

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 cas and Q&A.

STATE OF ORTHOPEDIC ORIGIN QUIZ

Monday 14 October 2024 5.30pm - 6.30pm

Champions are gearing up to defend their title,

Don't miss out!

OWL Soriee Tuesday 15 October 2024 5.30pm - 6.30pm

Join us for an hour of networking with your colleagues, featuring a keynote presentation by Dehorah 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 24

3.30pm 5.30pm

5.30pm-6.30pm

Social

Registration

Presidents Reception

Hand

Spine

Trauma

Origin Quiz

(Invite only)

State of Orthopaedic

Presidents Dinner

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		Hand	Education Paediatrics	Sessions Arthoplasty	Sports Knee
8.00am - 9.30am		General Trauma	Free Paper - Con Arthroplasty x 2 Paediatrics	current Sessions 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

Plenary - Paediatrics

OWL Soriee

Industry Dinners

AOA Business

Gala Dinner

AOA Fellowships &

Award Ceremony

R G R O



Provisional Program

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

Brisbane Convention & Exhibition Centre Brisbane, Queensland, Australia



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			



11.45am

Discussion

WEDNESDAY 16 October 2024

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







WEDNESDAY 16 October 2024

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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 Al use and risks in healthcare
 Fiona Maclean - Pathologists, Franklin Al

 1.50pm Modern mathematical techniques to analyse heathcare datasets
 Dimetre Perin 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

Michael Johnson AOA President Moderator

Panel discussion

2..40pm





MONDAY 14 October 2024

1.00pm - 3.00pm Foot & Ankle

Moderators: Sonja Schleimer & Peter Stavrou

1.00pm Invited Guest Speaker - Jonny Sharr - Management of ankle arthritis in RA: replacements v fusion.

- 1.20pm James Barnett The use of Membrane Induced Osteogenesis for Bone Defects in the Foot and Ankle
- 1.30pm Daniel Hill What is a tibial Pilon fracture and how should they be acutely managed?

 A survey of foot and ankle specialists and non-specialist consultant surgeons
- 1.40pm **Daniel Hill** The acute management of Pilon fractures (ENFORCE) Study: A national evaluation of practice in the United Kingdom.
- 1.50pm Naveen Mareddy Post-operative functional outcomes in patients with retained syndesmosis screws compared to patients who have undergone removal
- 2.00pm Aarohanan Raguragavan Lateral plate versus lag screw only fixation of unstable distal fibula ankle fractures: a systematic review
- 2.20pm Jordy White Effectiveness of radiotherapy in the treatment of plantar fibromatosis



Invited Guest Speaker Jonny Sharr New Zealand



MONDAY 14 October 2024

7.00am - 8.00am Hand Education Sessions Case Discussions Panel: TBA

1.00pm - 3.00pm Hand Moderator: TBA

1.00pm Invited Guest Speaker - Martin Caloia

1.20pm Alex Buxton - Finger-pointing to the wrong conclusion? Pilot study into the validity of common method of assessing for integrity of

Flexor Digitorum Superficialis by blocking Flexor Digitorum Profundus function

- 1.30pm Annora Ai-Wei Kumar Surgical management of thumb carpometacarpal osteoarthritis: A systematic review, network meta-analysis, and longitudinal analysis of surgical complications.
- 1.40pm Susie Lee Developing a patient-specific surgical cutting guide for iliac crest bone graft harvesting using computer aided design software: proof-of-concept study
- 1.50pm Greg Couzens Pattern of Capsular Ligament Injuries in Scapholunate Ligament Injuries
- 2.00pm Mark Ross Modular Approach to Carpal Instability
- 2.10pm Michael Sandow Carpal Mechanics and the stable central column
- 2.20pm Greg Bain New concepts in the assessment and management of carpal instability
- 2.30pm Libby Anderson TBA
- 2.40pm Steve Frederiksen Ulnar sided wrist pain
- 2.50pm Invited Guest Speaker- Martin Caloia

3.30pm - 5.30pm Hand Moderator: TBA

3.30pm Invited Guest Speaker - Martin Caloia

- 3.50pm Tanya Burgess Dupuytrens disease and role of radiation therapy
- 4.00pm Greg Couzens Intramedullary fixation for metacarpal and phalangeal fractures
- 4.10pm **Steve Frederiksen** Intramedullary nailing in athletes
- 4.20pm Greg Bain The role of advanced surgical training models in developing wrist surgery

4.30pm Invited Guest Speaker- Martin Caloia

4.50pm Case based discussion -

Panel: Martin Caloia, Greg Couzens, Greg Bain, Tanya Burgess and Mark Ross



Invited Guest Speaker
Martin Caloia
Argentina



MONDAY 14 October 2024

8.00am - 9.30am Trauma Free Paper 8.00am Mark Bowditch - Keynote speaker - President, British Orthopaedic Association

- 8.30am **Drew Tarrant** The incidence of unplanned return to the operating room and the natural history of inflammatory marker trends after pelvic and acetabulum fracture surgery
- 8.40am Kevin Tetsworth Group Pile Theory: implications for Optimised Fracture Fixation
- 8.50am Kevin Tetsworth Definitive Treatment Alternatives After First Stage Masquelet: Various Treatment Options and the Clinical Outcomes Associated
- 9.00am Kevin Tetsworth Using Biomimetic Hematoma as an Autologous Carrier for rh-BMP2
 Delivery to Potentiate Healing of Complex Bone Injuries: Preliminary Clinical Series to
 Assess Safety and Efficacy
- 9.10am Nymke Trouwborst 3D fracture assessment is predictive of native hip survivorship after nonoperative treatment of acetabular fractures
- 9.20am Simon Thwaites Conventional PROMs may be unable to discern differences in patient outcomes between tibial nailing approaches: interim results from a pilot RCT comparing suprapatellar versus infrapatellar nailing at 3 years of recruitment and 18 months follow-up



Moderator: tbc

Invited Guest Speaker
Frank Liporace
United States

Australian Orthopaedic

Trauma Society

1.00pm - 3.00pm Trauma Around the world

- 1.00pm Emil Schmetisch Keynote speaker Orthopaedic Trauma Association
- 1.30pm Douglas Lundy Keynote speaker Orthopaedic Trauma Association
- 2.00pm Len Marais Keynote speaker South African Orthopaedic Association
- 2.30pm Invited Guest Speaker Frank Liporace, USA

3.30pm - 5.30pm AOTrauma International Symposium

- 3.30pm Pierre Guy Keynote speaker Canadian Orthopaedic Association
- 4.00pm Marinis Pirpiris Data Driven Change in Trauma Outcomes
- 4.30pm Hoon-Sang Sohn Keynote speaker AO Trauma Asia Pacific
- 5.00pm Jamal Ashraf Keynote speaker Asia Pacific Orthopaedic Association

MONDAY 14 October 2024

3.30pm - 5.30pm Spine

- 3.30pm Invited Speaker Alexander Ghanayem, President American Orthopaedic Association
 3.50pm Fraser Labrom Three-dimensional segment-specific deformity parameters are useful
- variables in modelling progression risk in adolescent idiopathic scoliosis patients
- 3.55pm Megan Rochford Using data to inform patients undergoing lumbar discectomy
- 4.00pm Q&A
- 4.05pm Mario Zotti What is the prevalence of high central sensitisation of subjects treated for spinal pain and is it predictive of treatment dissatisfaction?
- 4.10pm Stone Sima Nociceptive pain assessed by the PainDETECT questionnaire may predict response to opioid treatment for chronic low back pain.
- 4.15pm Stone Sima The Association Between Inflammatory Biomarkers and Low Back Disorder: A Systematic Review and Meta-analysis
- 4.20pm Mario Zotti Application of an adapted technique for performance of basivertebral nerve ablation for expanded indications in vertebrogenic pain: early experience and review of literature
- 4.25pm Q&A

4.30pm Invited Speaker - Arif Khan, AOA Asia Pacific Guest Professor

- 4.45pm Stone Sima Imaging Predictors of Progression of Lumbar Spondylolysis to Spondylolisthesis: A Systematic Review
- 4.50pm Stone Sima Comparative Analysis of Minimally Invasive Transforaminal Lumbar Interbody Fusion Outcomes in Spondylolisthesis, Degenerative Disc Disease and Revision Surgery.
- 4.55pm Q&A
- 5.00pm Bernarda Cavka Spine virtual fracture clinics: an effective alternative to outpatient clinics
- 5.05pm Olivia Sibillin Management of Stable Suboccipital Cervical Spine Fractures in the Virtual Healthcare Setting
- 5.10pm Q&A
- 5.15pm Sue Liew TBA
- 5.20pm Close



Invited Guest Speaker Alexander Ghanayem United States



Invited Guest Speaker
Arif Khan



SPINE

SOCIETY OF

AUSTRALIA

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

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

5am **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

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 3602 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 Al

am 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

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

.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

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

Moderators:



Tuesday 15 October 2024

7.00am-8.00am Paedatrics Education Sessions - Cases Panel:

8.00am 9.30am Paedatrics 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 Meniscopexy, 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.



Orthopaedic Society

Tuesday 15 October 2024

10.00am - 12.00pm ANZORS Moderator: Martina Barzan

10.00am Michael Schuetz- Queensland University of Technology - Ingredients to improve orthopaedic clinical care through translational research - What to consider

10.20am Paige Little - Queensland University of Technology - TBA

10.40am Christopher Carty - Griffith University - Implementation of computational modelling into paediatric orthopaedic clinical practice

11.00am Nathalie Bock - Queensland University of Technology - TBA

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

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



Moderator: Kevin Tetsworth

Moderator: TBA

Tuesday 15 October 2024

1.00pm - 3.00pm ALLARS (Limb Reconstruction)

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



1.00pm-3.00pm APOA

Topic: Building the Future Orthopaedic Workforce

in the Asia Pacific region





Tuesday 15 October 2024



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

Richard de Steiger - Stakeholder Perspectives on short- stay joint replacement

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

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. Christopher Wilson - A multi-disciplinary program for opioid sparse arthroplasty results in reduced long-term opioid consumption: a four year

8.48am Chris Wall - Do patients with osteoarthritis lose weight prior to elective joint replacement?

Margot Aalders - Role of Pain Catastrophizing on Functional Outcomes, Pain and Quality Of Life after Total Hip Arthroplasty

Stephen Gill - Monitoring patients following primary hip and knee joint replacement surgery - evaluating a remote questionnaire-based model at a

Phong Tran - Development of a Digital Health Intervention to Support Patients on a Waitlist for Orthopedic Specialist Care: Co-Design Study

Tom Ward - "Best practice pathway for knee osteoarthritis (OA)": Efficiencies for patients and surgeons when advanced practice physiotherapy

screening is implemented. Session Finish

9.28am

8.00am - 9.30am **Arthroplasty Free Papers - Alignment**

Moderator: David Liu

Keran Sundaraj - Changes In Coronal Plane Alignment of the Knee Phenotypes After Total Knee Replacement With Robotic Systems

David Liu - Assessment of Coronal Joint Laxity and the Coronal Alignment of the Knee (CPAK) Classification System

Dermot Collopy - Is the Native Patellofemoral Track Restored in Total Knee Arthroplasty? Mechanical vs Kinematic Alignment.

Gavin Clark - Tibial Components Placed in Constitutional Varus Following TKA: A Minimum 5-year Survivorship Analysis. 8.24am

8.32am Faseeh Zaidi - The Impact of Coronal Plane Alignment of the Knee (CPAK) Classification on Early Functional Outcomes after Primary Total Knee

Jay Jefferies - Recreating constitutional alignment in TKR by referencing and reproducing the posterior condyle anatomy - New Technique using ROSA software planning and implementation.

Rami Sorial - "Impact of CPAK change on Outcome of Robot Assist TKA with MA alignment - Retrospective analysis

Gavin Clark - A prospective, double-blinded randomised controlled trial comparing outcomes after functionally aligned total knee arthroplasty and mechanically aligned total knee arthroplasty.

Tom Ward - CT based preoperative models used to predict hip range of motion neglect the effect of soft tissue impingement, resulting in significant 9.04am

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 Lucian Bogdan Solomon - 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 Justin Roe - Accuracy Testing of a Mixed Reality Headset for Femoral Cut Block Alignment During Total Knee Arthroplasty

Joshua Petterwood - The impact of change in mLDFA on short term post-operative outcome in TKR patients. 1.16pm

Jonathan Bigwood - Robotic-assisted surgery provides equivalent procedure duration and incidence of adverse events at 90 days to 1.24pm computer-navigated and instrumented methods for total knee arthroplasty in a public hospital setting: A comparative cohort observational study

Dermot Collopy - Manipulation under Anaesthetic: Rates, outcomes, and risk factors following robotic-assisted Total knee arthroplasty

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

Matt Lyons - Robotic-Assisted Total Knee Arthroplasty Improves Accuracy and Reproducibility of the Polyethylene Insert Thickness Compared to

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 armassisted total hip arthroplasty

2.28pm Invited Guest Speaker - Peter Sculco - Robotic surgery

ASM 244 MAKING DATA THE SOLUTION AOA 13–17 October, Brisbane, Queensland

Wednesday 16 October 2024



7.00am-8.00am **Arthroplasty Educations - Panel Case Discussions**

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

Edward O'Bryan - A comparison of small sized uncemented femoral stem performance in the AOANJRR

Christopher Wilson - What is the Long-Term Wear of a 5 Megarad Cross-Linked Polyethylene Liner? A 14- year RSA Study

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

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

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.

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-

9.20am Linden Bromwich - Relaxed-seated radiographs are a poor surrogate for flexed-seated when assessing spinopelvic mobility risks in THA

Finish 9.28am

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

Joshua Twiggs - Sensitivity of Range of Motion to Impingement to 3-Dimensional Head Centre Recreation

Fabio Mancino - The Clinical Frailty Scale is a Strong Predictor of 1-Year Mortality in Surgically Managed Hip Periprosthetic Fracture: An Analysis 8.24am From a High-Volume Institution

8.32am Ella Tessarolo - Femoral strain distribution in hip resurfacing arthroplasty and total hip arthroplasty: a Sawbone study using the KOBRA robotic arm

Boopalan Ramasamy - Total hip arthroplasty for acute acetabular fractures through the 'replace-in-situ' philosophy: clinical results

8.48am Mohammad Darwish - Ceramic-on-Ceramic Total Hip Arthroplasty Using a Double Tapered, Proximally Coated Stem: 15 to 24-year Clinical and Radiologic Follow-up

8.56am David Liu - Effects of acetabular cup medialization on muscle function vary between total hip arthroplasty patients

9.04am Conor O'Driscoll - 10 Year Review of Revision Hip Arthroplasty Following Previous ASR Metal on Metal Hip Procedures

Michael O'Sullivan - Metal Ion Blood Levels 2 years after Total Hip Arthroplasty with a Dual Mobility Prosthesis

Thursday 17 October 2024



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

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

Lilian Lim - Al segmentation in clinically relevant complex orthopedic cases: a targeted study on developmental dysplasia of the hip

Moreica Pabbruwe - Quantification of Polyethylene Wear in Fixed-bearing Unicompartmental Knee Arthroplasty: Insights from Retrieval Analysis Lachlan Arthur - Early Tibial Component Subsidence of the Cementless Oxford Unicompartmental Knee Replacement Does Not Compromise 5-Year 8.40am

8.48am Lilian Lim - Al segmentation of hip CTs in a clinical population is robust to severity of osteoarthritis

Simon Coffey - Predicting TKA Pain Outcomes with Patient Profile and Intraoperative Robotics Data using Machine Learning

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

Clinical Outcomes

8.00am - 9.30am **Arthroplasty Free Papers**

Moderator: Jon Bare

Christopher Jones - Automatic Pre-operative Femoral Stem Diaphyseal Fit for Total Hip Arthroplasty Using Machine Learning Method

Richard Boyle - Implications of Functional vs Anatomic Femoral Anteversion on Combined Alignment Theories in THA 8.08am

Michael O'Sullivan - Association of Acetabular Cup Uncoverage with Groin Pain Following Total Hip Arthroplasty 8.16am 8.24am Mevlüt Sungu - Assessing Predictive Accuracy Of Ct-Based Planning In Hip Arthroplasty For Implant Alignment And Leg Length

Daniel Hill - SPECT-CT may aid in determining which side of a stemmed implant problematic Total Knee Replacement is loose when planning

Mevlüt Sungu - Evaluation Of Implant Alignment Versus Final Rasp Position In Hip Arthroplasty: An Intraoperative Study Utilizing C-Arm Imaging 8.40am

Chris Roberts - Development and Validation of 2D Video-Based Gait Analysis for Planning and Evaluation in Total Hip Arthroplasty 8.48am

8.56am Christopher Jones - Balancing Act: Exploring Hip Joint Dynamics Through Virtual Simulation

Gregory Keene - Cementless TKA: the Relationship between Interference Fit and Early Micromotion of the Tibial Tray.

Thomas M Grupp - Reduction Of Metal Ion Release In Cemented Hip Stems By A Zirconium Nitride Multilayer Coating - Simulating A Severe Stem 9.12am **Debonding Condition**

9.20am Questions

Thursday 17 October 2024 (Continued)

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 The use of isolated polyethylene insert exchange at first time revision TKR to address wear is favourable but should be avoided in other indications. A registry based analysis.
- 10.40am Jonathan Bare Anatomical Tibial Rotational References and Outcomes in Total Knee Arthroplasty
- 10.48am **Brian Rui Kye Chee** Does Ultra-Early Physical Therapy After Total Knee Arthroplasty Lead To A Shorter Length Of Stay And Better Functional Outcomes?
- 10.56am 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.
- 11.04am James Liu An interlimb analysis of symmetry in bilateral total knee arthroplasty
- 11.12am Conor Gouk What is the Surgeon Opinion Regarding Metal Allergy Prior to Arthroplasty? A survey of Orthopaedic Specialists.
- 11.20am Camdon Fary Patient recovery following Total Knee Replacement is Multi-factorial: A Retrospective Analysis
- 11.28am Keynote Speaker Peter Sculco

1.00pm - 3.00pm Arthroplasty - Hip

Moderator: Bill Walter

- 1.00pm Jonathan Baré 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 Philippot Remi Post-Operative Dislocation Rates in a Large Prospective Continuous Series of Primary Total Hip Arthroplasties Using a Modern Dual Mobility Cun
- 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 Philippot Remi 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 Bogdan Solomon Hip Implants with Evidence of Phased Introduction have Improved Survivorship at Long-Term Follow-up
- .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



Thursday 17 October 2024

Sports Knee

7.00am-8.00am Sports Knee Education Sessions - Case Discussions Panel: tba

Free Papers Tibial Slope

One Cinte 7 and Destrois This Clare Maniscal Clare and Lateral Maniscal Dans Andrew Bid. Fortune for ACI laise and Control

- 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

8.00am-9.30am

- 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
- 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 Mucoid 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



Moderator: Justin Roe

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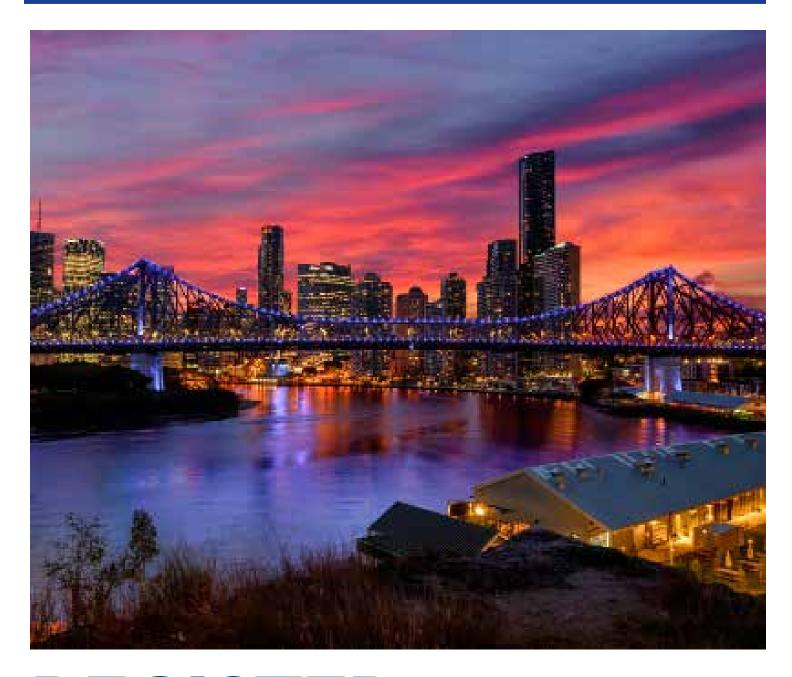
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