Early Functional Outcomes after Primary Total Knee Arthroplasty
8.40am	Jay Jefferies - Recreating constitutional alignment in TKR by referencing and reproducing the posterior condyle anatomy – New Technique using ROSA software planning and implementation.
8.48am	Rami Sorial - “Impact of CPAK change on Outcome of Robot Assist TKA with MA alignment – Retrospective analysis
8.56am	Gavin Clark - A prospective, double-blinded randomised controlled trial comparing outcomes after functionally aligned total knee arthroplasty and mechanically aligned total knee arthroplasty.
9.04am	Tom Ward - CT based preoperative models used to predict hip range of motion neglect the effect of soft tissue impingement, resulting in significant errors.
9.12am	Session Finish

10.00am - 12.00pm Arthroplasty - Prosthetic Joint Infection Moderator: Dave Dewar

10.00am **David Campbell** - Survivorship following Debridement, Antibiotics and Implant Retention (DAIR) in 4693 infected total knee arthroplasties; long-term survival and repeat revision risks.

10.08am **David Campbell** - Excess Mortality associated with Hip Arthroplasty Revisions for infections persists beyond 10-years: a registry analysis

10.16am **David Dewar** - Comparison of DAIR and 2-stage Revision for Hip and Knee Periprosthetic Joint Infections using The Desirability of Outcome Ranking

10.24am **Edward O'Bryan** - Timing Of Arthroplasty Revision Is Associated With Subsequent Infection: A Registry Analysis

10.32am **Sarah Ellis** - To sonicate or not to sonicate?

10.40am **Christopher Jones** - Use of topical vancomycin powder in total joint arthroplasty: Why the current literature is inconsistent?

10.48am **Ryan Ting** - Kiwi Precedure Versus Two-Stage Revision for the Management of Periprosthetic Hip Joint Infection

10.56am **Saeed Asadollahi** - The outcome of early debridement, antibiotics, and implant retention in the management of prosthetic joint infection following unicompartmental knee replacement

11.04am **Stuart Callary** - Diagnosis and Treatment influence Hospital Costs of Revision Total Hip Arthroplasty: A Systematic Review and Meta-analysis

11.12am Invited Guest Speaker - Peter Sculco - Infection

1.00pm - 3.00pm Arthroplasty - Robotic Surgery Moderator: Dermot Collopy

1.00pm	Peter McEwen - Using Stressed HKA for alignment in Varus Knees show signs of improved early recovery.
1.08pm	Joshua Twiggs - Accuracy Testing of a Mixed Reality Headset for Femoral Cut Block Alignment During Total Knee Arthroplasty
1.16pm	Joshua Petterwood - The impact of change in mLDFA on short term post-operative outcome in TKR patients.
1.24pm	Jonathan Bigwood - Robotic-assisted surgery provides equivalent procedure duration and incidence of adverse events at 90 days to computer-navigated and instrumented methods for total knee arthroplasty in a public hospital setting: A comparative cohort observational study
1.32pm	Dermot Collopy - Manipulation under Anaesthetic: Rates, outcomes, and risk factors following robotic-assisted Total knee arthroplasty
1.40pm	Peter McEwen - Association between knee compartmental Laxity on Post-Operative Gait Quantity and Quality
1.48pm	Tom Ward - A novel method to stabilise the femur in flexion when balancing during total knee replacement surgery
1.56pm	Faseeh Zaidi - High in-vivo accuracy of a novel robotic-arm-assisted system for total knee arthroplasty: a retrospective cohort study
2.04pm	Matt Lyons - Robotic-Assisted Total Knee Arthroplasty Improves Accuracy and Reproducibility of the Polyethylene Insert Thickness Compared to Manual Instrumentation or Navigation
2.12pm	Simon Coffey - How Does Balance Profile Vary between Manual and Robotically Assessed Gaps in Total Knee Arthroplasty? A Comparative Study
2.20pm	Fabio Mancino - A prospective randomized controlled trial comparing CT-based planning with conventional total hip arthroplasty versus robotic arm-assisted total hip arthroplasty

2.28pm Invited Guest Speaker - Peter Sculco - Robotic surgery

Wednesday 16 October 2024

7.00am-8.00am Arthroplasty Educations - Panel Case Discussions

8.00am - 9.30am Arthroplasty Free Papers Moderator: Chris Wilson

8.00am	Edward O'Bryan - A comparison of small sized uncemented femoral stem performance in the AOANJRR
8.08am	Christopher Wilson - What is the Long-Term Wear of a 5 Megarad Cross-Linked Polyethylene Liner? A 14- year RSA Study
8.16am	Benjamin Murphy - Secondary patella resurfacing is associated with a higher risk of subsequent revision when compared to primary tricompartmental total knee replacements. This is predominantly due to increased rates of second revision for infection, loosening and pain after secondary patella resurfacing.
8.24am	Christopher Wilson - Increased late periprosthetic fracture rates in large Corail stems: Are collared Corail stems a better alternative?
8.32am	Edward O'Bryan - The Morbidity Of Revising Un-Resurfaced Patellae: An AOANJRR analysis
8.40am	Marco Schneider - Novel AI performs accurate hip-spine assessments in under a second
8.48am	Koki Abe - Spinal deformity and spinal stiffness are related to each other.
8.56am	Jonathan Baré - Increased risk of flexion impingement and posterior instability following Total Hip Arthroplasty
9.04am	Christopher Jones - Spine sagittal curvature measurement using smart phone
9.12am	David Shen - Patients with anterior pelvic rotation from standing to flexed seated are more likely to experience squeaking following ceramic-on-ceramic hip resurfacing.
9.20am	Linden Bromwich - Relaxed-seated radiographs are a poor surrogate for flexed-seated when assessing spinopelvic mobility risks in THA
9.28am	Finish

8.00am - 9.30am Arthroplasty Free Papers Moderator: Matt Lyons

8.00am	David Liu - Femoral head offset effects on abductor muscle function vary between total hip arthroplasty patients
8.08am	Andrea Aebischer - Outcomes of proximal femoral replacement for non-oncologic indications in Australia
8.16am	Joshua Twiggs - Sensitivity of Range of Motion to Impingement to 3-Dimensional Head Centre Recreation
8.24am	Fabio Mancino - The Clinical Frailty Scale is a Strong Predictor of 1-Year Mortality in Surgically Managed Hip Periprosthetic Fracture: An Analysis From a High-Volume Institution
8.32am	Boopalan Ramasamy - Total hip arthroplasty for acute acetabular fractures through the 'replace-in-situ' philosophy: clinical results
8.40am	Neil Bergman - Ceramic-on-Ceramic Total Hip Arthroplasty Using a Double Tapered, Proximally Coated Stem: 15 to 24-year Clinical and Radiologic Follow-up
8.48am	David Liu - Effects of acetabular cup medialization on muscle function vary between total hip arthroplasty patients
8.56am	Conor O'Driscoll - 10 Year Review of Revision Hip Arthroplasty Following Previous ASR Metal on Metal Hip Procedures
9.04am	Michael O'Sullivan - Metal Ion Blood Levels 2 years after Total Hip Arthroplasty with a Dual Mobility Prosthesis
9.12am	Session Finish

Thursday 17 October 2024

8.00am - 9.30am Arthroplasty Free Papers Moderator: Al Burns

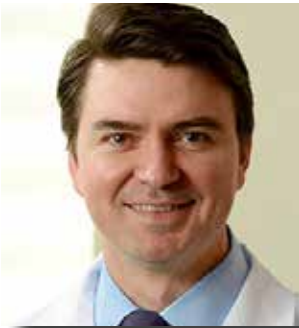
8.00am	Sang Hyun Kang - Trends in Knee Arthroscopy, arthroplasty, subsequent Arthroplasty and revision Arthroplasty in Queensland Population a retrospective cohort Study
8.08am	Daniel Hill - What is the clinical value of SPECT-CT in the evaluation of patients with an unexplained aseptic problematic cemented primary Total Knee Replacement?
8.16am	Lachlan Arthur - Mid-term Outcomes of the Fixed Bearing Lateral Oxford Unicompartmental Knee Replacement
8.24am	Lilian Lim - AI segmentation in clinically relevant complex orthopedic cases: a targeted study on developmental dysplasia of the hip
8.32am	Moreica Pabbruwe - Quantification of Polyethylene Wear in Fixed-bearing Unicompartmental Knee Arthroplasty: Insights from Retrieval Analysis
8.40am	Lachlan Arthur - Early Tibial Component Subsidence of the Cementless Oxford Unicompartmental Knee Replacement Does Not Compromise 5-Year Clinical Outcomes
8.48am	Lilian Lim - AI segmentation of hip CTs in a clinical population is robust to severity of osteoarthritis
8.56am	Simon Coffey - Predicting TKA Pain Outcomes with Patient Profile and Intraoperative Robotics Data using Machine Learning
9.04am	Alexander Nicholls - What is the Hip and Knee Arthroplasty Caseload of Senior Orthopaedic Trainees and Surgeons During their First Decade of Practice?
9.12am	Questions

8.00am - 9.30am Arthroplasty Free Papers Moderator: Jon Bare

8.00am	Christopher Jones - Automatic Pre-operative Femoral Stem Diaphyseal Fit for Total Hip Arthroplasty Using Machine Learning Method
8.08am	Richard Boyle - Implications of Functional vs Anatomic Femoral Anteversion on Combined Alignment Theories in THA
8.16am	Michael O’Sullivan - Association of Acetabular Cup Uncoverage with Groin Pain Following Total Hip Arthroplasty
8.24am	Mevlüt Sungu - Assessing Predictive Accuracy Of Ct-Based Planning In Hip Arthroplasty For Implant Alignment And Leg Length
8.32am	Daniel Hill - SPECT-CT may aid in determining which side of a stemmed implant problematic Total Knee Replacement is loose when planning revision surgery.
8.40am	Mevlüt Sungu - Evaluation Of Implant Alignment Versus Final Rasp Position In Hip Arthroplasty: An Intraoperative Study Utilizing C-Arm Imaging
8.48am	Chris Roberts - Development and Validation of 2D Video-Based Gait Analysis for Planning and Evaluation in Total Hip Arthroplasty
8.56am	Christopher Jones - Balancing Act: Exploring Hip Joint Dynamics Through Virtual Simulation
9.04am	Gregory Keene - Cementless TKA: the Relationship between Interference Fit and Early Micromotion of the Tibial Tray.
9.12am	Thomas M Grupp - Reduction Of Metal Ion Release In Cemented Hip Stems By A Zirconium Nitride Multilayer Coating – Simulating A Severe Stem Debonding Condition
9.20am	Questions

10.00am - 12.00pm	Arthroplasty - Knee	Moderator: David Liu
10.00am	Gavin Clark - What is the survivorship of simultaneous and sequential multiple partial knee replacement procedures?	
10.08am	Brett Fritsch - Is Lateral Femoral Condylar Hypoplasia Truly Present in Valgus Knees?	
10.16am	David Liu - Cementless tibial fixation results in slower recovery but equivalent outcome at 12 months in primary total knee arthroplasty	
10.24am	Manu Mathew - Comparison of clinical outcomes of Revision UKR and primary UKR with primary TKR a retrospective cohort study	
10.32am	David Morris - Poly exchange in TKR, when is it indicated and what are the outcomes? A registry-based analysis .	
10.40am	Jonathan Bare - Anatomical Tibial Rotational References and Outcomes in Total Knee Arthroplasty	
10.48am	Daniel Hill - Defining the incidence of Complex Regional Pain Syndrome following Total Knee Arthroplasty: A prospective multicentre observational study of 1026 patients with no cases of identified according to the Budapest criteria.	
10.56am	James Liu - An interlimb analysis of symmetry in bilateral total knee arthroplasty	
11.04am	Conor Gouk - What is the Surgeon Opinion Regarding Metal Allergy Prior to Arthroplasty? A survey of Orthopaedic Specialists.	
11.12am	Camdon Fary - Patient recovery following Total Knee Replacement is Multi-factorial: A Retrospective Analysis	
11.20am	Keynote Speaker - Peter Sculco	

1.00pm - 3.00pm	Arthroplasty - Hip	Moderator: Bill Walter
1.00pm	Jonathan Bar�� - Recreation of the native centre of rotation reduces high offset femoral constructs in THA	
1.08pm	Christopher Wilson - The Effect of Stem size on Peri-prosthetic Femoral Fracture risk of the Exeter V40 Femoral hip stem	
1.16pm	Remi Philippot - Post-Operative Dislocation Rates in a Large Prospective Continuous Series of Primary Total Hip Arthroplasties Using a Modern Dual Mobility Cup	
1.24pm	Boopalan Ramasamy - Abductor reconstruction with vastus lateralis to gluteus medius transfer	
1.32pm	John Abrahams - Total hip arthroplasty for acute acetabular fractures through the ‘replace-in-situ’ philosophy: Radiographic Outcomes.	
1.40pm	Remi Philippot- 10 to 15y Outcome of Monoblock Uncemented Dual Mobility Cup : Excellent survival rate and outcome in primary Total Hip Arthroplasty.	
1.48pm	Michael O’Sullivan - Patient-Reported Outcome Measures and Accuracy in Total Hip Arthroplasty: Is Near Enough Good Enough?	
1.56pm	Bryn Gilbertson - What are normal ranges of motion before impingement after total hip replacement?	
2.04pm	Stuart Callary - Hip Implants with Evidence of Phased Introduction have Improved Survivorship at Long-Term Follow-up	
2.12pm	Andrew Hardidge - Robotic Orthopaedic Surgery: An Outcome and Cost Analysis Comparison of Robotic and Non-Robotic Hip and Knee Replacements in an Australian Public Hospital - Austin Health	
2.20pm	Invited Guest Speaker - Peter Sculco	



Invited Guest Speaker
Peter Sculco
United States



7.00am-8.00am	Sports Knee	Education Sessions - Case Discussions	Panel: tba
8.00am-9.30am	Sports Knee	Free Papers	Tibial Slope
8.00am	Cindy Zeng - Posterior Tibial Slope, Meniscal Slope, and Lateral Meniscal-Bone Angle are Risk Factors for ACL Injury: A Systematic Review		
8.10am	Cindy Zeng - Lateral and Medial Posterior Tibial Slope are Risk Factors for ACLR Graft Failure: A Systematic Review and Meta-Analysis		
8.20am	Peter McEwen - Posterior Tibial Slope in Failed ACL Reconstruction Utilising Patellar Tendon Autograft		
8.30am	Discussion		
8.40am	Raoulis Vasileios - Surgical Implications of the Arterial Anatomy around the Knee: A Cadaveric Pictorial Essay		
8.50am	Michael Dan - Radiographic Investigation of Coronal Plane and Patellar Height and Changes Following Tibial Deflection Osteotomy for Correction of Tibial Slope in Combination With ACL		
9.00am	Peter McEwen - Anterior Closing Wedge HTO to Correct Aberrant Tibial Slope in ACL Injury and Re-injury		
9.10am	Sam Shales - POSARI STUDY: Does the difference in lateral and medial posterior tibial slope in the ACL deficient knee contribute to high grade rotational instability?		
9.20am	Discussion		

1.00pm - 2.05pm	Sports Knee	ACL	Moderator: David Parker
1.00pm	Invited Guest Speaker - Dan Wascher - How I assess and manage Multiligament knee injuries-from assessment in A&E to dealing with complications -		
1.10pm	Dibakar Sarkar - Combined reconstruction of the medial collateral ligament and anterior cruciate ligament using ipsilateral semitendinosus tendon and opposite semitendinosus with ipsilateral gracilis tendon: A Minimum one-Year Follow-up		
1.16pm	Jon Anderson - Predicting Anterior Cruciate Ligament Reconstruction Revision Risk using an Enhanced Machine Learning Analysis of the Danish Knee Ligament Reconstruction Registry		
1.22pm	Dhruv Praveen - Predictive Factors of Graft Rupture following Anterior Cruciate Ligament Reconstruction: A Systematic Review and Meta-Analysis		
1.28pm	Pei-Wei Chi - Can athletic footwear design features reduce anterior cruciate ligament loads during single-limb landing in young females?		
1.34pm	Stefan Mogos - Superior rotational stability and lower re-ruptures rate after combined ALL and ACLR compared to isolated ACLR		
1.40pm	Invited Guest Speaker - Francois Kelberine - Mucoïd Degeneration of the ACL		
1.50pm	Discussion		

2.05pm - 3.00pm	Sports Knee	Paediatric and Meniscus Section	Moderator: Peter McEwen
2.05pm	Justin Roe - Intercondylar Notch Morphology Changes After Transphyseal Anterior Cruciate Ligament Reconstruction in Skeletally Immature Knees.		
2.11pm	Sarthak Chopra - Children Are More Confident And Recover Quadriceps Strength Faster Than Adults In Functional Limb Testing Measured At 9 Months Post Acl Reconstruction.		
2.17pm	Marlena Urvater - Risk factors for paediatric meniscal pathology concomitant to anterior cruciate ligament rupture		
2.23pm	Karl Eriksson - Meniscus substitution using autologous semitendinosus tendon graft. Technique and available results		
2.29pm	Rahul Kakria - Comparison of suture versus bony fixation in meniscal allograft transplantation (MAT) outcomes: A meta-analysis		
2.35pm	Gilbert Moatshe - Meniscal root tears		
2.41pm	Discussion		



Invited Guest Speaker
Francois Kelberine
France



Invited Guest Speaker
Dan Wascher
United States



Sponsors

Premier



Platinum

Smith+Nephew



stryker

Major



Event



AOA Alliance Partner



Conference Disclaimer

The program for this Annual Scientific Meeting (AOA) is correct at the time of publication. However, the Australian Orthopaedic Association (AOA) reserves the right to change dates, the program and speakers without notice as a result of circumstances beyond its control.

The information contained in any documents and publications contained in the ASM conference package and presentations provided at the ASM (Conference Information) is of a general nature and may have been provided at least in part to AOA by third parties. While reasonable care has been exercised to ensure the accuracy of Conference Information, AOA, its officers, directors, employees and agents do not make any representation, guarantee or warranty whether express or implied as to the accuracy, reliability, completeness or currency of Conference Information nor its usefulness in achieving any purpose. Conference attendees and

AOA members are responsible for making their own enquiries as to the accuracy, reliability and completeness of any Conference Information before taking any action based on it. Conference Information may be amended from time to time. Conference attendees and AOA members should make their own enquiries regarding any amendments or alterations to any Conference Information. Conference Information does not constitute medical or professional advice. Conference attendees and AOA members should obtain appropriate medical or professional advice relevant to their own particular circumstances.

To the maximum extent permitted by law, AOA does not accept any:

- responsibility for any opinions, advice or information contained in Conference Information, given or otherwise provided at the ASM; or
- liability (direct or indirect) in contract, tort (including negligence) or otherwise for any injury, loss, claim, damage, incidental or consequential damage, arising out of, or in any way connected with, the use of, or reliance on, any Conference Information, or any error, negligent act, omission or misrepresentation in Conference Information and you waive all potential rights against AOA in this regard.

AOA is committed to diversity and gender equality in healthcare and to removing any practices that hinder that commitment. AOA strives to implement this commitment through its policies, practices and inclusive culture. It is an expectation that every individual who attends an AOA meeting is respected and treated equally regardless of their cultural background, gender, role or particular circumstance. Adherence to this expectation extends to invited speakers/presenters who are required to develop and review the content of their presentation/s to ensure they meet AOA's commitment. AOA reserves the right to remove Conference Information or prohibit a presenter from presenting at the ASM if the content of the presenter's Conference Information does not adhere to these requirements.

Any complaints about discrimination will be dealt with by the Professional Conduct & Standards Chair. (admin@aoa.org.au)

Australian Orthopaedic Association Limited
Suite 1, Level 26, 201 Kent Street
Sydney NSW 2000
Tel: 61 2 8071 8000
Website: aoa.org.au





MAKING DATA THE SOLUTION
13–17 October, Brisbane, Queensland



**REGISTER
NOW**

www.aoa.org.au

