

SCIENTIFIC PROGRAM

Combined QLD Branch and QORF Meeting



QORF

Queensland Orthopaedic
Research Fund

9-10 June 2023,

Queensland University of Technology,

QLD



AOA
AUSTRALIAN
ORTHOPAEDIC
ASSOCIATION

Friday 9 June

REGISTRAR FREE PAPERS

12:15pm - Lunch and Registration

1:00pm Welcome and Acknowledgment to Country. **David Liu**

1:00pm - 5:00pm REGISTRAR FREE PAPERS SESSION. Moderator: David Liu. Judges: Jon Anderson, Ross Crawford, Phil Duke

1:10pm Study to Establish the Disability Weight and country-specific Utility Weights for Developmental Dysplasia of the Hip. **Helena Franco (Virtual)**

1:20pm Total hip Arthroplasty using modern bearings in patients less than 30 years of age: A study of 1,991 total hip replacements from the Australian Orthopaedic Association National Joint Replacement Registry. **Shutong Mo**

1:30pm A Comparison of Spinopelvic Motion and its Effect on Patient Reported Outcome Measures Post Robotic Total Hip Arthroplasty. **Jeremy Day**

1:40pm Total Hip and Knee Arthroplasty Follow Up Survey of Orthopaedic Surgeons. **Stewart Wales**

1:50pm The Effect of Incisional Negative Pressure Wound Therapy on Ankle Fracture Surgical Site Infection (ENPASS) – Pilot Phase for a Randomised Controlled Trial. **Nicholas Croker (on behalf of QORRC)**

2:00pm It's More Than Distance: Investigating Risk Factors for Non-Attendance at Fracture Clinics in Far North Queensland. **John Maunder**

2:10pm Higher complication rates of geriatric and fragility ankle fractures treated with tibiocalcaneal nails. **Jordy White**

2:20pm Can Vitamin C improve hand and wrist function and decrease pain post distal radius fracture fixation: a prospective double blinded randomised control trial? **Ian Verrall**

2:30pm AFTERNOON TEA

3:00pm Wooden-based foreign body infections in Orthopaedic surgery: a retrospective review of empirical antibiotic coverage. **Heidi Freeman**

3:10pm Ten-year trend and indications of lower extremity amputation in Metro South Health: A retrospective study. **Dong Yu**

3:20pm Bloodstream infection-associated native joint septic arthritis in Queensland, 2000-2019. **Luke Visscher**

3:30pm Effect of Preoperative Psychological Factors on Shoulder Surgery Outcomes. **Dong Yu**

3:40pm Prospective radiographic and functional assessment of tunnel widening after anterior cruciate ligament reconstruction using two different tendon fixation techniques. **John Kinyanjui**

Friday 9 June (cont)

REGISTRAR FREE PAPERS

REGISTRAR FREE PAPERS SESSION (cont)

3:50pm Do four-strand half peroneus longus tendon grafts have a similar yield load to failure when compared to four-strand semitendinosus tendon grafts? **Christopher Kleimeyer**

4:00pm Bony morphological parameters in valgus and non-valgus aligned paediatric patients with anterior cruciate ligament (ACL) rupture: a magnetic resonance imaging (MRI) study. **Alexander Seeto**

4:10pm Randomised controlled trial of tourniquet associated pain generated in lower limb after exsanguination by Esmarch bandage versus leg elevation. **Alexander Mitrichev**

4:20pm The Effects of Lower Extremity Rotational Malalignment on Pediatric Patient-reported Outcomes Measurement and Information System (PROMIS) Scores. **Richard Hannan**

4:30pm A retrospective review of the safety and efficacy of continuous epidural analgesia following posterior spinal fusion for adolescent idiopathic scoliosis. **Maisha Jamali**

4:40pm Quantifying the Typical Sequential Progression of Adolescent Idiopathic Scoliosis at Intervertebral Discs and Vertebrae: A Longitudinal Study of Three Dimensional Deformity. **Fraser Labrom**

4:50pm END OF DAY

Saturday 10 June

QORF Collaborative Meeting - "Connecting Musculoskeletal Research in Queensland - The Future Is Now"

- 8:30am Welcome - Acknowledgement to Country. **David Liu**. *Orthopaedic Surgeon, QLD Scientific Secretary*
- 8:35am Opening Speaker - why are we here - QORFCC. **Ross Crawford**. *Orthopaedic Surgeon, Chair, QORFCC.*
- PLENARY SESSION - INNOVATIONS IN MSK CARE. Moderator: Ross Crawford**
- 8:40am Artificial Intelligence in MSK research and Australian Research Council Training Centre for Medical Implant Technologies (ARC CMIT) update. **David Lloyd**. *Professor of Biomechanical Engineering, Griffith University, Director, CMIT Research Program and Director GCORE.*
- 9:00am Bone bio-mechanics – what’s new. **Saulo Martelli**. *Associate Professor, Biomedical Engineering and Biomechanics, QUT.*
- 9:15am Osteoarthritis - It's not what you think it is. **Indira Prasadam**. *Senior Lecturer, School of Mechanical, Medical and Process Engineering. QUT.*
- 9:25am What the consumer really wants to know - how we know. **Jessica Neri**. *Health Promotion Manager, Arthritis Queensland.*
- 9:40am Bone Deformation Tool for finite element analysis of the femur to aid clinical diagnoses and surgical planning. **Alireza Yahyaiee Babil**. *PhD, Griffith Centre of Biomedical and Rehabilitation Engineering, Gold Coast, Advanced Design and Prototyping Technologies (ADaPT) Institute, Griffith University, Gold Coast.*
- 9:50am Discussion
- 10:15am MORNING TEA
- QUEENSLAND ORTHOPAEDIC RESEARCH FUND & RECIPIENT PAPERS. Moderator: Phil Dalton**
- 10:40am Introduction. **Phil Dalton**. *Orthopaedic Surgeon, General Director, QORF Board.*
- 10:50am The Effect of Virtual Reality on Perioperative Experience whilst Undergoing Wide-Awake, Local-Only Hand Surgery (ViRtUALS study): A randomised, placebo-controlled trial. **Michael Erian**. *PHO, Queen Elizabeth II Jubilee Hospital, QLD.*
- 10:55am Bartons Distal Radius Fracture Study. **William Fairbairn**. *Orthopaedic Trainee/PHO, QUT/HBI/MERF.*
- 11:00am Safety and Effectiveness of Early Weight Bearing in Patients following Open Reduction Internal Fixation of Unstable Ankle Fractures. **James Wheeler**. *PHO, GCUH and QUT.*
- 11:05am Discussion

Saturday 10 June (cont)

QORF Collaborative Meeting - "Connecting Musculoskeletal Research in Queensland - The Future Is Now"

REGISTRIES AND BIG DATA. Moderator: Bill Vicenzino

- 11:10am **Keynote speaker:** Embedding clinical research into everyday practice. **Catherine McDougall**. *Orthopaedic Surgeon. Chief Medical Officer, Queensland.*
- 11:30am Establishing the Paediatric Australian Spine Registry (pASR). **Selina Ho**. *Research Engineer, QUT.*
- 11:40am Proportion of Obesity in Stable SCFE is Higher than in Unstable SCFE: A multicentre, international prospective Registry Study. **David Bade**. *Orthopaedic Surgeon. Chair, AOA QLD Branch.*
- 11:50am Data and the AOANJRR. **Michael McAuliffe**. *Orthopaedic Surgeon, Deputy Registry Clinical Director, NJRR.*
- 12:05pm LUNCH
- 1:05pm Patient-reported impairment following total knee arthroplasty is reduced when a computationally simulated predicted ideal alignment is achieved. **David Liu**. *Orthopaedic Surgeon, AOA QLD Scientific Secretary.*
- 1:15pm WorkCover and MSK injuries – the data story. **Tanya Cambey**. *WorkCover Queensland.*
- 1:25pm Registries and big data in musculoskeletal trauma. **Kirsten Vallmuur**. *Professor and Chair of Trauma Surveillance and Data Analytics, Australian Centre for Health Services Innovation and the Jamieson Trauma Institute, QUT.*
- 1:40pm Discussion

CONNECTING PEOPLE IN RESEARCH. Moderator: Greg Couzens

- 2:05pm **Keynote speaker:** MSK and orthopaedic research in QLD - what are the opportunities for greater connection. **Bill Vicenzino**. *Professor in Physiotherapy, School of Health and Rehabilitation Sciences, University of Queensland.*
- 2:25pm Isolated lumbar extension (ILE) resistance training is effective at improving extension power and disability in subject with diagnosed lumbar multifidus (LM) dysfunction. **James Smith**. *Scientist/Medical Student, Griffith University.*
- 2:35pm Creating an orthopaedic registrar research collaborative - Queensland Orthopaedic Registrar, Research Collaborative (QORRC). **Nicholas Croker**. *Orthopaedic Trainee, AOA QLD Registrar Representative.*
- 2:45pm Regional and remote research - the challenge of geographical spread - Orthopaedic Research Institute of Queensland (ORIQL). **Peter McEwen (virtual)**. *Orthopaedic Surgeon, Director, ORIQL*
- 3:00pm The clinical and cost-effectiveness of lumbar fusion surgery compared to best conservative care for patients with persistent, severe low back pain: the FORENSIC-AUS trial protocol. **Shaun O'Leary**. *PhD, Clinical Academic in Physiotherapy, University of Queensland and Royal Brisbane and Womens Hospital.*
- 3:10pm Discussion
- 3:35pm MEETING CLOSE
- 3:40pm AFTERNOON TEA: EPOSTERS AND NETWORKING
- 4:40pm CLOSE

Conference Details

Venue

Owen J Wordsworth Room, Level 12, S Block, Gardens Point Road, Brisbane
(Gardens Point Campus)

Map: [CLICK HERE](#)

CPD hours allocated

Friday 9 June = 3.5 hours

Saturday 10 June = 6 hours

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