

ASM 2025

Scientific Program

16-19 October 2025



Guest Speaker - Anders Troelsen



Anders Troelsen is a professor of Orthopaedics at the Copenhagen University Hospital in Hvidovre, Denmark. He serves as a senior consultant performing knee and hip arthroplasty. He has a particular focus on individualizing the treatment of knee osteoarthritis based on wear patterns by means of unicompartmental knee arthroplasties. In his current practice 2 of 3 patients receive a unicompartmental knee arthroplasty.

In the past years, Anders Troelsen cooperated on publishing more than 270 peer-reviewed papers in national and international journals. In the recent literature he has contributed to an increased understanding of the benefits of unicompartmental knee arthroplasty and how to optimize outcomes.

In 2025 Anders Troelsen is the president of the European Knee Society (EKS).

Guest Speaker - Volker Musahl



Volker Musahl, MD, is Professor of Orthopaedic Surgery and Bioengineering at the University of Pittsburgh, Chief of Sports Medicine at the UPMC Freddie Fu Sports Medicine Center, Program Director of the Sports Medicine fellowship program, and associate head team physician for the University of Pittsburgh Football team. Prof. Musahl has received numerous honors and awards and has published over 400 peer reviewed publications. He is Deputy Editor-in-Chief of Knee Surgery, Sports Traumatology, Arthroscopy (KSSTA). His research interests are broad, but his main focus is on the clinical and basic science of knee and shoulder injuries in athletes. He serves as Co-Director of the Orthopaedic Robotics Laboratory, a state-of-the-art robotics laboratory which is the first of its kind in the United States. His research interests include clinical outcomes research and biomechanics of the knee and shoulder. He is currently Co-Principal Investigator for two large scale multi-center randomized control trials, on knee ligament injuries. The STABILITY II trial funded by the NIH (National Institute of Health). The project aims to determine if graft type (QT, BPTB, i.e., Quadriceps tendon or Patella tendon) with or without a lateral extra-articular tenodesis (LET) affects the rate of graft failure two years after anterior cruciate ligament reconstruction (ACL-R), patient-reported outcomes, donor site morbidity, complications and adverse outcomes, and Cost-effectiveness of ACLR and LET. He is Co-Principal Investigator of the STAR (Surgical Timing and Rehabilitation) for MLKIs). The purpose of this study is to investigate effects of timing of surgery (early vs. delayed) and timing of post-operative rehabilitation (early vs. delayed) for the treatment of military personnel and civilians that sustain a multiple ligament knee injury. This is a department of defense (DOD) study. He is also Co-Investigator for the POETT trial (Predicting the Outcome of Exercise Therapy for Treatment of Rotator Cuff Tears). This study is an NIH grant. This trial aims to develop diagnostic methods to allow surgeons to determine whether

Guest Speaker - Jan Victor



Professor Dr Jan Victor obtained his medical degree in 1985 from the University of Leuven and his board certification in orthopaedic surgery on August 6th, 1991. His clinical career is dedicated to the treatment of knee pathology, including arthroscopy, soft tissue procedures, osteotomy and joint reconstruction.

From 1991 to 1995, he was staff member at the department of orthopaedic surgery at Leuven University Hospitals. From 1995 to 2011, he was staff member of the Department of Orthopaedics Surgery at St-Lucas General Hospital, Bruges, where he became head of the department in 2010. In 2009 he obtained his PhD with the thesis 'A Comparative Study on the Biomechanics of the Native Human Knee Joint and Total Knee Arthroplasty'. In 2011 he was appointed Professor at Ghent University and Chairman of the Department of Orthopaedic Surgery and Traumatology at the Ghent University Hospital.

He has published over 180 papers in international peer-reviewed journals, published several books and wrote multiple chapters on knee pathology and surgery in orthopaedic handbooks. He is reviewer for a significant number of peer-reviewed journals in the field of orthopaedics and biomechanics.

He was president of the Belgian Society of Orthopaedic Surgery and Traumatology in 2002 and 2003. He is founding member of the Belgian Knee Society (BKS) of which he was President from 1999 to 2001. Since 2005 he is an active member of the American Knee Society. He was president of the European Knee Society in 2016 (EKS) and is board member since. He is honorary lifetime member of the International Society for Technology in Arthroplasty (ISTA). He is a member and scientific advisor of the European Federation of National Associations of Orthopaedics and Traumatology (EFORT) and the American Association of Orthopaedic Surgeons (AAOS). He organised multiple national and international congresses and participated as a speaker at numerous orthopaedic meetings worldwide.

He was awarded several times (best scientific exhibit AAOS 2009, John Insall Award 2009, Ranawat Award 2011, American Knee Society, honorary membership of SOFCOT). He holds several patents in the field of knee arthroplasty and co-designed several implants and surgical instruments.



Venue: Crowne Plaza Hobart
110 Liverpool Street Hobart
Phone: 61 (03) 6213 4200

Thursday 16 October 2025

6.30pm Welcome Cocktail party - Crowne Plaza Hobart- Club Floor

Friday 17 October 2025

7.30am Registration
8.00am Welcome - **Myles Coolican and Sam MacDessi**

Session 1 - Moderators - Myles Coolican and Julian Feller

8.15am Guest Lecture: ACL surgery in athletes - Volker Musahl

8.30am Five-Year Survival Analysis of ACL Graft and Contralateral ACL Ruptures From the OrthoSport Victoria Longitudinal ACL Outcomes Study - **Julian Feller**

8.35am Posterior Tibial Slope $\geq 12^\circ$, Static Anterior Tibial Translation, Age <18 and Lateral Meniscus Tears Are Majors Risk Factors for Hamstrings Graft Rupture: a Cohort Analysis of ACL Reconstruction Using a Selective Approach to Lateral Extra-Articular Tenodesis. - **Michael Dan**

8.40am Discussion

8.50am Higher day of surgery serum Matrix Metalloproteinase-3 concentration is associated with failing to achieve the KOOS-4 and IKDC patient acceptable symptom state at 6 years after anterior cruciate ligament reconstruction - **Lachlan Batty**

8.55am ACL Graft Failure after Anterior Cruciate Ligament Reconstruction using Hamstring Tendon Autograft without Lateral Extra-articular Procedures in Young, High Risk Athletes - **Justin Roe**

9.00am Exploring Patient and Healthcare Worker Expectations in ACL Surgery (EXPECT-ACL Study): How Patients, Parents, and Medical Professionals Differ in Prioritizing ACL Recovery Outcomes - **Alex Nicholls**

9.05am Discussion

Moderators: Peter McEwen and Karl Eriksson

9.20am Guest Lecture: MCL Surgery - Volker Musahl

9.35am Isolated Clinically Diagnosed Grade I-II Lateral Collateral Ligament Injuries in Elite Athletes Do Not Require Surgery - **Andy Williams**

9.40am Peroneus longus autograft yields better knee strength 6 months after ACL reconstruction compared to hamstrings autograft - **Ross Radic**

9.45am Discussion

9.57am Increased rate of re-operation for limited range of motion when performing a lateral extraarticular procedure in primary ACL reconstruction with quadriceps tendon compared to hamstring tendon grafts - **Julian Feller**

10.02am The addition of Lateral Extraarticular Tenodesis doesn't affect the pain or confidence levels after ACL reconstruction in adolescent athletes - **Karthik Pradyumna**

10.07am Short- to Mid-Term Outcomes of Primary Anterior Cruciate Ligament Reconstruction with BTB Autograft and Lateral Extra-Articular Tenodesis in Young Athletes: A Case Series - **Tim McMeniman**

10.12am Discussion

10.30am Morning Tea

Session 2 Moderators: David Broe and Sheanna Maine

10.50am Limb Symmetry and Sex-Specific Differences in Isokinetic Knee Strength Following ACL Reconstruction: A Statistical Parametric Mapping Analysis - **Ian Al'Khafaji**

10.55am Sex differences exist in landing patterns and estimates of tibial loading during a triple forward hop task 9-12 months post ACL reconstruction: a cross-sectional study - **Tim Whitehead**

11.00am Discussion

11.10am Identifying ACL injured patients who can safely avoid surgery : Outcomes from a surgeon-led structured rehabilitation pathway - **Alex Nicholls**

11.15am Short-term Outcomes of the Cross Brace Protocol for ACL Rupture Management: A Prospective Cohort Study - **David Parker**

11.20am ACL Repair is a valid alternative to ACL Reconstruction in appropriately chosen patients - **Ross Radic**

11.25am Patient Factors Influencing Surgical versus Conservative Management Recommendations in Patients with ACL Injury - **Justin Roe**

11.30am Discussion

12.00pm Wellness Afternoon

6.15pm Welcome Dinner - Frogmore Winery (Coaches depart from Crown Plaza)



Saturday 18 October 2025

Session 3 - Moderators: Sam MacDessi and David Parker

8.00am Guest Lecture: The Danish experience with unicompartmental knee arthroplasty - Report from a high usage country - Anders Troelsen

8.15am Comparison of Mobile-Bearing Movement during Non-Weight Bearing Knee Flexion and Squatting in Mobile-Bearing UKA - **Takahiro Arakawa**

8.20am Old Dogs and New Tricks. Kinematic Alignment of the Oxford Unicompartmental Prosthesis - **Peter McEwen**

8.25am Episurf mini metal implant in the knee. A 5 year follow up of a European multicenter study - **Karl Eriksson**

8.30am Discussion

8.45am Guest Lecture: The knee, an evolutionary experiment - Jan Victor

9.00am Restriction Boundaries for Robotic Assisted Kinematic Total Knee Arthroplasty - **Peter McEwen**

9.05am Altering Joint Line Height is not routinely required for either Hyperextension or Fixed Flexion Deformity when utilising Functional Alignment in Total Knee Arthroplasty - **Gavin Clark**

9.10am In total knee arthroplasty performed with functional alignment, pre-operative fixed flexion deformity can be corrected without additional femoral bone resection - **Price Gallie**

9.15am Extension Gap Tightening is Greater in Patients with Pre-operative Flexion Contracture and Coronal Varus - **Tim Whitehead**

9.20am Discussion

Moderators: Hayden Morris and John Bartlett

9.40am Evolution and emerging trends in the Japanese Knee Society - **Takumi Nakagawa**

9.50am TKR – Changes made over two decades; Have they helped? - **Tony Ganko**

9.55am The Fabella in Total Knee Arthroplasty is like Tasmania, Rediscovered - **Jonathan Mulford**

10.00am Automatic Detection of Surgeon Total Knee Alignment Philosophies using Real World Robotic Data - **Peter McEwen**

10.05am Discussion

10.20am Morning Tea

Session 4 - Moderators: Jon Mulford and Tim Lording

10.50am Guest Lecture: A critical view on robotics -Jan Victor

11.05am Reproducing Native Patellar Tracking in Robotic-Assisted TKA: Association with Early Postoperative Pain - **Jobe Shatrov**

11.10am Comparison of gap measurement using a digital tensioning device and a manual technique during robotic-assisted total knee arthroplasty - **Timothy Lording**

11.15am Robotic-assisted surgery and kinematic alignment in total knee arthroplasty. The RASKAL Registry Nested Trial - **Samuel MacDessi**

11.20am Operative time differences in primary total knee arthroplasty between navigated and robotic technology assistance - **Keval Patel**

11.25am Discussion

11.45am Guest Lecture: The recipe for fast-track knee arthroplasty. National multicenter data -Anders Troelsen

12.00pm Unintentional valgus malalignment in mechanically aligned total knee arthroplasty leads to higher prosthetic failure rates.

A national registry survivorship analysis of coronal, sagittal and rotational alignment using computed tomography - **Samuel MacDessi**

12.05pm Defining the Patient Acceptable Symptom State (PASS) for the KOOS-12 at 1 year after Total Knee Arthroplasty - **Keran Sundaraj**

12.10pm Two year outcomes of a prospective, double-blinded randomised controlled trial comparing outcomes after functionally aligned total knee arthroplasty and mechanically aligned total knee arthroplasty - **Richard Steer**

12.15pm Beyond the Coronal Plane: The Role of Pre- and Postoperative 3D Alignment in Predicting TKA Outcomes - **Andrew Shimmin**

12.20pm Discussion

12.40pm Lunch

Session 5 Moderators: Andrew Shimmin and Andy Williams

1.35pm Guest Lecturer - Ethics of being a team physician and discussion - Volker Musahl

1.50pm Pre-operative mental health impacts satisfaction but not revision or mortality following TKA-A registry study of 34,788 patients **David Hale**

1.55pm The Impact of Arthroplasty Complications on Surgeons: Results of a National Survey - **Sanjeev Gupta**

2.00pm Discussion

2.10pm Enhancing Meniscal Allograft Tissue Size-Matching Accuracy - A Novel Processing Protocol from the Queensland Tissue Bank - **Jon Anderson**

2.15pm ProCLOT Series: Fibrin Clot Augmented Meniscal Repairs - A Prospective Multi-Surgeon Cohort Analysis - **Jon Anderson**

2.20pm Treatment protocol for dynamic ultrasound imaging and guided injection in medial plica synovialis - **Burt Klos**

2.25pm Discussion

2.30pm "I wouldn't do that again". Five cases to learn from. Prize winner - Bottle of Bernie Einoder Whisky

3.20pm Afternoon Tea

3.20pm - 5.00pm AKS Annual Business meeting (AKS Members only)

7.00pm Dinner - Crowne Plaza Ballroom

Sunday 19 October 2025

Session 6 - Moderators: Justin Roe and David Young

- 8.30am Establishing 'normal' career longevity in professional soccer players allows comparison to that of players with ACL reconstruction - **Andy Williams**
- 8.35am Are there Anatomical Risk Factors for Mucoïd Degeneration of the Anterior Cruciate Ligament - An MRI-Based Study - **Myles Coolican**
- 8.40am Transtibial Reduction-plasty of Celery Stalk ACL. A Follow-up Technical Note on François Kelberine's 2024 AKS Presentation - **Peter McEwen**
- 8.45am Discussion
- 9.00am Increased joint line obliquity is associated with lateral cartilage degeneration after medial opening wedge high tibial osteotomy: a quantitative MRI analysis - **Takaaki Hiranaka**
- 9.05am Postoperative Lower Knee Adduction Moment Limits Patient-Reported Outcome Improvements After Medial Opening Wedge High Tibial Osteotomy - **David Parker**
- 9.10am Discussion

Session 7 - Moderators: Ross Radic

- 9.30am Introduction of the Axial Malalignment Test (AMAT) - A Classification System for Torsional Alignment in the Lower Limb - **Sheanna Maine**
- 9.35am Selective Epiphysiodesis of the Trochlear Growth Plate Alters Trochlear Morphology in a Rabbit Model - **Michael Dan**
- 9.40am Evaluation of short term clinical results following isolated MPFLR with QT or HS in patellar dislocation - **Yuki Suzuki**
- 9.45am Chronic lateral patella tracking strongly associated with external rotation of the quadriceps muscle relative to the femoral shaft and not with wasting of the vastus medialis - **Simon Talbot**
- 9.50am Discussion
- 10.00am Meeting - Morning Tea
- 10.15am Coach transfers to Airport

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