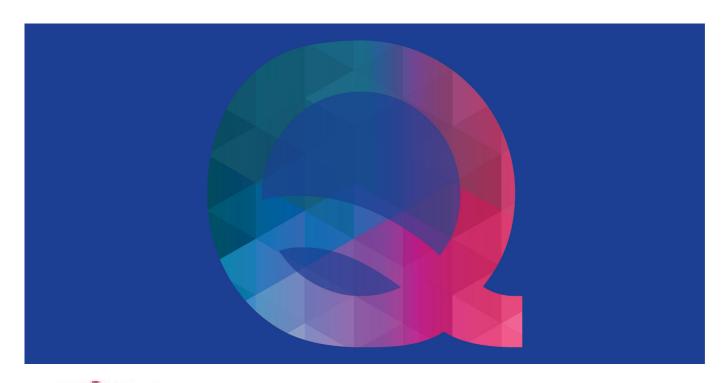
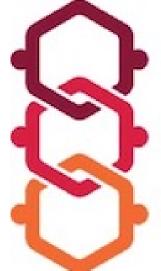
PROVISIONAL PROGRAM

AOA QLD Branch Registrar Papers Day and QORF MSK Research Meeting





QORF

Queensland Orthopaedic Research Fund

22-23 March 2024

Owen J Wordsworth Room,

Queensland University of Technology, QLD





2024 AOA Queensland Branch Registrar Papers Day and QORF Collaborative MSK Research Meeting

Friday 22 March 2024

REGISTRAR FREE PAPERS

•	Registration
•	Welcome and Acknowledgment to Country. Michael Lutz
2:00pm - 6:15pm REGISTRAR FREE PAPERS SESSION. Judges: Ross Crawford, Zhenya Welyczko, Mark Moroney	
2:10pm	Improving orthopaedic drilling accuracy with SawBone model practice. Karn Bal
2:20pm	Analysis of bilateral scaphoid symmetry: volumetric and geometric analysis using computer tomography 0.5mm slice-thickness. Michael Roberts
2:30pm	The Transformative Impact of AI on Medical Research: A Prospective Outlook. Aiden Jabur
2:40pm	Discussion
2:46pm	Disparities of vertebral body and intervertebral disc deformity offer original indicators of progression risk in adolescent idiopathic scoliosis patients. Fraser Labrom
2:56pm	Target blood pressure ranges following paediatric spinal deformity correction for neuromuscular scoliosis: A Retrospective Review Protocol. Grace Pulling
3:06pm	Do patients with osteoarthritis lose weight prior to elective joint replacement? Susie Lee
3:16pm	Discussion
3:22pm	High Fat Diet Induces Deleterious Macroscopic And Microscopic Changes In The Rabbit Femur. Hayman Lu
3:32pm	Marijuana Use and Associated Complications after Anterior-Cruciate Ligament Reconstruction in an Adolescent Patient: a Matched Control Study. Helena Franco
3:42pm	Acute Admission Cost Variance Due to Episodes of Care Changes in Two Acute Orthopaedic Wards. James Wheeler
3:52pm	Discussion
3:58pm	Afternoon Tea
4:30pm	Non-tuberculous mycobacterial bone and joint infections. Andrew Foster
4:40pm	Interhospital transfer of 3B Open Tibia Fractures leads to similar complication rates compared to patients who presented to tertiary trauma centres initially. Hamid Popul
4:50pm	Discussion

Friday 22 March 2024 (cont)

REGISTRAR FREE PAPERS

REGISTRAR FREE PAPERS SESSION (cont)

- 4:54pm The impact of Orthopaedic career information sessions in Far North Queensland High Schools.

 Callum Fryer
- 5:04pm Are all chondrosarcomas secondary? An evaluation of prior imaging and prodromal symptoms in presumed primary lesions. **Julian Pietrzycki**
- 5:14pm The Epidemiology of Surgical Intervention for Sports and Leisure Related Injuries in Queensland.

 Daniel Brimm
- 5:24pm Discussion
- 5:30pm Relationship between knee joint morphological parameters and laxity assessment quantitative in paediatric patients with anterior cruciate ligament rupture. **Alexander Seeto**
- 5:40pm Factors influencing hamstring graft diameter in paediatric anterior cruciate ligament reconstruction. **Darren Hinton**
- 5:50pm Review of the implementation of Redcliffe Hospital Newborn Screening Protocol for Developmental Dysplasia of the Hip. **TBC**
- 6:00pm Discussion
- 6:06pm Session closes

6:30pm - 8:30pm: Fireside chat. Including Networking Event & ePosters. Moderator: Tim McMeniman. Panelists: Matt Hislop (Brisbane Broncos Team Doctor), Luke Anning (Senior Physiotherapist, Brisbane Broncos and QLD State of Origin, and Matt Ballin (Brisbane Broncos Assistant Coach, ex-QLD State of Origin and NRL Premiership Winner)





2024 Combined AOA Queensland Branch and QORF Meeting

Saturday 23 March 2024

QORF Collaborative Meeting - "Musculoskeletal management of the 'athlete' - weekend warrior to the elite"

7:30am Registration
7:55pm Welcome and Acknowledgment to Country. Ross Crawford
8:00am THE ATHLETES KNEE SESSION. Moderator: Tim McMeniman
8:00am ACL Biomechanics. David Saxby (Associate Professor and Senior Lecturer, Griffith University)
8:10am TBC. Gavin Lenton (Product Lead (Measurement), Vald and Postdoctoral Research Fellow, Griffith University)
8:20am Hamstring Rehabilitation. Anthony Shield (Associate Professor, Faculty of Health, School of Exercise & Nutrition Sciences, QUT).
8:30am ACL Registries - Children's. David Bade (Orthopaedic Surgeon and Adjunct Associate Professor, Griffith University, QLD).
8:40am SELECTED ABSTRACT: Can 3D Surface Scanning increase accuracy of meniscal allograft tissue sizing? A virtual library at Queensland Tissue Bank (QTB). Huynh Nguyen (Research and Development Officer, Queensland Tissue Bank (QTB).
8:47am Meniscal Repair - current research. Peter Myers (Orthopaedic Surgeon and Clinical Associate Professor, Department of Surgery and Adjunct Professor, Department of Human Movement and Nutrition Sciences, University of Queensland).
8:57am Synthetic meniscus. <i>Justin Cooper-White</i> (Head of School, School of Chemical Engineering, Faculty of Engineering, Architecture and Information Technology and ProfessorAustralian Institute for Bioengineering and Nanotechnology, University of Queensland)
9:07am Discussion
9:30am HANDANDWRISTINJURIESSESSION. Moderator: Greg Couzens
9:30am Cybathlon: Human digital twin to improve performances of individuals using bionic prostheses. Laurent Frossard (<i>Professor, Menzies Health Institute - GCORE, Griffith University, QLD</i>)
9:40am NX Nail Product Development. Michael Maurer (Vice President, Technology at Field Orthopaedics and Physiotherapist, University of Queensland).
9:50am SELECTEDABSTRACT: The Epidemiology of Surgical Intervention for Sports and Leisure Related Injuries in Queensland. Daniel Brimm (Orthopaedic PHO, GCUH/Jaimeson Trauma Institute, QLD)
9:57am QORFGRANT RECIPIENT: Biomechanical Analysis of Ridged Dorsal Wrist Backslabs. Alexander Mitrichev (PHO, School of Engineering and Built Environment, Griffith University).

10:20am MORNINGTEA AND EPOSTERS

10:50am QORFUPDATE Moderator:Phil Dalton

10:50am QORF Update: 2024 Grants and QLD MSK Research Network. Phil Dalton (Orthopaedic Surgeon and General Director, QORF).

11:00am Discussion

Saturday 23 March 2024 (cont)

Collaborative Meeting - "Musculoskeletal management of the 'athlete' - weekend warrior to the elite"

11:05am FOOT AND ANKLE SESSION. Moderators: Michael Lutz and Luke Kelly 11:05am TBC. Luke Kelly (Associate Professor, School of Health Sciences and Social Work, Griffith University). 11:15am TBC. Michelle Smith (Associate Professor, School of Health and Rehabilitation Science, Faculty of Health and Behavioural Sciences, University of Queensland). Achilles tendon and dangers returning to sport. James Barnett (Foot and Ankle Clinical 11:25am

11:35am Discussion

11:55am SHOULDERSESSION, Moderator: Nadine Foster

Fellow, Mater Hospital Brisbane).

11:55am Shoulder biomechanics - previous and future research. Max Lavaill (Postdoctoral Fellow, ARC Training Centre for Joint Biomechanics, QUT)

12:05pm QORF GRANT RECIPIENT: CROSS-RSA (Clinical and Radiographic Outcome Score Study in Reverse Shoulder Arthroplasty) - Correlation of implant distalisation and lateralisation with functional outcomes. Fiachra O Deasmhunaigh (PHO, Sunshine Coast University Hospital).

12:10pm What type of exercise and exercise delivery is best for rotator cuff-related shoulder pain. Peter Malliaras (Virtual) (Professor and Associate Professor at Monash University, VIC)

12:20pm Current and future: impingement and rotator cuff research. Nadine Foster (Professor, University of QLD)

12:30pm SELECTED ABSTRACT: Deep Transfer Learning Approach For Shoulder Abnormalities Detection Using X-Ray Images. Laith Alzubaidi (Postdoctoral Research Fellow In Machine Learning for BiomedicalTechnologies, School of Mechanical, Medical, and Process Engineering, QUT)

12:37pm Discussion

12:55pm Meeting Close

1:00pm LUNCH AND EPOSTERS AND NETWORKING (Owen J Wordsworth Room)

1:30pm Lunch concludes

Thank you to the Centre of Biomedical Sciences, Queensland University of Technology foragain hosting this meeting.





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