

Research

Dr. Gavin C A Wood

Publications

Peer Reviewed Journal Articles – Career total 15

1. Kunz M, Rudan J, Wood GCA, Ellis R. Hip resurfacing with individualized drill templates – comparison between antero-lateral and posterior approach. *Journal of Current Orthopaedic Practice* Sep – Oct 2012;23(5):473-75.
2. Rasquinha BJ, Sayani J, Dickinson AWL, Rudan JF, Wood GCA and Ellis RE. Registration-based examination of joint remodeling after periacetabular osteotomy: a preliminary study. *J Bone Joint Surg Br* 2012 vol. 94-B no. SUPP XLIV 42.
3. Henry R., Cahill CM, Wood G, Hroch J, Wilson R, Cupido T, Vanhenkerkhof E. Myofascial Pain in Patients Waitlisted for Total Knee Arthroplasty. *Pain Research and Management* Sep – Oct 2012;17(5):321-7.
4. Wood G, Rudan JF, Rasquinha B and Ellis RE. Acetabular orientation in adults with developmental dysplasia of the hip. *J Bone Joint Surg Br*. 2012 vol. 94-B no. SUPPL XXXVIII 61.
5. Smith EJ, Anstey J, Kunz M, Rasquinha B, Rudan J, St. John PJ, Wood G, and Ellis RE. Investigating the contribution of soft tissues to impingements at the hip joint: A preliminary study. *J Bone Joint Surg Br*. 2012 vol. 94-B no. SUPPL XLIV 73.
6. Rasquinha, BJ, Sayani J, Rudan JF, Wood GCA, Ellis RE. Articular surface remodeling of the hip after periacetabular osteotomy. *International Journal of Computer Assisted Radiology and Surgery*, 2012 Mar (2)7:241–248 [Epub 2011 Jul 8].
7. Gavin C. Wood, D Naudie, R McCalden, Bourne R. An Electronic Clinic for Arthroplasty follow-up– a Pilot Study. *Canadian Journal of Surgery*, 2011 Dec;54(6)381-6.
8. Kunz M, Rudan JF, Wood GCA, Ellis RE. Registration stability of physical templates in hip surgery. *In Stud Health Technol Inform* 2011;163:283-9.
9. Rasquinha BJ, Sayani J, Rudan J, Wood GCA, Ellis RE. Articular Surface Remodeling of the Hip after Periacetabular Osteotomy. *Int Journal of Computer Assisted Radiology and Surgery* July2011DOI 10.1007/s11548-011-0641.
10. Gavin CA Wood, Howie C. Do waiting list initiatives discriminate in favour of higher socioeconomic group? *Scottish Medical Journal*, May 2011;56(2)76-9.
11. Gavin CA Wood, Douglas D. R. Naudie, Richard W. McCalden, Robert B. Bourne. Locking Compression Plates for the Treatment of Peri-Prosthetic Femoral Fractures around Well-Fixed Total Hip and Knee Implants. *Journal of Arthroplasty* Sept 2011;26(6) 886-892

12. Wood GCA, Naudie DDR, MacDonald SJ, McCalden RW, Bourne RB. Results of Press-fit Stems in Revision Knee Arthroplasties. *Clinical Orthopaedics and Related Research* Vol 467 No.3 pg 810-817 March 2009.
13. Wood GCA, Kapoor A, Javed A. Autologous Drains in Arthroplasty A Randomised Control Trial. *Journal of Arthroplasty* Vol 23, Issue 6 pg 808-813, September 2008.
14. Wood GCA, McLauchlan GJ. Outcome Assessment in The Elderly After Total Hip Arthroplasty. *Journal of Arthroplasty* Vol 21, Issue 3 pg 398-404, April 2006.
15. Wood GCA, Feldman YA. Indications And Use Of The Ankle Syndesmosis Screw: A Multi-Regional Survey. *European Journal of Foot and Ankle Surgery* 10, pg. 65-69 2004.

Manuscripts Submitted, Accepted or in Press

1. Giles AE, Comeman NA, Bhachu C, Rudan JF, Ellis RE, Wood GC. Shared morphology of slipped capital femoral epiphysis and femoroacetabular impingement in early onset arthritis. Accepted - *Orthopedics* April 2013.
2. An Analysis of the Diagnostic Measurements for Assessing Cam-Type Femoroacetabular Impingement Using Computed Tomography. Accepted - *Current Orthopaedic Practice* January 2014.

Refereed Conference Publications – Career Total 30

1. Ellis R, Rasquinha B, Rudan J, Wood G. Aspherical morphology of the osteoarthritic hip: Two arthritic pathologies. *The Congress and Exhibition for Computer Assisted Radiology and Surgery*, Berlin, 2013 (poster).
2. Cahill C, Wilson R, Wood GCA, Henry R. Myofascial pain in patients waitlisted for Total Knee Arthroplasty: A Pilot Investigation. *Canadian Orthopaedic Association*, Ottawa, 2012.
3. Bhachu S, Giles A, Wood GCA. Morphological Characteristics of the Proximal Femur in Femoroacetabular Impingement Using Computed Tomography Analysis. *Canadian Orthopaedic Association*, Ottawa, ON, 2012.
4. Smith EJ, Rasquinha B, Kunz M, Wood GCA, Rudan JF, Ellis RE. Surgical navigation can detect a spherical hip motion, *Int J Comput Assist Radio Surg*, Volume 7, suppl 1:S152-S153, Pisa, Italy, 2012.
5. Zakani S, Smith EJ, Kunz M, Wood G, Rudan J, Ellis RE. Tracking translations in the human hip. *In Proc of the ASME 2012 International Mechanical Engineering Congress & Exposition (IMECE)*, Houston TX, USA. November 2012.
6. Kunz M, Rudan J, Wood GCA, Ellis R. Hip Resurfacing with Individual Drill Templates using Different Approaches. *Annual Meeting of the Canadian Orthop Assoc.*, St. John, Newfoundland, Canada, 2011.

7. Bow J, Wood GCA, Kunz M, Rudan J. Physical and Psychological outcomes of hip resurfacing using individualized templates. *Annual Meeting of the Canadian Orthop Assoc.*, St. John, Newfoundland, Canada, 2011.
8. Wood GCA, Kunz M, Ellis RE, Rudan JF. Comparison of Imageless versus CT-guided Technique in Computer-assisted Hip Resurfacing. *Annual Meeting of the Canadian Orthop Assoc.*, St. John, Newfoundland, Canada, 2011.
9. Wood G, Rudan JF, Rasquinha B, Ellis RE. Acetabular orientation in adults with developmental dysplasia of the hip. *Annual Meeting of the Canadian Orthop Assoc.*, St. John, Newfoundland, Canada, 2011.
10. Smith EJ, Anstey J, Kunz M, Rasquinha B, Rudan J, St John P, Wood GCA, Ellis RE. Investigating the contribution of soft tissues to impingements at the hip joint: a preliminary study. *11th Annual Meeting of the Int. Soc. for Computer Assisted Orthop Surg*, London, UK, 2011.
11. Girardi B, Kunz M, Rudan JF, Wood GCA. Comparison of 2D and 3D measurements of femoral neck-shaft angles. *11th Ann. Meeting of the Int. Soc. for Computer Assisted Orthop Surg*, London, UK, 2011.
12. Bow J, Kunz M, Rudan JF, Wood GCA, Ellis RE. Physical and psychological outcomes of hip resurfacing using individualized templates. *11th Ann. Meeting of the Int. Soc. for Computer Assisted Orthop Surg*, London, UK, 2011.
13. Rasquinha B, Rudan JF, Wood GCA, Ellis RE: Ellipsoid fitting of dysplastic and early arthritic articular hip surfaces. *In Proc Orthop Res Soc.*, Long Beach, CA, USA, January 2011.
14. Ellis R, Rasquinha B, Wood G, Rudan J. 3D shape analysis of arthritic hips: a preliminary study. *24th International Congress of Computer Assisted Radiology and Surgery (CARS)*, Geneva, Switzerland, June 23-26, 2010.
15. Rasquinha B, Rudan JF, Wood GCA, Ellis RE. 3D shapes of the arthritic hip joint: a preliminary study. *10th Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery CAOS-International*, Versailles, France, June 16-19, 2010 (poster).
16. Kunz M, Rudan J, Wood G, Ellis R. Hip resurfacing with individualized drill templates – comparison between antero-lateral and posterior approach, *10th Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery CAOS-International*, Versailles, France, June 16-19, 2010.
17. Gilles AE, Bhachu S, Wood GCA. Subclinical slipped capital femoral epiphysis to hip resurfacing; A retrospective analysis of patients with early arthritis. *Canadian Arthroplasty Society*, London 2012.
18. Rasquinha B, Sayani J, Dickinson AWL, Rudan JF, Wood GCA, Ellis RE. Registration-based examination of joint remodeling after periacetabular osteotomy: a preliminary study. *Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery (CAOS)*. London, England, June 2011
19. Wood GCA. Locking compression plates for the treatment of peri-prosthetic femoral fractures around well-fixed total hip and knee implants. *Combined Meeting of the Orthopaedic Association*, Glasgow, Scotland; September 2010.

20. Wood GCA, Naudie DDR, MacDonald SJ, McCalden RW, Bourne RB. Results of Press-fit Stems in Revision Knee Arthroplasties. *BASK*, Bournemouth. England, April 2008.
21. Wood GCA, Naudie DDR, Guerin J, Marr J. eClinic Assessment in Arthroplasty. *Canadian Orthopaedic Association*, Quebec City, PQ, June 2008.
22. Wood GCA, Naudie DDR, MacDonald SJ, McCalden RW, Bourne RB. Results of Press-fit Stems in Revision Knee Arthroplasties. *American Academy Orthopaedic Surgeons*. San Francisco CA USA, February 2008.
23. Wood GCA, Boniolo H, Naudie D, McAuley J. Periprosthetic Fracture fixation- results of the Synthes LCP. *American Hip Society*, Pasadena, CA USA, September 2007.
24. Wood GCA, Kapoor A, Javed AJ. Re-transfusion drains in arthroplasty a randomised control trial. *Canadian Orthopaedic Association*, Halifax, NS, June 2007.
25. Wood GCA, Boniolo H, Naudie D. Periprosthetic Fracture fixation- results of the Synthes LCP. *Canadian Orthopaedic Association*, Halifax, NS, June 2007.
26. Wood GCA, Boardman KP. G.C.A Wood, K.P Boardman. Outpatient workload in a District General Hospital- A comparison with BOA guidelines. *Northwest Orthopaedic Meeting*, 2005.
27. Wood GCA, McLauchlan GJ. Method of assessment in the follow-up of elderly patients with total hip replacement. *Northwest Orthopaedic Meeting*, 2004.
28. Wood GCA, Gibson P. Cemented Titanium Hip Arthroplasty- analysis of matte finish at ten years. *British Orthopaedic Hip Society*, Oxford, England, March 2000.
29. Downing MR, Wood GCA, Ashcroft PA. Precision Comparison of Peri-prosthetic versus Peri-cement Bone Mineral Density Measurement following cemented Total Hip Arthroplasty. *British Orthopaedic Research Society*, Durham, England, April 1999.
30. M.R. Downing, G.C.A Wood, P.A Ashcroft. Quality Assessment of Roentgen Stereo Photogrammetry - A method of Retrospective Cage Calibration. *Radiology 99 Imaging, Science & Oncology*, Birmingham, England, May 1999.

Non Refereed Conference Publications – Career Total 12

1. Lalonde SM, Wood G, Cudd, S. Patients' Perceptions of Their Surgeon Based on Attire, *William Ersil Resident Research Day in Surgery*, Kingston, ON, November 2013.
2. Paluzzi D, Lalonde S, Wood G. The Prognostic Value of Wii Fit Age: A Pilot Study. *William Ersil Resident Research Day in Surgery*, Kingston, ON, November 2013.
3. Lalonde SM, Wood G, Cudd, S. Patients' Perceptions of Their Surgeon Based on Attire, *Queen's University Musculoskeletal Research Day*, Kingston, ON, October 2013.
4. Paluzzi D, Lalonde S, Wood G. The Prognostic Value of Wii Fit Age: A Pilot Study. *Queen's University Musculoskeletal Research Day*, Kingston, ON, October 2013.

5. Zakani S, Smith EJ, Kunz M, Wood G, Rudan J, Ellis RE. Tracking translations in the human hip. Human Mobility Research Centre Integrated Seminar Series in Biomedical Sciences and Engineering. Kingston, ON, Canada, January 2013.
6. Rasquinha B, Rudan JF, Wood GCA, Ellis RE. Ellipsoid fitting of dysplastic and early arthritic articular hip surfaces. Kingston General Hospital Research Showcase. Kingston, ON, Canada, May, 2011 (poster).
7. Periera F, Wood GCA. Reducing Hospital Length of Stay Following primary Joint Replacement a Fast Track Program. 30th Annual William Ersil Resident Research Day, Kingston, ON, 2011.
8. Hesse D, Wood GCA. Timing of Antibiotics as it relates to deep infection in Joint Replacement 30th Annual William Ersil Resident Research Day, Kingston, ON, 2011.
9. Bhachu S, Wood GCA. Morphological Characteristics of Femur in FAI a CT analysis. 30th Annual William Ersil Resident Research Day, Kingston, ON, 2011.
10. Bhachu S, Wood GC, Rudan J. Hip Biomechanics and Arthritis Prevention Through Management of Femoroacetabular Impingement. 29th Annual William Ersil Resident Research Day in Surgery, Kingston, ON, March 2010
11. Mann S, Wood GCA. Examining the Relationship Between Quadriceps Strength and Muscular Characteristics as Determined by Ultrasound Variables in Patients With Osteoarthritis of the Knee 29th Annual William Ersil Resident Research Day in Surgery, Kingston, ON, March 2010
12. Ellis R, Rasquinha, Wood GCA, Rudan JR. Hip Biomechanics and arthritis prevention. *Military Veterans Health Research Forum*, Kingston, ON, Canada, November 2010 (poster).

Published Abstracts

Wood GCA, Kapoor A, Javed A. Autologous Drains in Arthroplasty A Randomised Control Trial. *Journal of Bone & Joint Surgery*, Vol. 91-B Supplement II pg 230. 2009.

Downing MR, Wood GCA, Ashcroft PA. Precision Comparison of Peri-prosthetic versus Peri-cement Bone Mineral Density Measurement following cemented Total Hip Arthroplasty. *Journal of Bone & Joint Surgery*, Vol. 82-B Supplement II pg 134. 2000.

Wood GCA, Gibson P. Cemented Titanium Hip Arthroplasty- analysis of matte finish at ten years. *Journal of Bone & Joint Surgery*, Vol. 82-B Supplement II pg 124. 2000.