



ASM 2023

Scientific Program

16 -19 November 2023



Alan Getood



Dr. Al Getgood is an Associate Professor at the University of Western Ontario and orthopaedic surgeon and clinician scientist specialising in complex knee reconstruction at the Fowler Kennedy Sport Medicine Clinic, London, Ontario. He completed his primary medical degree at the University of Edinburgh followed by orthopaedic residency and a research Doctorate (MD) at the University of Cambridge. His fellowship training included time in London (Ontario), Banff (Alberta) and Coventry (UK).

Dr. Getgood's clinical practice focuses on complex soft tissue reconstruction of the knee. He has been successful in securing over 9 million dollars in peer reviewed and industry funded grants to build his pre-clinical and clinical research program focusing on complex ligament reconstruction and joint preservation. Particular achievements include being awarded the J Edouard Samson Research award from the Canadian Orthopaedic Foundation in May 2021, the premier research award for career research in Canadian Orthopaedics. He also received the American Journal of Sports Medicine Hughston Award in 2023, the American Orthopaedic Society of Sports Medicine (AOSSM) 2019 O'Donoghue Sports Injury Award, the 2019 Jan Gillquist Award and the 2017 Albert Trillat Young Investigator award (both from the International Society of Arthroscopic Knee surgery and Orthopaedic Sports medicine -ISAKOS), all for the ISAKOS/OREF funded multicentre STABILITY study investigating the use of lateral extra-articular tenodesis in ACL reconstruction.

Furthermore, Dr Getgood has recently been awarded CIHR and NIH grants (5.3 million CAD) for the follow up STABILITY 2 study, investigating different graft choices in ACL reconstruction. Further awards have included the Ontario Early Researcher Award in 2016 and a Canadian Foundation for Innovation JELF award which has provided support for laboratory research staff and infrastructure respectively.

Dr. Getgood has authored over 160 peer-reviewed articles and numerous book chapters. He has given over 200 national and international conference presentations, lectures and demonstrations. He is a member of the ACL Study Group Board of Directors and is the 2025 ISAKOS Biennial Congress program Chairman. Dr. Getgood is a member of the Herodicus Society, ESSKA, ICRS and a founding member of the International Meniscus Reconstruction Forum (IMReF). He was the 2019 ICRS Annual congress clinical program chair, the ACL study group program chair in 2023, deputy program chair for ISAKOS in 2023 and was a member the program committee for ESSKA 2020 biennial congresses.

Dr Getgood also works as a visiting surgeon at the International Knee and Joint Clinic, Abu Dhabi, United Arab Emirates, and the Aspetar Sport Medicine Clinic, Doha, Qatar.



Laurie Hiemstra



Dr Hiemstra is a Fellowship trained orthopaedic surgeon working in Banff, Canada. She holds an Associate Professor appointment at the University of Calgary. The clinical and research program in Banff is focused on knee ligament injury, prevention of secondary injury, rehabilitation and surgical outcomes with an emphasis on ACL injury and reconstruction and patellofemoral instability. Laurie is on the Board of Directors of the Patellofemoral Foundation, Banff Sport Medicine Foundation, Canadian Orthopaedic Association (COA) and the International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS). Laurie has published over 75 peer reviewed papers and is a national and international speaker.

Laurie obtained her Medical Degree from the Memorial University of Newfoundland, completed an orthopaedic residency at the University of Manitoba, and a Clinical Fellowship in Orthopedic Sport Medicine at the University of Western Ontario. She also attained a PhD in Neuromuscular Physiology. Laurie has worked as an Orthopaedic Surgeon at Banff Sport Medicine since 2005. Her clinical focus is on patellofemoral instability and ACL reconstruction.

Laurie is the current President of the Canadian Orthopaedic Association (COA)

She is also an active member of many sport medicine organizations including the the Arthroscopy Association of Canada (AAC), International Society of Arthroscopy, Knee and Orthopedic Sports Medicine (ISAKOS), European Society for Sport Traumatology, Knee Surgery and Arthroscopy (ESSKA) Arthroscopy Association of North America (AANA), the American Orthopedic Society of Sports Medicine (AOSSM), and the International Patellofemoral Study Group.

Dr. Hiemstra has a keen interest in gender diversity and inclusion in orthopaedic surgery. She is the chair of the Gender Diversity and Inclusion Task Force for both the COA and for ISAKOS. She is a founding member of the International Orthopaedic Diversity Alliance (IODA) and Women in Orthopaedics Worldwide (WOW). She is the chair of the Gender Diversity and Inclusion Task Force for both the COA and for ISAKOS.

Guest Speakers

Thursday 16 November 2023

3.30pm Coach departure from AOA ASM - Melbourne Convention Centre

6.30pm Welcome Cocktail party - Cape Schanck

Friday 17 November 2023

8.00am Welcome- Hayden Morris

MERV CROSS OBITUARY (DAVID WOOD)

Session 1 Moderator: Hayden Morris

8.15am **Invited Speaker - Laurie Hiemstra - MPFL Reconstruction: Principles and Tunnel Position**

8.30am **Sheanna Maine** - Comparison of Gait Analysis in Patellofemoral dislocator and Control subjects using an Individualised Subject Specific Gait model.

8.34am **Julia Kirby (Julian Feller)** - Medial patellofemoral ligament reconstruction is safe in the skeletally immature patient but is the reduction in patella height all just normal growth?

8.38am **Shahram Shahrokhi (Greg Keene)** - A Comparison of Autograft vs Allograft for Medial Patellofemoral Reconstruction With or Without Tibial Tubercle Osteotomy

8.42am **Simon Talbot** - Quadriceps tendon malalignment is an independent anatomical deformity which is the predominant deformity associated with lateral facet patellofemoral osteoarthritis (LFPFJOA)

8.47am Discussion

Moderator: Justin Roe & Peter McEwen

9.00am **Invited Speaker - Alan Getgood - Are there longer term consequences of LET?**

9.15am **David Parker** - Does Lateral Extra-Articular tenodesis in ACL reconstruction enhance graft healing? A Matched Cohort Study.

9.20am **Peter Annear** - Anterior Cruciate Ligament Reconstruction using Autologous Hamstrings Augmented with Ligament Augmentation and Reconstruction System (LARS) permits an earlier Return to Sport compared with Hamstrings Alone: A Comparative Cohort Study.

9.25am **Andy Williams** - Extra-Articular Knee Ligament Reconstructions Using LARS (Ligament Augmentation and Reconstruction System) Synthetic Grafts in Elite Athletes

9.30am **Tim Whitehead** - Lateral extra-articular tenodesis is associated with an increased rate of subsequent procedures for motion deficit or cyclops lesion following primary anterior cruciate ligament reconstruction

9.35am **Tim McMeniman** - The effects of notch clearance during ACL reconstruction on knee stability.

9.40am Discussion

10.00am Morning Tea

Session 2 Moderator: Tim Whitehead & Tim Musgrove

10.20am **Invited Speaker - Laurie Hiemstra - Approach to the Patient with PFI**

10.35am **Ross Radic** - A Randomised Controlled Trial Comparing Hamstring Tendon Versus Quadriceps Tendon Autograft In Anterior Cruciate Ligament Reconstruction: 2-Year Clinical Results.

10.40am **Björn Barenius (Hayden Morris)** - Long-term outcomes after acute ACL reconstruction (ACLR) within 8 days of injury, or delayed ACLR after normalized range of motion (ROM) 6-10 weeks after injury a Randomized controlled Trial.

10.45am **Ammann Elias (Ross Radic)** - Sex-based differences after anterior cruciate ligament reconstruction and the effect of a quadriceps versus hamstrings tendon autograft.

10.50am Discussion

10.55am **Lachlan Batty (Julian Feller)** - Systemic biomarkers of type 2 collagen metabolism suggest a reparative response in the first year following ACL reconstruction.

11.00am **Peter McEwen** - Adenosine, Lidocaine and Magnesium (ALM) therapy modulates early sex-specific inflammatory and immune responses ALM following experimental anterior cruciate ligament rupture and reconstruction

11.05am **Keran Sundaraj (Justin Roe)** - Outcomes of ACL Reconstruction Utilizing Supercritical CO2 Sterilized Allografts

11.10am Discussion

Moderator: Ross Radic

11.20am **Lachlan Batty (Julian Feller)** - The Effect of Tibial Tunnel Drilling Technique on Retained Intra-Articular Bone Debris Following Anterior Cruciate Ligament Reconstruction

11.35am **Julian Feller** - The effect of age and femoral tunnel drilling technique on the prevalence of intra-articular pathology at both primary and revision ACL reconstruction

11.50am **Tim Lording** - Medial meniscal and bony slopes are higher in knees with failed ACL reconstruction than in patients with successful ACL reconstruction

11.55am Discussion

12.05pm Lunch

1.00pm Recreation Afternoon

6.30pm Welcome Dinner - Port Philip Estate

Saturday 18 November 2023

Session 3 Moderators: Julian Feller & Jonathan Negus

8.00am **Invited Guest Speakers- Laurie Hiemstra & Alan Getgood - Case discussions**

8.30am **David Parker** - How should we define success after anterior cruciate ligament reconstruction: return to sport vs patient satisfaction?

8.35am **Payam Tarassoli (Brett Frisch)** - Objectively measured knee laxity using two independent arthrometers does not predict outcomes following ACLR in a large cohort of patients

8.40am **Ross Radic** - Lower Limb Hop Performance in Patients 6 months Following Anterior Cruciate Ligament Reconstruction

8.45am **Alex Nicholls** - Do children differ from adults in functional limb testing measured at 9 months post ACL reconstruction?

8.50am Discussion

Moderators: Sam MacDessi & Peter Annear

9.00am **Invited Speaker - Alan Getgood - Effect of partial sMCL injuries on anteromedial laxity**

9.15am **Sheanna Maine** - Variability in instrumented laxometry assessment of anterior tibial displacement in paediatric patients following anterior cruciate ligament injury

9.20am **Justin Roe** - Timing of ACL Reconstruction in Adolescents to Mitigate Secondary Meniscal or Chondral Pathology

9.25am **Justin Roe** - Intercondylar Notch Morphology Changes After Transphyseal Anterior Cruciate Ligament Reconstruction in Skeletally Immature Knees.

9.30am **Ivan Astori** - Bony morphological parameters in valgus and non-valgus aligned paediatric patients with anterior cruciate ligament (ACL) rupture: a magnetic resonance imaging (MRI) study

9.35am **Pavel Kotlarsky (Hayden Morris)** - Preferred technique and safe corridor to reduce physeal injury during lateral extra-articular tenodesis procedure in children and adolescents.

9.40am Discussion

Moderators: Sheanna Maine & Richard Clarnette

9.50am **Iswadi Damasena (Cameron Northworthy)** - Comparison of outcomes for Meniscal Allograft Transplantation using suture-only versus bony-fixation techniques: A systematic Review.

9.55am **Peter Davies (Peter Myers)** - Outcomes of fibrin clot augmented arthroscopic meniscal repair in cases considered to be at higher risk of failure.

10.00am **Rainer Seibold** - Results after Arthroscopic Repair of Large Meniscus Bucket Handle Tears of the Knee

10.05am **Francois Tudor** - Meniscus Transplant: a case series of 39 cases with analysis of causes of the re-operation or graft failure.

10.10am **Jobe Shatrov (Andy Williams)** - Comparative Biomechanical Study of Medial Collateral Ligament Reconstructions

10.15am Discussion

10.30am Morning tea

Session 4 - Moderator: Bruce Caldwell & Cameron Northworthy

11.00am **Guest Lecture- John Bartlett: Freddie Fu Lifetime Achievement award**

11.15am **George Jacob (Myles Coolican)** - Is the Knee Out Straight? Well, it Depends

11.20am **Tony O'Neill (Michael Reid)** - What is the Correlation between Coronal Plane Alignment Measured on Preoperative and Postoperative Weightbearing Radiographs and Intraoperative Navigation when Stress is Applied to the Knee?

11.25am **Gavin Clark** - Functional alignment better replicates native knee kinematics than mechanical axis alignment in cruciate retaining total knee arthroplasty.

11.30am **Payam Tarassoli (Brett Fritsch)** - Examining alignment strategy in reverse; what is actually achieved has no apparent impact on clinical outcome in TKA

11.35am Discussion

11.45am **Sam MacDessi** - Coronal Plane Alignment of the Knee (CPAK) type differs according to the Kellgren Lawrence grade. A radiographic study using artificial intelligence in 17,365 knees

11.50am **Price Gallie** - Accuracy of CPAK classification – a comparison of manual measurement on EOS scan vs computer generated measurement on 3D CT scan

11.55am **Andrew Shimmin** - Does change in CPAK phenotype with TKA intervention impact patient outcome?

12.00pm Discussion

Moderator: David Wood & Ben Parkinson

12.05pm **Anthony Leong (Samuel MacDessi)** - Does osteophyte resection have a significant effect on coronal plane balance in total knee arthroplasty?

12.10pm **Peter McEwen** - Different patterns of final balance for total knee arthroplasty identified using intra-operatively collected robotic laxity metrics, a descriptive analysis.

12.15pm **Peter McEwen** - Lateralising the prosthetic trochlear sulcus relative to the native sulcus improves the medial pivot of the totally replaced knee

12.20pm Discussion

12.30pm **Price Gallie** - Five-year survivorship of robotic versus non-robotic assisted total knee arthroplasty: Data from the Australian Orthopaedic Association National Joint Replacement Registry

12.35pm **David Dickison** - Unicompartmental Knee Replacement - Does Robotic Assistance make a difference in outcome with respect to surgeon experience?

12.40pm **Myles Collican** - Does the Indication and Timing for Revision Unicompartmental Knee Replacement Alter the Outcome?

12.45pm Discussion

1.00pm Lunch

Saturday 18 November 2023 (Continued)

Session 5 Case Presentations Moderators: TBC

1.45pm Case #1
2.00pm Case #2
2.15pm Case #3
2.30pm Case #4
2.45pm Case #5
3.00pm Case #6

3.15pm Afternoon Tea

3.30pm AKS annual business meeting (AKS MEMBERS ONLY)

6.30pm Gala Dinner - Cape Schanck

Sunday 19 November 2023

Session 6 Moderators: Greg Witherow & Mike Reid

9.00am **Burt Klos (John Bartlett)** - High Incidence of ALL /Segond avulsion in High Resolution Ultrasound Imaging
9.15am **Burt Klos (John Bartlett)** - Validation of dynamic ultrasound imaging in partial and complete anterior cruciate ligament tears; a retrospective study in 249 patients
9.20am **Brian Devitt** - Resolution of Kaplan Fiber injury is observed in a majority of cases at 9-months following acute primary anterior cruciate ligament reconstruction: A radiological study
9.25am **Steve Lawrie** - ACL Graft Maturation Assessment via MRI: A Comparative Study of Four Different Graft Types and Surgical Procedures
9.30am Discussion
9.40am **Magnus Forsblad (Karl Eriksson)** - The Swedish ACL registry – Trends and the future
9.45am **Karl Eriksson** - The Swedish national ligament registry. Multi-ligament injuries; incidence, treatment, results and revisions
9.50am **Yoon Kyoung Ho (Tim Lording)** - My 25 years' experience of PCL injury
9.55am Discussion

Moderator: Chris Vertullo

10.05am **Peter D'Alessandro** - Patients Undergoing Reconstruction for Multi-Ligament Knee Injuries caused by Pivoting Sports Restore Function and Return to Sport at a Similar Level to their Isolated ACL Counterparts: A Prospective Matched Cohort Study
10.10am **Peter Annear** - Development of a proximal hamstring tear MRI-based scoring tool, assessment of repair status and correlation between clinical and MRI-based outcomes after proximal hamstring surgical repair.
10.15am **David Wood** - The Frequency in Nature of Nerve Injury After Proximal Hamstring Avulsions Assessing Causation by Trauma and Iatrogenic Means
10.20am Discussion
10.30am Morning Tea

Session 7 Moderators: Alex Nicholls & Peter D'Alessandro

10.50am **Rhee Seung Joon (Tim Lording)** - Hybrid Lateral Closed-Wedge High Tibial Osteotomy Showed Similar Accuracy in Angular Correction and Reduction of Posterior Tibial Slope Compared to Opening-Wedge High Tibial Osteotomy: A Correction Angle Matched Cohort Study
10.55am **David Parker** - Survivorship of medial open wedge high tibial osteotomy for medial compartment osteoarthritis: factors explaining conversion to total knee arthroplasty.
11.00am **Min Jung (Tim Lording)** - Cartilage repair using particulated costal allograft
11.05am **Sat Gohil (Peter Annear)** - Early experience with fresh osteochondral allograft transplantation for large osteochondral defects of the knee
11.10am **Alistair Mayne (Peter D'Alessandro)** - Outcomes following isolated mosaicplasty fixation of unstable knee osteochondritis dissecans; a combined mechanical and biological solution?
11.20am Discussion
11.30am **Greg Janes** - Tibial Post Fractures in Smith and Nephew Posterior Stabilised Total Knee Arthroplasty
11.34am **Matt Liptak** - Maxm skate - the evolution of an evidence based digital and Tangible rehabilitation solution for total knee replacements.
11.38am **Chris Vertullo** - Does everyone really need Physiotherapy after Knee Arthroplasty? The Knee Arthroplasty Physiotherapy Pathways (KAPPA) trial.
11.42am **Roger Paterson** - Arthroscopic synovectomy of Knee Replacements with post-op corticosteroid injections
11.46am Discussion
11.55am Closing Remarks
12.00pm Meeting Closed / Lunch

1.00pm Coach Transfers depart to Melbourne Airport

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