



WINTER SCOT 2025
IVAN BRENKEL RESEARCH SESSION
Research Presentation Titles



- 1. FULLY AUTOMATED MEASUREMENT OF PAEDIATRIC CEREBRAL PALSY PELVIC RADIOGRAPHS USING MACHINE LEARNING: EXTERNAL VALIDATION USING A NATIONAL SURVEILLANCE DATABASE**
Katie Hughes, C. Lindner, J. Luzar, J. Lang, T. Cootes, D. Perry, M. Gaston

- 2. THE INCIDENCE AND CLINICAL SIGNIFICANCE OF INCIDENTAL FINDINGS SEEN ON PRE-OPERATIVE CT PLANNING SCANS FOR HIP AND KNEE ROBOTIC ARTHROPLASTY SURGERY**
Iain A. Rankin, J. Dixon, C. McGrane, E. Macrae, M. Beshr, J. Rutnagur, M. Sattar, I. Stevenson

- 3. PATIENT PRIORITISATION FOR LUMBAR DECOMPRESSION BY PRE-OPERATIVE PATIENT REPORTED OUTCOME MEASURES**
Mostafa Beshr, A. Frost, D. Whittaker, S. Baliga

- 4. VIRTUAL REALITY FOR SURGICAL TRAINING AND SIMULATION IN ORTHOPAEDIC FRACTURE SURGERY**
C McColm, M. Poyade, L. Pearce, J. Cooper, **David Shields**

- 5. SCOTTISH OPEN FRACTURES OF TIBIA (SOFT) AUDIT; A MULTI-CENTRE RETROSPECTIVE REVIEW OF ORTHO-PLASTIC MANAGEMENT OF OPEN TIBIAL SHAFT FRACTURES AT MAJOR TRAUMA CENTRES IN SCOTLAND**
James .E. Dixon, I.A. Rankin, S. Rangarajan, J. Brennan, A. Varma, D.W. Shields, I.M. Stevenson, SOFT Collaborative Authors

- 6. IMPACT OF CRYOTHERAPY ON DISCHARGE RATES AND PAIN MANAGEMENT FOLLOWING KNEE ARTHROPLASTY**
Pamela Zace¹, Y Roy², O Bailey¹, R Bhattacharrya¹, G Hopper¹

- 7. LIMB NECROTISING FASCIITIS AND TIME TO DEFINITIVE MANAGEMENT: A 10 YEAR COHORT**
Andrew D. Ablett, C. Neo, T. Feng, A. D. Duckworth, M. Morgan, T. O. White

- 8. FEMORAL STEM DESIGN INFLUENCES POST OPERATIVE PERIPROSTHETIC FEMORAL FRACTURE (POPFF) AND COMPLICATION RISK: 10 TO 15 YEARS FOLLOW UP OF 3199 TOTAL HIP ARTHROPLASTIES FROM TWO INDEPENDENT CENTRES**
Gareth Turnbull, B Chen, C Scott, N Clement, A Akhtar, E Dunstan, J Ballantyne

- 9. ACCELERATING CARE FOR KNEE INJURIES: IMPACT OF A NOVEL ACUTE KNEE INJURY VIRTUAL TRIAGE CLINIC ON TIMELY DIAGNOSIS AND TREATMENT**
Shady Hermena, S. Virani, O. Jasim, A. Suttie, S. Dalgleish

- 10. THE RISE IN URGENT SUSPECTED SARCOMA REFERRALS TO A TERTIARY REFERRAL CENTRE AFFECTING CLINIC WAIT TIMES. WHAT ARE THE NEXT STEPS?**
Emilia Sykes, S. Thomson, D. Skipsey, M. Sattar, W. T. Gardner, M. Davies, A. L. McCullough, D. E. Boddie

- 11. FUNCTIONAL OUTCOME AFTER REVERSE SHOULDER ARTHROPLASTY FOR THE TREATMENT OF ACUTE COMPLEX PROXIMAL HUMERAL FRACTURES**
Ewan Yung, D Goyal, D. Cairns, K. Kumar, S Barker, L.A.K. Khan

- 12. THE CLINICAL EFFECTIVENESS OF THE MODIFIED SINGLE-SCREW SCARF OSTEOTOMY IN COMPARISON TO THE TRADITIONAL TWO-SCREW SCARF OSTEOTOMY: AN OBSERVATIONAL STUDY**
Charlotte Mathews, T. Syed, E. Drampalos

- 13. OUTCOMES OF FIXATION OF POSTEROLATERAL TIBIAL PLATEAU FRACTURES: A RETROSPECTIVE REVIEW OF 90 PATIENTS**
Isabelle Cochrane, A. Belcheva, J. Garcia-Fernandez, J. F. Keating