

# RICHARD W NUTTON MD FRCS(Eng) FRCS(Edin)

## Consultant Orthopaedic Surgeon

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### Hospital bases

Department of Elective Orthopaedic Surgery (Wards 208 and 209),  
Royal Infirmary of Edinburgh EH16 4SU

Spire Murrayfield Hospital, 122 Corstorphine Road, Edinburgh EH12  
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**Current posts held** Consultant Orthopaedic Surgeon, Department of Orthopaedics,  
Royal  
Infirmary of Edinburgh (since 1986)

Honorary Senior Lecturer in Orthopaedics and Trauma.  
Edinburgh University (since 1988)

### Education and Training

1965-1970	Sedbergh School, Sedbergh, Cumbria
1970-1975	Medical School, University of Newcastle-upon-Tyne
1970-1970	Pre-Registration, Royal Victoria Infirmary, Newcastle-upon-Tyne
1972-1978	Basic Surgical Training Programme, North East of England
1978-1985	Orthopaedic Training Programme, North East of England
1982-1983	Harkness Fellow (Commonwealth Fund of New York) at Mayo Clinic, Rochester, Minnesota, USA
1985-1987 upon-Tyne	Lecturer in Orthopaedics & Trauma, University of Newcastle-

1987 to present  
Edinburgh

Consultant Orthopaedic Surgeon, Royal Infirmary of

1989 to present  
University of

Honorary Senior Lecturer in Orthopaedics & Trauma,  
Edinburgh

### **Qualifications**

- MB, BS(with Honours), University of Newcastle-upon-Tyne, 1975
- MD, University of Newcastle-upon-Tyne 1986
- FRCS (London) 1979
- FRCS (Edinburgh) 1994 – without examination

### **Membership of Professional Societies**

- British Orthopaedic Association
- British Orthopaedic Research Society
- British Association for Surgery of the Knee
- British Elbow and Shoulder Society
- Mayo Alumnus
- Harkness Fellow
- International Society for Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS)

### **Teaching and Training**

- Postgraduate teaching programme – organiser 2000 to 2005
- Intercollegiate Examination in Orthopaedics & Trauma (FRCS Orth & Trauma) – Examiner 1999 to present; local organiser for Clinical Examinations, Edinburgh – February 2004

### ***Course organiser***

- 1990 – Arthroscopically assisted ACL reconstruction (Princess Margaret Rose Orthopaedic Hospital)
- 1992 – Knee ligament reconstruction surgery (PMROH)
- 1994 – Soft tissue shoulder disorders and shoulder arthroscopy (PMROH)
- 1997 – PCL reconstruction and complex knee instability (PMROH)
- 2001 – Advanced shoulder arthroscopy
- Since 1999 to present - Summer University in Hip/Knee primary and revision arthroplasty (co-organiser)

- Since 1996 to present - supervisor for a Knee Fellowship (sponsored by DePuy International) for specialist training and research in knee surgery
- 2006 Co-organiser. British Elbow and Shoulder Society meeting (Edinburgh, May 2006)
- 2009 Organiser. British Association for Surgery of the Knee annual meeting (Edinburgh)

### **Current Research**

- Outcomes following surgical knee reconstruction for knee dislocation and complex knee instability (on-going)
- Evaluation of functional outcomes following Total Knee Arthroplasty using electrogoniometry and gait analysis (sponsored by Zimmer UK in collaboration with Queen Margaret University, Edinburgh)
- Outcomes following Total Knee Arthroplasty (research grant sponsored by DePuy, 2007-2010)
- Knee pain following Unicompartmental Knee Arthroplasty: tibial remodelling
- The epidemiology of teenage rugby injuries (for the Scottish Committee for Orthopaedics and Trauma in collaboration with the SRU)
- Articular cartilage changes in unicompartmental knee arthritis

### **Publications**

- "Detection of sacro-iliac injury by bone scanning in fractures of the pelvis and its clinical significance. Injury 13(4), 473-477, 1982. R W Nutton, I M Pinder, D Williams
- "The effect of trochanteric osteotomy on abductor power". Journal of Bone and Joint Surgery, 66 B, 180-183, 1984. R W Nutton and R S Checketts
- "Dynamic radioisotope bone imaging as a non-invasive indicator of canine tibial blood flow". Journal of Orthopaedic Research 2(1), 1984. R W Nutton, R H Fitzgerald, M Brown, P J Kelly
- "The value of dynamic radioisotope bone imaging to determine regional bone blood flow". Transactions of the 30<sup>th</sup> Annual Meeting of the American Orthopaedic Research Society, Atlanta 1984. R W Nutton, R H Fitzgerald, M Brown, P J Kelly
- "Haemodynamic changes in bone and their relation to the uptake of 99 m technetium hydroxymethylene diphosphonate (99m Tc HMDP). MD Thesis, University of Newcastle-upon-Tyne, 1984
- "Early dynamic bone imaging as an indicator of osseous blood flow and factors affecting the uptake of 99m Hydroxymethylene Diphosphonate in healing bone".

Journal of Bone and Joint Surgery, 67A, 763-770, 1985. R W Nutton, R H Fitzgerald and P J Kelly

- “The effects of changing blood flow and new bone formation on the uptake of 99 m HMDP in healing bone”. Journal of Bone and Joint Surgery, 67B, 846. 1987.
- “Acute calcifying supraspinatus tendonitis affecting a three year old child”. Journal of Bone and Joint Surgery, 69B, 184. 1987
- “The demonstration of bone circulation in the rabbit by auto-radiography of radioactive labelled microspheres”. Journal of Bone and Joint Surgery, 69B, 494, 1987. R W Nutton, J Pooley
- “Intermittent high intensity exercise. Preparation, stresses and damage limitation”. Co-editor. E & FN Spon, London, 1993. D A D Macleod, R J Maughan, C Williams, C R Madeleley, J C M Sharp, and R W Nutton
- “Bilateral proximal humeral dislocations and acetabular fractures following an epileptic seizure”. International Journal of Trauma. 3: 19-21, 1993. G M Lawson, R W Nutton
- “A prospective study of knee arthroscopy. A study of the accuracy of clinical diagnosis and therapeutic value in 325 arthroscopies”. Journal of the Royal College of Surgeons, Edinburgh. 40, 135-137, 1995. G M Lawson and R W Nutton
- “Autogenous bone patellar tendon bone graft donor site morbidity in ACL reconstruction”. Journal of Bone and Joint Surgery. (suppl 2 & 3),79B, 169. 1996. G Tytherleigh-Strong, R W Nutton
- “Comparison of intra-articular lignocaine and a supra-clavicular nerve block for acute anterior shoulder dislocation”. Injury 28(2), 141-142. 1997. A P Gleeson, C A Graham, I Jones, I Beggs, R W Nutton
- “Treatment of chronic rotator cuff impingement by arthroscopic subacromial decompression”. Journal of Bone and Joint Surgery, 79B, 73-76, 1997. R W Nutton, J M McBirnie and C Phillips
- “Tendon allografts in knee ligament surgery”. Journal of the Royal College of Surgeons, Edinburgh. 44 (4), 236-240, 1999. R W Nutton, I McLean, E Melville
- “The dynamic relations of the posterior cruciate ligament”. Knee, 7(1), 39-44. 2000. D G Dunlop, C R C Walker, R W Nutton
- “Prevention of common peroneal nerve palsy after surgery for valgus deformity of the knee”. Knee 7(1), 53. 2000
- “Complex knee instability”. Chapter in “Clinical Challenges in Orthopaedics: the knee”. ISIS Medical Medial, London 2000
- “Movement of the knee in osteoarthritis. The use of electrogoniometry to assess function”. Journal of Bone and Joint Surgery. 83B, 195-198. 2001

- “Knee joint functional range of movement prior to and following total knee arthroplasty measured using electrogoniometry”. *Gait & Posture* 8:3:24. C M Myles, P J Rowe, C R C Walker and R W Nutton, 2001
- “Functional outcome and survivorship of medial unicompartmental unicondylar arthroplasty of the knee”. *Proceedings of the International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine, Montreaux 2001*. J Bidwell, P Gianfreda, R W Nutton
- “The functional outcome following total knee replacement with and without patella resurfacing”. *Journal of Bone and Joint Surgery*. 83B (suppl 4), 382. 2001. R W Nutton, C M Myles, P Rowe, C Walker
- “Longer term outcome of ACL reconstruction using patellar tendon graft: a 5 – 9 year follow-up”. *Journal of Bone and Joint Surgery*. 83B (suppl 4), 385. 2001. M Kelly, A L Ruiz, R W Nutton
- “Artefactual femoral fracture?”. *British Medical Journal*. 323: 760. 2001. D G Dunlop, R W Nutton
- “Arthroscopic ACL reconstruction: a 5-9 year follow up”. *The Knee*, 9, 197-200. 2002. A L Ruiz, M Kelly, R W Nutton
- “Ligament repair and reconstruction in traumatic dislocation of the knee”. *Journal of Bone and Joint Surgery*, 85-B; 845-851, 2003. R Y L Liow, M J McNicholas, J F Keating, R W Nutton
- “The dynamic relations of the posterior cruciate ligament”. Laier, J E, Dunlop, D G, Walker, C, Nutton, R W. *The Knee*. Jan 2000, vol 7, No 1, 39-44(6)
- “A new method to determine graft angles after knee ligament reconstruction”. *The Knee*, 11 (2004), 19-24. D G Dunlop, D J Woodnutt, R W Nutton
- “Palsy of the common peroneal nerve after traumatic dislocation of the knee”. *Journal of Bone and Joint Surgery*; 87(5): 664-7, 2004
- “The effect of total knee arthroplasty on joint movement during functional activities and joint range of movement with particular regard to higher flexion uses”. *Journal of Orthopaedic Surgery*, vol 13 (2), 131-138. 2005
- “The effect of patella resurfacing in total knee arthroplasty on functional range of movement measured by electrogoniometry”. *Clinical Biomechanics* 21 (2006), 733-739. C M Myles, P J Rowe, R W Nutton, R Burnett.
- “Dislocation of the knee”. A Robertson, R W Nutton, J F Keating. *Journal of Bone and Joint Surgery*, 88-B(6), 706-711. 2006-11-20
- “The dislocated knee”. *Current Orthopaedics* (2006) 20, 95-102. A Robertson, R W Nutton
- “Current Trends in the use of tendon allograft in orthopaedic surgery”. *Journal of Bone and Joint Surgery* 88-B, 988-992 (2006). A Robertson, R W Nutton, J F Keating. *Journal of Bone and Joint Surgery*

- “A prospective randomised double-blind study of functional outcome and range of flexion following total knee replacements with the NexGen standard and high flexion components”. R W Nutton, M L van der Linden, P J Rowe, P Gaston, F A Wade. *Journal of Bone and Joint Surgery* 90-B, 37-42 (2008).
- “Knee kinematics in functional activities seven years after total knee arthroplasty”. M L van der Linden, P J Rowe, C M Myles, R Burnett, R W Nutton. *Clinical Biomechanics* 22 (2007) 537-542.
- “Between-day repeatability of knee kinematics during functional tasks recorded using flexible electrogoniometry”. M L van der Linden, P J Rowe, R W Nutton. *Gait and Posture* 2551 1-5 (2008). (In print).
- Evidence based factors influencing outcome of arthroscopy in osteoarthritis of the knee. Dearing J, Nutton RW. *Knee* 2008 15(3) 159-63
- Knee kinematics in functional activities seven years after total knee arthroplasty. ML van der Linden, PJ Rowe, CM Myles, R Burnett, RW Nutton. *Clin Biomech* 2007 22(5) 537-42
- Is arthroscopic surgery a beneficial treatment for osteoarthritis. Nutton RW. *N Engl J Med*. 2008 Sep 11;359(11):1097-107
- Range of flexion after primary TKA: the effect of soft tissue release and implant design. Ahmed I, Gray AC, van der Linden M, Nutton R. *Orthopaedics* 2009 Nov;32(11):811
- How do implant design and gender effect the outcome of total knee arthroplasty? Van der Linden M, Rowe P, Nutton RW. *J Bone and Joint Surg Br* 2009: 92B SUPP\_111, 406
- The role of pain and psychosocial factors on functional range of motion in patients with osteoarthritis awaiting total knee arthroplasty. Van der Linden M, Rowe P, Gaston P, Nutton RW. *J Bone and Joint Surg Br* 2009; 90-B SUPP\_11, 327
- Which pre-operative factors predict knee range of motion during stair walking after total knee arthroplasty? Van der Linden M, Roche PA, Rowe P, Nutton RW. *J Bone and Joint Surg Br*. 2009; 92-B SUPP\_111, 424.
- Objective physical activity before and one year after total knee arthroplasty. Van der Linden M, Rowe P, Nutton RW. *J Bone and Joint Surg Br* 2009: 92-B SUPP\_111, 406
- What is the role for lateral retinacular release. Clifton R, Ng CY, Nutton RW. *J Bone and Joint Surg Br*. 2010 Jan;92(1):1-6
- Iliac artery pseudoaneurysm rupture following excision of an infected hip prosthesis. Smith GH, Nutton RW, Fraser SC. *J Arthroplasty* 2010 Nov 11 (Epub ahead of print)

## **Management**

- Head of Service. Princess Margaret Rose Orthopaedic Hospital, and Royal Infirmary of Edinburgh, Orthopaedic and Trauma services (Royal Infirmary of Edinburgh NHS Trust) 1994-2000
- Patient Services Director. Princess Margaret Rose Orthopaedic Hospital and Royal Infirmary of Edinburgh Orthopaedic and Trauma services (Lothian University Hospitals NHS Trust).
- Associate Patient Services Director. New Royal Infirmary of Edinburgh (Elective Orthopaedics), 2002 to present

## **Other posts held**

- South-East Scotland representative at the Scottish Committee for Orthopaedics and Trauma (SCOT) 1999 – 2006
- Independent assessor for the 3M Capital hip review since 2002
- Journal reviewer for –  
“Gait and Posture”  
“Journal of Royal College of Surgeons, Edinburgh”  
“Journal of Bone and Joint Surgery”  
‘The Knee’ (Journal of the British Association for Surgery of the Knee)
- Tendon allograft tissue banking. Advisor to the Scottish National Blood Transfusion Service
- Appraiser of examiners for the FRCS Orthopaedic and Trauma (Intercollegiate Examination Board) 2005 to 2008
- External Assessor for Consultant Appointments (2005 to present)
- Honorary Medical Advisor to the Scottish Rugby Union (since 2009 to present)

## **Medico-Legal**

The Law Society of Scotland – Directory of Expert Witnesses (Checked Expert)