



THE UNIVERSITY  
*of* LIVERPOOL

***CURRICULUM VITAE***

**SIMON P. FROSTICK  
MA, DM, FRCS**

**Name:** Simon Peter FROSTICK

**Date of Birth:** 23<sup>rd</sup> January 1955.  
**Place of Birth:** Chatham, Kent.  
**Nationality:** British.

**Marital Status:** Married.  
**Margaret Mary Frostick (nee ROEBUCK) MA, D.Phil.,  
RESEARCH ASSISTANT, DEPARTMENT OF MUSCULOSKELETAL  
SCIENCE, UNIVERITY OF LIVERPOOL**

**Children:** Emily Jane born 14th April 1983,  
Madeleine Ruth born 30th July 1984,  
Rhiannon Freya Elise born 20th May 1994.  
Phyllida Rose born 21st September 1995

**Work Address:** School of Cancer Studies,  
Royal Liverpool University Hospital,  
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**Website:** <http://www.theupperlimb.com>

**Education:** 1966-1970 Chatham Technical High School,  
Chatham, Kent.  
1970-1972 Wellington School,  
Wellington, Somerset.

**Medical Training and Examinations:**  
1972-1975 Undergraduate: St. Edmund Hall, Oxford.  
1975 B.A. (Class II) Physiological Science.  
1975-1978 Clinical Course: St. Edmund Hall and  
The University of Oxford Clinical Medical School.  
1978 B.M., B.Ch. (Oxford).

**Postgraduate Qualifications:**  
1983 FRCS (England).  
1983 M.A. (Oxon.).  
1988 D.M. (Oxon).

**Date of Accreditation:** April 1991

**Awards:** HUNTERIAN PROFESSORSHIP,

**THE ROYAL COLLEGE OF SURGEONS OF ENGLAND, 1991 - 1992.**  
December 16th 1992. **Peripheral nerve injury - a problem of end-organ failure?**

**Visiting Professor, University of Toronto, 1993, 1995.**

**Visiting Professor University of Ioannina, Greece, 1996.**

**Visiting Professor Postgraduate Institute for Medical Education and Research,  
Chandigarh, India**

**Visiting Professor The Mayo Clinic, Rochester, Minn. May 2003.**

**Visiting Professor, University of Patras, July 2006.**

**Postgraduate Experience:**

- |                     |  |
|---------------------|--|
| 1.8.78. - 31.1.79.  | Pre-registration year.   |
| 1.8.79. - 31.12.82. | Basic Surgical Training.   |
| 4.1.83. - 30.9.83.  | <b>Stanley Johnson Fellow in Microsurgery and Orthopaedics.<br/>Clinical Research Centre, Northwick Park Hospital,<br/>Harrow, Middlesex.<br/>(Professor CJ Green and Mr L Klenerman)</b>  |
| 1.10.83. - 31.8.84. | <b>Clinical Lecturer in Orthopaedics,<br/>Nuffield Orthopaedic Centre,<br/>Oxford.<br/>Professor RB Duthie.</b><br>Training in orthopaedic surgery; middle-grade registrar   |
| 1.9.84. - 30.8.85.  | <b>Clinical Lecturer to the Accident Department,<br/>John Radcliffe Hospital,<br/>Oxford.<br/>Professor RB Duthie.</b><br>Training in trauma surgery; middle-grade registrar   |
| 1.9.85-31.7.88      | <b>Clinical Assistant to<br/>Professor G K Radda, British Heart Foundation Professor of<br/>Molecular Cardiology,<br/>Department of Biochemistry,<br/>University of Oxford.<br/>Clinical Assistant to Professor R B Duthie,<br/>Nuffield Department of Orthopaedic Surgery,<br/>Nuffield Orthopaedic Centre, Oxford.</b> |

A full time research post utilising the techniques of magnetic resonance spectroscopy *in vivo* and *in vitro* to study metabolism in muscle both in health and disease. The research lead to the completion and successful defence of a thesis for the degree of *Doctor of Medicine* (University of Oxford) entitled: Clinical and experimental aspects of denervation and reinnervation.

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|------------------|--|
| 1.8.88 - 15.4.91 | <b>Clinical Lecturer in Orthopaedic<br/>and Accident Surgery,<br/>University of Nottingham.</b><br>Higher surgical training in orthopaedic and trauma surgery;<br>honorary senior registrar. |
| 15.4.91-30.9.95  | <b>Senior Lecturer in Orthopaedic and Accident Surgery,<br/>University of Nottingham. Honorary Consultant to the<br/>University Hospital, Nottingham &amp; Nottingham City Hospital.</b>     |

**Present position: From 1<sup>st</sup> October 1995.**

## **PROFESSOR OF ORTHOPAEDICS, THE UNIVERSITY OF LIVERPOOL**

- I. Clinical duties:* My clinical interests are in upper limb and sport related injuries. The unit attracts a considerable number of tertiary referrals concentrating on shoulder, elbow and peripheral nerve surgery. A significant proportion of the clinical time is spent in the area of sports medicine. I am also the lead clinician for the Musculoskeletal Oncology Unit, which treats patients with all forms of soft tissue sarcoma of the extremities together with some tumours of bone and cartilage tissues. I am also the Orthopaedic Consultant for the Liverpool Haemophilic Comprehensive Care Unit.
- II. Research interests:* Philosophically the Department is determined to provide the environment in which high quality basic science and clinical research can be developed. The senior academic members provide the guidance necessary to develop research strategies, write protocols, obtain funding and publish results.

The major areas of research are as follows:

- The main area of research relates to understanding the molecular mechanisms of mesothelial cells in a variety of pathological conditions:
  1. Cell matrix interactions in soft tissue sarcomas of the extremities.
  2. Fibroblast function and cell matrix interactions in tendon degeneration.
  3. In vitro fibroblast loading and the effects of strain on the cytoskeleton.
- These areas of research use a variety of techniques including immunohistochemistry, PCR, gene microarray, tissue microarray, assessment of the cytoplasmic redox protection system.
- Wherever possible the work is correlated with patient outcome, eg metastasis and survival in sarcoma patients and functional scoring in tendon degeneration patients.
- Clinical research on various aspects of shoulder diseases and injury. Techniques include functional scoring, electromyography (fine wire and surface electrodes) and clinical trials.
- Ejection injuries to the cervical spine.
- Ankle injuries in aircrew.
- Assessing accidents at work using a computer based enquiry system (MAIM).

Previous areas of research:

- Motor learning in muscle disease (successful PhD, 1999)
- Magnetic resonance spectroscopy of muscle (<sup>31</sup>P and <sup>13</sup>C)
- Neurotrophic factors in peripheral nerve injuries.
- Proprioception and fatigue after nerve injury (successful thesis 2005).

The academic staff includes:

- Dr Yin Qi – Honorary Senior Lecturer
- 1 Post-doctoral Research Assistant
- 2 Research Assistants
- Doctoral students.

- III. Funding:* The Department has attracted funding from a number of sources including EPSRC, Action Research, HSE, The Wishbone Trust and commercial companies. Many of the doctoral students have Foreign Government Scholarships. Each project is independently funded.

#### *IV. Doctoral students:*

1. PhD, University of Liverpool; motor learning skills - awarded Autumn 1999.
2. MPhil, MAIM in the assessment of accidents – awarded 2001.
3. MPhil, University of Liverpool, PNF in the treatment of back pain awarded 2005.
4. PhD, University of Liverpool, proprioception and fatigue after nerve injury - awarded 2005..
5. PhD, University of Liverpool, EMG studies of lateral and medial epicondylitis (thesis submitted 2006)
6. PhD, Applying strain to fibroblasts in vitro. (EPSRC Studentship; thesis due 2008; Malaysian Government Scholarship; thesis due 2009).
7. PhD, Corelating basic science with clinical impingement syndrome (thesis due 2010).
8. MD, EMG studies on multidirectional instability.
9. PhD, University of Liverpool, Molecular aspects malignant nerve sheath tumours. (thesis due 2008).
10. PhD, University of Liverpool, Proteomics and rotator cuff tears.

#### *V. Membership of Committees etc.:*

1. Chairman, Steering Committee, Orthopaedic Comparative Audit, The Royal College of Surgeons of England, until 1998.
2. Chairman, Registry Development Committee, National Sports Medicine Institute, until 2000.
3. Member, Working Party on outcome measures in patients with fractures of the proximal femur, Department of Health, reported 1999.
4. Member, THRIFT II panel, 1996.
5. Chairman, Board of Orthopaedic Studies (MCh (Orth), Liverpool).
6. Member NCEPOD specialty Committee, 1996.
7. Member of the Development Committee for the Merseyside British Academy of Sport bid (1996-1997).
8. Chairman: working Party on Musculoskeletal Services for Liverpool Health Authority, 1996 - 1997.
9. Member Trust R&D Strategy Group, 1997-1998.
10. Member working party on orthopaedic services for LHA 1998-1999.
11. Vice Chairman, Liverpool Research Ethics Committee (1999-2005).
12. Member of the University of Liverpool Ethics Committee. Chairman of the Sub-committee for interventional studies.

#### *VI. Undergraduates:*

1. 4th year PBL supervisor.
2. SSM supervisor.
3. SAMP supervisor.

#### *VI. Postgraduate studies:*

1. Director of Studies, MCh (Orth), University of Liverpool.
2. Programme Director, Orthopaedic Training Programme, Merseyside Deanery, 1995-2005.
3. Vice-Chairman STEC Orthopaedics (2000-2005); University representative 1995 to date.
4. Member Specialist Advisory Committee in Trauma and Orthopaedics, from January 2006.

#### *VII. Miscellaneous:*

1. Member of the International Academic Advisory Board, Al Quds University Medical School, Jerusalem, Palestine. Previously, Director, The Foundation for Al Quds.
2. Co-Director, Magnetic Resonance Research Centre, University of Liverpool (1995 – 2000).
3. External examiner University of Malaya, 2001.
4. External examiner University of London, 2001.
5. External examiner University of Brighton, 2002.
6. External advisor for Associate Professor and Professorial appointments, University of Malaysia.
7. Deputy Director Cancer Tissue Bank Research Centre, University of Liverpool, 2003-

8. External assessor for Consultant Orthopaedic Surgeon appointment, Royal College of Surgeons of England.

*VIII. Membership of Societies:*

Old Aularian Association (St. Edmund Hall, Oxford)  
Oxford Union Society.  
British Orthopaedic Association (Fellow)  
Girdlestone Orthopaedic Society  
British Society for Surgery of the Hand  
British Elbow and Shoulder Society / European Society for Surgery of the Shoulder and Elbow.  
British Orthopaedic Research Society  
SICOT  
Orthopaedic Research Society  
American Academy of Orthopaedic Surgeons  
World Microsurgery Society (Founding Member)  
International Surgical Thrombosis Forum (Founding Member and Council Member)  
Honorary Member Macedonian and Thrace Orthopaedic Association.  
Honorary Member Greek Shoulder and Elbow Society.

1992-2000 **British Microsurgical Society** - General Secretary.  
1992-1996: **Secretary General** of the European Federation of Societies for Microsurgery.  
1996- to date: Member of the Council of the European Federation of Societies for Microsurgery.  
1996-1999 Member Advisory Board, International Microsurgical Society.  
1992 to 1998: **Editor-in Chief, Microsurgery (European Issues).**  
1998 -2001: **International Editor, Microsurgery.**  
2001 - Member Editorial Board, Microsurgery.  
1997 onwards: Member Editorial Board, Romanian Journal of Reconstructive Microsurgery and Hand Surgery.  
2004 onwards: International Member Editorial Board, Delhi Journal of Orthopaedics.

*IX. Outside Interests:* gym, gardening, travel.

**Attendance at meetings, abstracts presented:**

British Microsurgical Society - September 1984.  
Paper presented on the results of nerve allografts.

Society for Magnetic Resonance in Medicine 4th Annual Meeting, London, 1985.

British Microsurgical Society - December 1985.  
Paper presented on the early results of MRS and denervated muscle.

Society for Magnetic Resonance in Medicine 5th Annual Meeting (Montreal) 1986.  
Poster presentation on the MRS changes occurring in the first dorsal interosseous. Frostick SP, Taylor DJ, Yonge R, Radda GK (1986): A study of muscle denervation using P-31 mrs. Abstract, Works-in-progress, SMRM 5th Annual Meeting.

Groupe pour l'Avancement de Microchirurgie, Deauville, France, June 4th-6th June 1987.  
Paper entitled "31-phosphorus magnetic resonance spectroscopy of denervation" presented.

Society for Magnetic Resonance in Medicine, 6th Annual Meeting New York, August 1987.  
Two posters accepted for presentation:  
(i) Frostick SP, Taylor DJ, Dolecki M, Radda GK (1987): 31-phosphorus MRS studies of denervation and reinnervation of the anterior deltoid. Abstract, Proceedings SMRM 6th Annual Meeting.

(ii) Frostick SP, Howard C, Connelly A, Wilson DJ, Benson MK (1987): MRI of clubfeet. Abstract, Proceedings SMRM 6th Annual Meeting.

British Orthopaedic Association, Oxford, September 1988. Poster presentation on Magnetic Resonance Spectroscopy and Nerve injuries.

Invited delegate Royal College of Surgeons of England symposium on trauma prevention, entitled "Trauma Prevention - A Social Responsibility". 1st February 1989.

British Society for Surgery of the Hand, Scientific Meeting, Nottingham, May 1989. Paper presented on "Magnetic resonance spectroscopy of denervated muscle". Published in the Hand Society Proceedings.

Organiser of the Association of Professors of Orthopaedic Surgery Annual Scientific Meeting on Audit and Computers in Orthopaedics, December 1st and 2nd 1989, Nottingham. Paper presented entitled "The Data Protection Act and Software Piracy".

Delegate at the AO/ASIF Advanced "Hands-On" Course Davos, Switzerland, December 10th to 15th 1989.

British Society for Surgery of the Hand, Scientific Meeting, The London Conference Centre, London, November 1st and 2nd 1990.

Dunn JF, Frostick SP, Tracey I, Radda GK (1989): *In vivo* <sup>31</sup>P NMR and total ion content of skeletal muscle from the MDx mouse model of Duchenne's Muscular Dystrophy. Proceedings of the International Union of Physiological Societies 31st International Congress, Stockholm, July 1989.

Dunn JF, Frostick, Radda GK (1989): Changes in high energy phosphate compounds associated with the primary defect in Duchenne's Muscular Dystrophy; a study of the MDx mouse. Vancouver 1989.

Kemp GJ, Taylor DJ, Frostick SP, Radda GK (1991): Skeletal muscle bioenergetics in Duchenne and Becker Dystrophy and carriers. Proceedings of the Medical Research Society, Cambridge, July 11th.

Audit for Consultants, The Royal College of Surgeons, London; May 23rd 1991.

British Orthopaedic Association Meeting, Cambridge, September 1991.

British Microsurgical Society Meeting, Mount Vernon, October 1991. Presentation of paper on biochemical and physiological changes in denervated muscle.

Invited participant and chapter author, at a symposium on Outcome Measurements in Orthopaedics, Royal Orthopaedic Hospital, Birmingham, November 1991.

Organiser and presenter, Orthopaedic Comparative Audit Meeting, Royal College of Surgeons of England, London, November 1991.

Invited participant "Journées de Chirurgie Orthopédique et Traumatologique, Hôpital Bichat, Jubilé Duparc", Paris 29th to 31st January 1991.

Poster for the 9th Combined Meeting of the Orthopaedic Associations of the English Speaking World, Toronto, June 22nd - 26th 1992. Magnetic resonance spectroscopy in dystrophic muscle.

Organiser and presenter 2nd Orthopaedic Comparative Audit Meeting, Royal College of Surgeons of England, London, November 19th 1992.

Chapter contributor for “Outcome Measures in Musculoskeletal Trauma”. Chapter on Complications in musculoskeletal trauma. Meeting Royal Orthopaedic Hospital, Birmingham, 11th and 12th February 1993.

Paper presented on “Glenoid reconstruction in the dysplastic shoulder”, British Elbow and Shoulder Society, Wrightington Hospital, March 19th 1993.

Invited participant and panel member (Technical Problems in Microsurgery), GAM Meeting, St Tropez, May 1993.

Invited participant *First Global Arthroscopy Study Group*, Kentucky Lake, Tennessee, May 1993.

Paper presented, “Glenoid reconstruction in the dysplastic shoulder”, European Shoulder and Elbow Society (SECEC), Aarhus, Denmark, June 1993.

Co-author “Ipsilateral shoulder and elbow arthroplasty in the rheumatoid patients at one operating session. Neumann L, Frostick SP, Wallace WA, Damrel D, Mackie A. European Shoulder and Elbow Society (SECEC), Aarhus, Denmark, June 1993.

Organiser and Host: Endoscopic carpal tunnel release workshop sponsored by Concept/Zimmer UK, June 23rd 1993.

Organiser First Biomet Instructional Course on total shoulder and total elbow replacement. Nottingham, October 28th and 29th 1993.

Organiser and presenter 3rd Confidential Comparative Audit Meeting, the Royal College of Surgeons, London, 19th November 1993.

*Abstract*, Lumps in and around nerves, SP Frostick and BJ Preston, British Microsurgical Society Annual Meeting, Nottingham, November 26th 1993.

*Abstract*, An unusual presentation of a sciatic nerve neurofibroma, SP Frostick and RC Mulholland, British Microsurgical Society Annual Meeting, Nottingham, November 26th 1993.

*Abstract*, End-organ failure in muscle following nerve injury, Frostick SP, XIth Symposium on the Brachial Plexus, Lausanne, February 1994.

*Abstract*, Freeze thawed muscle grafts in human nerve repair, Frostick SP, XIth Symposium on the Brachial Plexus, Lausanne, February 1994.

*Abstract*, Shoulder MR for suspected musculo-skeletal neoplasm, Dawson JS, Spencer NJ, Dowling F, Wallace WA, Frostick SP, Preston BJ. Annual Scientific Meeting Royal College of Radiologists, Norwich 1994.

*Poster*, The absorption of Flurbiprofen from a topical preparation in patients undergoing an arthroscopy. VIIIth EULAR conference, Istanbul, Turkey, June 1994.

*Session Chairman* 2nd Congress of the European Federation of Societies for Microsurgery, Copenhagen, June 1994.

*Abstract*, A patient controlled rehabilitation plan after the Bankart operation. McDermott D, Wallace WA, Frostick SP. 8th Congress of SECEC, Barcelona, June 1994.

*Abstract*, Reconstruction of the acromion following acromionectomy, Wallace WA, Neumann L, Frostick SP. 8th Congress of SECEC, Barcelona, June 1994.

*Abstract*, Clavicular reconstruction after failure of partial excision of the lateral end of the clavicle, Frostick SP, Neumann L, Wallace WA, 8th Congress of SECEC, Barcelona, June 1994.

*Abstract*, Thoraco-scapular fusion in non-dystrophy patients, Neumann L, Frostick SP, Wallace WA, 8th Congress of SECEC, Barcelona, June 1994.

*Abstract*, The management of locked traumatic posterior dislocations, Armstrong A, Frostick SP, Wallace WA, 8th Congress of SECEC, Barcelona, June 1994.

*Abstract*, Screening for DVT following joint replacement, Hunter JB, Gregson R, Frostick SP, British Orthopaedic Research Society Meeting, Nottingham, September 1994.

*Abstract*, Dalteparin (Fragmin) for the prevention of fatal pulmonary embolus following joint replacement, Hunter JB, Gregson R, Frostick SP, British Orthopaedic Association Meeting, Nottingham, September 1994.

Organiser, the 3rd Biomet Course on Total Shoulder and Total Elbow Replacement, Nottingham, September 9th/10th 1994.

*Abstract*, A mechanical study of the Mitek Suture Anchor System, McDermott D, Frostick SP, Wallace WA. British Orthopaedic Research Society, Bristol, March 1995.

Attendance, Controversies in Shoulder Surgery, London, 30<sup>th</sup> March 1995.

External Examiner, University of Toronto, April 24<sup>th</sup>-28<sup>th</sup> 1995.

*Abstract*, The management of locked traumatic posterior shoulder dislocations, Armstrong AL, Frostick SP, Wallace WA. 6<sup>th</sup> International Congress on Surgery of the Shoulder, Helsinki, 27<sup>th</sup> June - 1<sup>st</sup> July 1996.

*Abstract*, An epidemiological study of patients with rotator cuff tears compared to control, Mohammed KF, Neumann L, Frostick SP, Wallace WA. 6<sup>th</sup> International Congress on Surgery of the Shoulder, Helsinki, 27<sup>th</sup> June - 1<sup>st</sup> July 1995.

*Abstract*, Four years experience of uncemented glenohumeral arthroplasty, Wallace WA, Neumann L, Zyto K, Frostick SP. 6<sup>th</sup> International Congress on Surgery of the Shoulder, Helsinki, 27<sup>th</sup> June - 1<sup>st</sup> July 1995.

*Abstract*, Magnetic resonance imaging (MRI) in the assessment of tumours around the shoulder, Dawson JS, Preston BJ, Spencer NJ, Dowling F, Wallace WA, Frostick SP, Kerslake RW. 6<sup>th</sup> International Congress on Surgery of the Shoulder, Helsinki, 27<sup>th</sup> June - 1<sup>st</sup> July 1995.

Delegate, Surgeon Educators Course, Windsor Castle 4<sup>th</sup> - 8<sup>th</sup> September 1995.

*Abstract*, The use of Bayesian risk analysis in patients with fractures of the proximal femur, Frostick SP, Fowler S. British Orthopaedic Association Annual Meeting, Aberdeen, 20<sup>th</sup> - 22<sup>nd</sup> September 1995.

Consultant for Representative training Johnson and Johnson plc, Chepstow, 21<sup>st</sup> March 1996.

Chairman: Kudo User's Group Meeting, Norwich, 9<sup>th</sup> - 10<sup>th</sup> May 1996.

Consultant for Representative Training for Biomet Ltd, June 25<sup>th</sup> - June 26<sup>th</sup> 1996.

Delegate, SICOT, Amsterdam 19<sup>th</sup> - 23<sup>rd</sup> August 1996.

*Abstract*, Winging of the scapula, a fresh look at the long thoracic nerve, Manning PA, Frostick SP, Wallace WA. 9<sup>th</sup> Congress of the European Society for Surgery of the Shoulder and Elbow, Nottingham, 19<sup>th</sup> - 21<sup>st</sup> September 1996.

Morris AD, Kemp GJ, Lees A, Frostick SP. Reproducibility of intramuscular dual fine wire electromyography of the shoulder. Proceedings of Annual Meeting, British Orthopaedic Research Society (Combined Musculoskeletal Research Forum), Oxford, 30-31<sup>st</sup> March 1998. Journal of Bone and Joint Surgery (British) Supplement III; 1998, 268.

Hughes PJ, Fisher AC, Frostick SP. An in vitro study of arthroscopic slipknot mechanics in Bankart repair. Proceedings of Annual Meeting, British Orthopaedic Research Society (Combined Musculoskeletal Research Forum), Oxford, 30-31<sup>st</sup> March 1998. Journal of Bone and Joint Surgery (British) Supplement III; 1998, 60.

Frostick SP, Morris AD, Gibson J, Kemp GJ. Shoulder instability – normal or pathological. Proceedings of 3<sup>rd</sup> Annual Congress of the European College of Sports Science, Manchester, UK, July 15-18, 1998.

Frostick SP, Sinopidis CT, Gibson JC. Treatment of snapping scapula syndrome with correction of muscle imbalances through rehabilitation. Proceedings of 7<sup>th</sup> International Congress on Surgery of the Shoulder, Sydney, Australia, 5-8 October 1998, p. 149

Gibson JC, Frostick SP. Efficacy of a muscle imbalance programme in the treatment of multidirectional instability of the shoulder. Proceedings of 7<sup>th</sup> International Congress on Surgery of the Shoulder, Sydney, Australia, 5-8 October 1998, p. 251

Frostick SP, Sinopidis CT, Richmond J. Arthroscopic capsular shrinkage for patients with multidirectional instability of the shoulder. Proceedings of 7<sup>th</sup> International Congress on Surgery of the Shoulder, Sydney, Australia, 5-8 October 1998, p. 160

Manning PA, Frostick SP, Neumann L & Wallace WA. Winging of the scapula: neurolysis of the long thoracic nerve - two years of follow-up. Proceedings of 7<sup>th</sup> International Congress on Surgery of the Shoulder, Sydney, Australia, 5-8 October 1998, p. 217

Hughes PJ, Fisher AC, Frostick SP. An in vitro study of arthroscopic slipknot mechanics in Bankart repair. Proceedings of 7<sup>th</sup> International Congress on Surgery of the Shoulder, Sydney, Australia, 5-8 October 1998, p. 239. (Awarded 'Best Scientific Poster Prize')

Morris AD, Kemp GJ, Lees A, Frostick SP. Reproducibility of dual fine wire electromyography of the shoulder. Proceedings of 7<sup>th</sup> International Congress on Surgery of the Shoulder, Sydney, Australia, 5-8 October 1998, p. 274

Vrettos BS, Neumann L, Frostick SP, Mackie A & Damrel D. One stage arthroplasty of the ipsilateral shoulder and elbow. Proceedings of 7<sup>th</sup> International Congress on Surgery of the Shoulder, Sydney, Australia, 5-8 October 1998, p. 141

Morris AD, Kemp GJ, Lees A, Frostick SP. Electromyographic studies of the shoulder in multidirectional instability and laxity. Journal of Bone and Joint Surgery (British) Supplement III 1999 (in press)

Morris AD, Kemp GJ, Lees A, Frostick SP. Electromyographic studies of the shoulder in multidirectional instability and laxity. Journal of Shoulder and Elbow Surgery 1999 (in press)

Kemp G.J., Bimson W.E., Roberts N., Bakran A., Rankin A., Frostick SP Mitochondrial function and oxygen supply in normal and in chronically ischaemic muscle: a combined <sup>31</sup>P MRS and near infra-red study in vivo. *European Journal of Medical Research* 2000; 5, 13.

Muscle mitochondrial function and oxygenation in haemodialysed patients: a combined <sup>31</sup>P magnetic resonance spectroscopy and near infrared spectroscopy study in vivo. Crowe AV, Kemp GJ, Bimson WE, Roberts JN, Anijeet HKI, Gong QY, Griffiths RD, Bell GM and Frostick SP. Meeting of the Renal Association of the Royal College of Physicians, London, 4<sup>th</sup> April 2000. *Nephrology, Dialysis & Transplantation* 2000 (in press).

Sinopidis C, Babhulkar A, Ritchie D, Frostick SP. Bipolar shoulder arthroplasty-cineradiographic evaluation. *Journal of the Hellenic Association of Orthopaedic Surgery and Traumatology* 1999; 50 Suppl 1, 54.

Sinopidis C, Gibson J, Frostick SP. Snapping scapula syndrome and muscle imbalances. *Journal of the Hellenic Association of Orthopaedic Surgery and Traumatology* 1999; 50 Suppl 1, 2.

Sinopidis C, Al-Maskari S, Frostick SP. Thermal coagulation of the shoulder joint capsule, *Journal of the Hellenic Association of Orthopaedic Surgery and Traumatology* 1999, 50 Suppl 1,49.

A D Morris, G J Kemp, A Lees, S P Frostick. Electromyographic studies of the shoulder in multidirectional instability and laxity. Royal Society of Medicine (Section of Orthopaedics), President's Millenium Prize Papers meeting, 2<sup>nd</sup> May 2000.

Changes in range of back motion in patients with low back pain treated with proprioceptive neuromuscular facilitation (PNF). K Kiani, SP Frostick, PH Dangerfield, K Ebrahim. 7<sup>th</sup> Annual Iranian Students Seminar in Europe, 20-21 May, Manchester.

Roebuck M.M. Machani B. Bradburn S.; Bee A. Helliwell T.R. Gray I. Frostick S.P. Gelatinase MMPs in Palmar Fibromatosis: Immunohistochemistry & Zymography presented at British Orthopaedic Research Society, Oct 2000.

Gong QY, Kemp GJ, Farmer SE, Brooks JCW, Tucker A, Frostick SP, Quinlivan RCM, Roberts N. Partial volume corrected unbiased estimation of abnormalities in the volume of fat and connective tissue in dystrophic muscle in vivo. *Proceedings of 17<sup>th</sup> Annual Meeting of the European Society for Magnetic Resonance in Medicine and Biology*, 14-17 September, Paris, France. *MAGMA* 11, Supplement 1, 11, 2000.

Kemp GJ, Crowe AV, Bimson WE, Roberts N, Anijeet HKI, Gong QY, Bell GM, Frostick SP. Muscle mitochondrial function and oxygenation in haemodialysed patients: a combined phosphorus magnetic resonance spectroscopy and near infra-red spectroscopy study. *Proceedings of 17<sup>th</sup> Annual Meeting of the European Society for Magnetic Resonance in Medicine and Biology*, September 14-17, Paris, France. *MAGMA* 11, Supplement 1, 55, 2000.

Kemp GJ, Bimson WE, Roberts N, Bakran A, Rankin A, Frostick SP. Mitochondrial function and oxygen supply in normal and chronically ischaemic muscle: a combined <sup>31</sup>P MRS and near infra-red study. *Proceedings of 17<sup>th</sup> Annual Meeting of the European Society for Magnetic Resonance in Medicine and Biology*, September 14-17, Paris, France. *MAGMA* 11, Supplement 1, 275, 2000.

Kemp GJ, Gong QY, Farmer S, Roberts N, Quinlivan RCM, Frostick SP. Unbiased estimation of muscle fat, water and connective tissue in vivo. *Special Millennium Meeting, World Muscle Society, Kruger National Park, South Africa, June 25-29, 2000. Neuromuscular Disorders* 2000, 10, 4-5.

Ebied AM, Kemp GJ, Frostick SP. The influence of cutaneous anaesthesia on the motor function of the hand. 3<sup>rd</sup> congress of the Romanian Society of Hand Surgery. Romania, May 2000. Romanian Journal of Microsurgery 2000, 5, 59.

Yin Q, Frostick SP, Kemp GJ, Yu-gang L. Neurotrophin-40 delivered by fibrin glue promotes peripheral nerve regeneration. British Orthopaedic Research Society, Leicester, April 17-18 2000. Journal of Bone and Joint Surgery (British) 2000.

Crowe AV, Kemp GJ, Bimson WE, Roberts JN, Anijeet HKI, Gong QY, Griffiths RD, Bell GM and Frostick SP. Muscle mitochondrial function and oxygenation in haemodialysed patients: a combined <sup>31</sup>P magnetic resonance spectroscopy and near infra-red spectroscopy study in vivo. Meeting of the Renal Association of the Royal College of Physicians, London, 4<sup>th</sup> April 2000. Available on Kidney International Society Abstracts page: (<http://www.blackwell-science.com/~cgilib/kisrch.bin?mode=main>), No 13.

Morris AD, Kemp GJ, Lees A, Frostick SP. Electromyographic studies of the shoulder in multidirectional instability and laxity (this won the L Kessel Prize for best paper at BESS British Elbow and Shoulder 1999. Journal of Bone and Joint Surgery (British) Supplement III 2001.

Crowe AV, Kemp GJ, Roberts N, Anijeet HKI, Gong QY, Bell GM, Frostick SP. Noninvasive measurement of muscle wasting and increased fat content in haemodialysed patients: a magnetic resonance imaging study. 50<sup>th</sup> Anniversary Meeting, Renal Association, 27-29 September 2000, Cambridge UK. Available on Kidney International Society Abstracts page: (<http://www.blackwell-science.com/~cgilib/kisrch.bin?mode=main>), No 23.

Kemp GJ, Frostick SP, Roberts N, Quinlivan RCM, Farmer SE. Relationships between muscle strength, volume and composition in Becker muscular dystrophy. Gong QY. Poster at Annual Scientific Day, Orthotic Research & Locomotor Assessment Unit, Robert Jones & Agnes Hunt Orthopaedic & District NHS Trust, Oswestry, Shropshire, 30 March 2000.

Ebied AM, Kemp GJ, Frostick SP. The influence of cutaneous anaesthesia on the motor function of the hand. Proceedings 5th E.F.S.M. Congress European Federation of Societies for Microsurgery. Coimbra, Portugal., Execucao Grafica G.C, Grafica de Coimbra, 2000.

Ebied AM, Kemp GJ, Fisher AJ, Hagan R, Frostick SP A new imaging system for the study of scapular movements. Proceedings of 14<sup>th</sup> Annual Meeting of SECEC (European Society for Surgery of the Shoulder and the Elbow), Lisbon, Portugal, 20-24 September 2000.

Sensitivity and repeatability of fine wires and surface electrodes in recording myoelectric fatigue of the *serratus anterior*. Ebied AM, Kemp GJ, Morris AD, Frostick SP. Proceedings of 14<sup>th</sup> Annual Meeting of SECEC (European Society for Surgery of the Shoulder and the Elbow), Lisbon, Portugal, 20-24 September 2000.

Kemp GJ, Crowe AV, Bimson WE, Roberts N, Anijeet HKI, Gong QY, Bell GM, Frostick SP. Muscle mitochondrial function and oxygenation in haemodialysed patients: a combined phosphorus magnetic resonance spectroscopy and near infra-red spectroscopy study. Proceedings of Annual Meeting of the British Chapter of the International Society for Magnetic Resonance in Medicine, 26-27 July 2000, Liverpool, UK.  
Gong QY, Kemp GJ, Farmer SE, Brooks JCW, Tucker A, Frostick SP, Quinlivan RCM, Roberts N. Partial volume corrected unbiased estimation of abnormalities in the volume of fat and connective tissue in dystrophic muscle in vivo. Proceedings of Annual Meeting of the British Chapter of the International Society for Magnetic Resonance in Medicine, 26-27 July 2000, Liverpool, UK.

Kemp GJ, Bimson WE, Roberts N, Bakran A, Rankin A, Frostick SP. Mitochondrial function and oxygen supply in normal and chronically ischaemic muscle: a combined <sup>31</sup>P MRS and near

infra-red study. Proceedings of Annual Meeting of the British Chapter of the International Society for Magnetic Resonance in Medicine, 26-27 July 2000, Liverpool, UK.

Kemp GJ, Crowe AV, Anijeet HKI, Gong QY, Bimson WE, Frostick SP, Bone JM, Bell GM, Roberts N. Abnormal muscle metabolism in dialysed patients studied noninvasively *in vivo*. American Society of Nephrology/International Society of Nephrology World Congress of Nephrology, October 13-17<sup>th</sup> 2001, San Francisco, California, U.S.A. Journal of the American Society of Nephrology 2001; 12, A1925.

Crowe AV, McArdle A, Kemp GJ, Bell GM, Bone JM, Griffiths RD, Jackson MJ. Evidence of oxidative stress and adaptations in the muscle of patients on haemodialysis. Autumn Meeting, Renal Association, 20-21 September 2001, London UK. Available on Kidney International Society Abstracts page: (<http://www.blackwell-science.com/~cgilib/kisrch.bin?mode=main>).

Helliwell TR, Roebuck M, Chaudhry IH, Charlwood CA, Carter S, Frostick SP, Jane MJ Immunohistochemical distribution of Matrix Metalloproteinases (MMPs) in Fibromatoses and Malignant Fibrous Histiocytomas of the extremities (accepted for presentation) J.Path 2001.

Helliwell TR, Roebuck M, Chaudhry IH, Charlwood CA, Machani B, Carter S, Frostick SP, Jane MJ Expression and activation of gelatinase matrix metalloproteinases by soft tissue neoplasms of the extremities *in vitro* (accepted for presentation) J.Path 2001.

18 oral presentations and 4 posters have been accepted for the International Conference for Surgery of the Shoulder, Cape Town, South Africa, April 2001.

Kemp GJ, Crowe AV, Anijeet HKI, Gong QY, Bimson WE, Frostick SP, Bone JM, Bell GM, Roberts N. Abnormal muscle metabolism in dialysed patients studied noninvasively *in vivo*. American Society of Nephrology/International Society of Nephrology World Congress of Nephrology, October 13-17<sup>th</sup> 2001, San Francisco, California, U.S.A. Journal of the American Society of Nephrology 2001; 12, A1925.

Ebied AM, Kemp GJ, Morris AD, Frostick SP. Myoelectric fatigue of the serratus anterior using different exercise and EMG recording protocols. Proceedings of 8<sup>th</sup> ICSS Cape Town, South Africa.

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Morris AD, Kemp GJ, Lees A, Frostick SP. Shoulder girdle muscle activity in multidirectional instability. Proceedings of 8<sup>th</sup> ICSS 23-26 April, 2001, Cape Town, South Africa.

Sathyamoorthy P, Trail I, Kemp GJ, Frostick SP. Generation and validation of an elbow score. Proceedings of 8<sup>th</sup> ICSS, 23-26 April, 2001, Cape Town, South Africa.

Kemp GJ, Roberts N, Bimson WE, Bakran A, Frostick SP. Muscle oxygenation and ATP turnover studied by <sup>31</sup>P MRS and NIRS: implications and limitations. Proceedings of the International Workshop on Noninvasive Investigation of Muscle Function, October 4-6, 2001, Marseille, France, pp 136-137.

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Helliwell TR, Roebuck M, Chaudhry I, Charlwood CA, Machani B, Carter S, Frostick SP, Jane MJ (2001) Expression and activation of gelatinase matrix metalloproteinases by soft tissue neoplasms of the extremities in vitro. *J.Pathol.* 193 (suppl) 32B.

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Helliwell T.R, Roebuck M.M. Kalogrianitis S, Bee A, Sudan M, Gray I, Frostick S.P (2001) Effects of tourniquet ischaemia on HIF-1 $\alpha$  and MMP9 production by tissue from palmar fascia. *J.Pathol.* 195 (suppl) 36A.

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Chaudhry I, Roebuck MM, Helliwell TR, Jane MJ, Machani B, Carter SD, Frostick SP (2001) Vascularity, hypoxia and necrosis in soft tissue neoplasms of the extremities. *J.Pathol.* 195 (suppl) 36A.

Sathyamoorthy P, Roebuck M.M., Helliwell T.R, Trail I, Frostick S.P (2001) Gelatinase MMPs in aseptic loosening of shoulder prostheses. *J.B.J.S.(Br)* suppl.

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Yin Q, Kemp GJ, Yu LG, Wagstaff S, Frostick SP (2002). Neurotrophin-4 delivered by fibrin glue promotes peripheral nerve regeneration. XIII International Symposium on Brachial Plexus Surgery. 25-26 January 2002, Paris, France.

Sathyamoorthy P, Trail I, Kemp GJ, Frostick SP. Generation and validation of an elbow score. Proceedings of 16<sup>th</sup> Annual Meeting of SECEC (European Society for Surgery of the Shoulder and the Elbow), 18-21 September 2002. Budapest, Hungary.

Kemp GJ, Bimson WE, Crowe AV, Anijeet HKI, Roberts N, Frostick SP. 'Muscle oxygenation and ATP turnover when blood flow is impaired by vascular disease'. Proceedings of First International Conference on Biomedical Spectroscopy: From Molecules to Men, 7-10 July 2002, Cardiff, UK.

Kemp GJ, Roberts N, Bimson WE, Crowe AV, Anijeet HKI, Bakran A, Frostick SP. Muscle oxygenation and mitochondrial function *in vivo* studied by <sup>31</sup>P MRS and NIRS in patients with vascular disease and in patients with chronic renal failure on haemodialysis. Proceedings of the 3rd Symposium on Mitochondrial Physiology (MiP), Schroecken, Austria, September 12-15, 2003.

Kemp GJ, Bimson WE, Crowe AV, Anijeet HKI, Roberts N, Frostick SP. 'Muscle wasting and metabolic abnormalities in haemodialysed patients investigated by <sup>31</sup>P magnetic resonance spectroscopy, magnetic resonance imaging and near infrared spectroscopy'. Proceedings of Second International Conference on Biomedical Spectroscopy: From Molecules to Men, 5-8 July 2003, London, UK

ICSS 2004

Reasons for the Failed Shoulder Arthroplasty

Qi Yin, MD (n), Ashif Pardiwala, MD, Christo Sinopidis, MD, Simon P. Frostick, MD

Expanded Assessment in Multidirectional Instability: An Aid in Planning Effective Rehabilitation?

Jo C. Gibson, GradDipPhy (n), Vanessa S. Rayner BapSci, Simon Frostick, MA, DM, FRCS

Involuntary Positional Instability: When Rehabilitation Fails, is Botulinum Toxin the Solution?

Jo C. Gibson, GradDipPhy, Vanessa S. Rayner, BapSci, Christos Sinopidis, MD, Simon Frostick, MA, DM, FRCS (n)

Scapulothoracic Fusion: A Mid-Term Follow-Up

Sridhar Musthyala, FRCS (n), A. Ebied, Mch, C. Sinopidis, MD, Q. Yin, MD, S.P. Frostick, FRCS

Eden Lange Muscle Transfer: A Mid-Term Follow-Up

A. Ebied, Mch (n), S. Musthyala, FRCS, C. Sinopidis, MD, Q. Yin, MD, S.P. Frostick, FRCS

Evaluation of Sternoclavicular Joint Disorders

Arvind Rawal, MS, FRCS, Vrinda Bihari Somanchi, MS (n), Andrew Dunn, Pidikiti Prasad, Chris Sinopidis, David A. Ritchie, Peter Brownson, Simon P. Frostick, DM, FRCS

Stabilization Procedure for Sternoclavicular Joint Instability

Zain Ul Abiddin, MS, FRCS (n), Chris Sinopidis, MD, Yin Qi, MD, Prof Simon P. Frostick, MA, DM

Mid-Term Results of Planttan Plate - Proximal Humerus Fracture Fixator Plate

Bhuvaneshwar Machani, MRCS (n), C. Sinopidis, MBChb, P. Papadopoulos, MBChb, P. Brownson, FRCS(orth), J. Gibson, K.. P. Meda, FRCS, S. P. Frostick, FRCS(orth)

Clavicular Hook Plate for Lateral End Fractures

Prasad Meda, FRCS (n), Bhuvaneshwar Machani, Chris Sinopidis, Peter Brownson, Ian Braithwaite, Simon Frostick

Session X: Elbow

Moderators: Simon Frostick, MD (n) and Basil C. Vrettos, MD, FRCS (b)

Total Elbow Replacement for Acute C3 Distal Humeral Fractures in the Elderly Population

Christos Sinopidis, MD, Mohhamed El Meligy, MD, Socrates Kalogrianitis, FRCS (n), Ravi Pydishetty, FRCS, Simon P. Frostick, FRCS

Fluoroscopy After Radial Head Replacement Arthroplasty

Pidikiti Prasad, MS (n), Arvind Rawal, MS, FRCS, Dave Ritchie, Peter Brownson, Simon Frostick, MD, FRCS, Chris Sinopidis, MD

Multidirectional Instability: A review of 124 cases

Jo C. Gibson, GradDipPhy, Vanessa S. Rayner, BapSci (n), Simon Frostick, MA, DM, FRCS

Capsular Shrinkage: Factors Increasing the Risk of Failure  
Christos Sinopidis, MD (n), Jo Gibson, MCSP, Arvind Rawal, FRCS,  
Simon P. Frostick, FRCS

Vascular Proliferation and Nsais in the Torn Rotator Cuff  
Arvind Rawal, MS, FRCS (n), Anuradha Sheth, Margaret Roebuck, Jo  
Gibson, Vanessa Rayner, Simon P. Frostick

The Effect of Bankart Lesions on the Sagittal Axis Pathway of Extending  
Shoulders.  
Nicholas W. Emms, MRCS (n), John D. Moorehead, PhD, Stephen C.  
Montgomery, FRCS, Peter Brownson, FRCS, Simon P. Frostick, FRCS

Early Versus Late Mobilization Following Shoulder Hemiarthroplasty  
for Proximal Humeral Fractures.  
Ioannis Agorastides, MRCS (n), Chris Sinopidis, Mohamed El Meligy,  
Quy Yin, Peter Brownson, Simon P. Frostick

Shoulder Revision Arthroplasty: Patient Satisfaction and Functional Outcome.  
Asif Pardiwala, MS Orthopaedics(a,e-Royal Liverpool University Hospital), Chris Sinopidis, Qi Yin,  
Simon Frostick, Mohammed Elmeligy

Wear Debris Morphology in Aseptically Loosened Shoulder Prostheses  
Paramasivam Sathyamoorthy, FRCS (n), Alistair Elfick, PhD, Green Green, PhD, Margaret Roebuck,  
Simon Frostick, FRCS

Arthroscopic Release of Coracohumeral Ligament in the Treatment of Frozen Shoulder  
Bhuvaneshwar Machani, MRCS (n), A Acharya, FRCS, C Sinopidis, MBChB, P Brownson,  
FRCS(orth), K P Meda, FRCS, S P Frostick, FRCS(orth)

Measuring Myoelectric Fatigue of the Serratus Anterior in Healthy Subjects and Patients with Long  
Thoracic Nerve Palsy  
Ayman M Ebied, MS MCh Orth (a-Mendufiya, Egypt, e-Prof. Simon Frostick), Graham J Kemp, MA  
DM  
MRCPPath, Simon P Frostick, MA DM FRCS

Malignant Peripheral Nerve Sheath Tumours of Brachial Plexus  
Arvind Rawal, MS FRCS (n), Pidikiti Prasad, MS, Qi Yin, MD, Chris Sinopidis, Simon Frostick, MD  
FRCS, Tim Helliwell, MD, FRCPPath

Functional Outcome Following Open Repair of Distal Attachment of Biceps Tendon  
Bhuaneswar Machani, MRCS (n), Prasad Meda, Peter Brownson, Qi Yin, Simon Frostick, FRCS

A Prospective Randomised Study Comparing Aspiration Alone versus Aspiration and Injection of  
Bupivacaine in the Treatment of Radial Head Fractures  
Helene L Stevenson, MBChB (\*), Chris Sinopidis, MBChB, Peter Brownson, DM, Qi Yin, MBChB,  
Simon p Frostick, DM, Alfred Morris, MBChB, P Papadopoulos, MD, V Xalidis

Bilateral Osteochondritis Dissicans (OCD) of the Elbow in Female Gymnasts  
Mohamed Fouad El-Meligy, MS Orth (n), Chris Sinopidis, MD, David Ritchie, MB.BS,FRCR, Simon  
P Frostick, MA DM FRCS

Development and Validation of an Outcome Measure for Elbow  
Paramasivam Sathyamoorthy, FRCS (n), Graham Kemp, DM, Arvind Rawal, Vanessa Raynor, Simon

Frostick, FRCS

Humeral Fracture Fixation Using Proximal Humeral Nails

Claire K Simpson, MBChB (n), Christos Sinopidis, April Matthews, Qi Yin, Peter Brownson, Simon Frostick

The Use of the Limited Contact Plate in Complex Humeral Shaft Fractures

Daniel J Brown, MB ChB (n), Christos Sinopidis, Peter Brownson, Simon P Frostick

Vascular Proliferation and NSAIDs in the Torn Rotator Cuff

Simon P. Frostick, Arvind Rawal, MS, FRCS, Anuradha Sheth, Margaret Roebuck, Jo Gibson, Vanessa Rayner. AAOS, 2005, Washington DC.

Khayat O, Fisher A, Kemp G, Frostick SP. Wrist strength measurements: the normal balance between forearm antagonistic muscle groups. AAOS, 2006, Chicago.

### **Invited lectures:**

International Symposium on Brachial Plexus Injuries, St Mary's Hospital, February 1987.

Guest Lecturer on "Magnetic Resonance in Musculoskeletal Disease", October 1988, University of Toronto, Toronto, Canada. A series of 4 formal and 7 informal lectures were given 23<sup>rd</sup> - 30<sup>th</sup> October 1988.

Invited keynote speaker, SIROT Interim Meeting, Lund, Sweden, August 18<sup>th</sup> -21<sup>st</sup> 1989. Paper entitled magnetic resonance spectroscopy and imaging of the musculoskeletal system.

Invited Lecturer, Department of Radiology, Toronto Hospitals. Lecture entitled "Osteonecrosis".

Hunterian Lecture, "Peripheral nerve injury - a problem of end-organ failure?", the Middlesex Hospital, December 1992.

Invited speaker at a symposium on peripheral nerve injuries at the Blond McIndoe Centre, Queen Victoria Hospital, East Grinstead, February 25th 1993.

Invited speaker Royal College of Surgeons of England "Rolling Audit" meeting, Leicester, May 1993.

Invited Lecturer on brachial plexus injuries, upper limb symposium, University of Leuven, August 1993.

Invited Lecturer, Skovde Hospital, Sweden. Shoulder Arthroscopy. December 9th/10th 1993.

Invited speaker, 25th BOA Instructional Course, Chester, January 22nd/23rd 1994, Peripheral Nerve Injuries - Surgical Aspects.

Invited Lecturer, 7th Transdermal Therapeutic Symposium, Tokyo, February 1994. The absorption of Flurbiprofen from a topical preparation in patients undergoing an arthroscopy

Invited Lecturer, Orthopaedic Dilemmas and Answers, Marbella, October 1994.

Avoiding complications in shoulder and elbow replacements, (ii) Design, development and early experience with the Nottingham Shoulder, (iii) The role of hemiarthroplasty in proximal humeral fractures.

Invited Lecturer, Derby Hand Meeting, 14<sup>th</sup> May 1996.

Organiser, Joint Meeting British Microsurgical Society and Groupe pour l'Avancement de Microchirurgie, Lille, France and Ashford, Kent 25<sup>th</sup>-27<sup>th</sup> May 1995.

Invited speaker, International Thrombosis and Haemostasis Meeting, Jerusalem, 14<sup>th</sup>-18<sup>th</sup> June 1995.

Invited speaker, Orthopaedic Challenges and Solutions, Marbella 19<sup>th</sup> - 21<sup>st</sup> October 1995.

Faculty Member and Organiser, Biomet Upper Limb Surgery Course, Nottingham, 1<sup>st</sup> - 2<sup>nd</sup> December 1995.

Session Chairman, European Federation of Societies for Microsurgery 3<sup>rd</sup> Congress, Berlin, 17<sup>th</sup> - 19<sup>th</sup> April 1996.

Session Chairman, Fifth Symposium on Primary and Revision Arthroplasty, Cannes, 2<sup>nd</sup> - 4<sup>th</sup> May 1996.

Invited Speaker, 12<sup>th</sup> Microsurgical Workshop of the Greek Microsurgical Association, 29<sup>th</sup> May - 1<sup>st</sup> June 1996.

Organiser: Course on anterior stabilisation of the shoulder (sponsored by Mitek, a Division of Johnson and Johnson plc), June 6<sup>th</sup>-7<sup>th</sup> 1996.

Invited Speaker, Charnley Era Meeting, Wrightington Hospital, 12<sup>th</sup> June 1996.

Invited Speaker, International Microsurgery Society 13<sup>th</sup> Congress, Montreal, 19<sup>th</sup> - 23<sup>rd</sup> June 1996.

Member of the organising committee 9<sup>th</sup> Congress of the European Society for Surgery of the Shoulder and Elbow, Nottingham, 19<sup>th</sup> - 21<sup>st</sup> September 1996.

Invited Lecturer: 2<sup>nd</sup> Congress of the Roumanian Society for Reconstructive Microsurgery, Brasov, Roumania, 27<sup>th</sup> - 29<sup>th</sup> September 1996.

Organiser: Skeletal Dysplasia Society Meeting, The Liverpool Medical Institute, Liverpool, 2<sup>nd</sup> October 1996.

Visiting Professor University of Ioannina, Greece, 6<sup>th</sup>- 9<sup>th</sup> October 1996.

Invited participant: Star Chamber on thromboprophylaxis, London, 25<sup>th</sup> October 1996 (Chairman Professor Vijay Kakkar).

Faculty member: Course on anterior stabilisation of the shoulder (sponsored by Mitek, a Division of Johnson and Johnson plc), Nottingham, 6<sup>th</sup> - 7<sup>th</sup> December 1996.

Organiser: Course on surgery of the upper limb (sponsors Biomet Ltd), Liverpool, December 13<sup>th</sup> - 14<sup>th</sup>.

Organiser: 1<sup>st</sup> European Course on Upper Limb Surgery (sponsors Biomet Europe), Nantes, 12<sup>th</sup>- 15<sup>th</sup> March 1997.

Invited lecture on 'Mortality after lower limb joint arthroplasty: results from the Nottingham study' in Symposium on Prevention of Venous Thrombosis and Thromboembolism in Orthopaedic Practice, Royal College of Surgeons of Edinburgh, April 1997.

Invited lecture on 'Recent advances in the design of shoulder and elbow arthroplasty' at Wrightington Hospital for Joint Disease, April 1997.

The Roscoe Clarke Lecture on 'Advances in the management of brachial plexus injuries', Institute of Accident Surgery, Birmingham, April 1997.

Invited speaker at Controversies in Shoulder Surgery - 3rd International Conference, London, April 1997; invited lecture on 'Indications of upper limb joint arthroplasty' at 16th Annual Meeting of the Orthopaedic Association of Macedonia & Thrace, Thessalonki, Greece, May 1997.

Invited lecture on 'Microsurgery in Europe over 20 years' at XX Congress of GAM (Groupe pour l'avancement de Microchirurgie), La Rochelle, France, May 1997.

Session Chairman at 6th. Symposium on Primary and Revision Arthroplasty, Cannes, France, May 1997.

Invited lectures on 'Neurotrophic factors in nerve regeneration' 'The timing of nerve surgery - fact and fiction' 13th Microsurgery Seminar, Preveza, Greece, May 1997.

Invited lecture on 'Shoulder injuries in sport' at GP Forum, Manchester, July 1997.

Invited lectures on 'Up to date knowledge about the treatment of shoulder instability' 'Subacromial decompression in impingement syndrome' at University of Athens Orthopaedic Department Scientific Meeting, Athens, Greece, October 1997.

Invited Lecturer, 2<sup>nd</sup> Congress of the Turkish Society for Reconstructive Microsurgery, Istanbul, September 1997.

Organiser / Scientific Director – Advanced Course in Arthroscopic Techniques in the Shoulder, Vienna, April 1998 (sponsored by Mitek)

Visiting Lecturer Indian Orthopaedic Association Instructional Course, Nagpur, April 1998.

Organiser / Scientific Director 2<sup>nd</sup> International Course on Upper Limb Arthroplasty, Lille, France, May 1998.

Chairman, 4<sup>th</sup> Controversies in Shoulder and Elbow Surgery, London, June 1998.

Visiting Professor PGIMER, Chandigarh, India, March 1999. Demonstrating arthroscopic shoulder techniques.

Invited Lecturer, Portuguese Arthroscopy Society, April 1999.

Invited Speaker, Indian Arthroscopic Association, Hyderabad, Dec 1999

Invited Speaker, Indian Orthopaedic Association, Hyderabad, Dec 1999.

Invited Speaker, 3<sup>rd</sup> Asian Federation for Sports Medicine Congress, Muscat, Oman, Jan 2000.

Invited speaker: Indian Arthroplasty Association, Delhi, March 2000.

Organiser 3<sup>rd</sup> International Workshop on Upper Limb Arthroplasty, Lille, March 2000.

Co-Chairman, 2<sup>nd</sup> Advanced Arthroscopy Workshop, Vienna, April 2000.

Invited Speaker: Arthroscopy workshops in India, Greece and Egypt, 2000.

Invited Speaker: Egyptian Orthopaedic Association Annual Conference, November 2000.

2001: Includes invitations to speak in Lille, Essen, Cape Town, London, Greece, Exeter, Taipei, Cairo, Wrigthington, Leeds.

Invited speaker: 50 years of peripheral nerve surgery (Organiser Professor Hanno Millesi), Vienna, 12<sup>th</sup> – 14<sup>th</sup> March 2002.

Invited speaker: Various orthopaedic centres Peoples Republic of China, 8<sup>th</sup> -13<sup>th</sup> April 2002.

Invited speaker: ESSKA, Rome 22<sup>nd</sup> -24<sup>th</sup> April 2002.

Invited speaker: Macedonian and Thrace Orthopaedic Association, Thessaloniki Greece 8<sup>th</sup> to 11<sup>th</sup> May 2002.

Scientific Director 7<sup>th</sup> Advanced Course in Upper Limb Arthroplasty, Barcelona 16<sup>th</sup>-17<sup>th</sup> May 2002.

Invited Speaker: Nordic Orthopaedic Association, Uppsala, Sweden, 30-31<sup>st</sup> May 2002.

Invited Speaker: Greek Arthroscopy Association, Athens 21<sup>st</sup> to 23<sup>rd</sup> June 2002.

Invited Speaker Charnley Era Meeting 26<sup>th</sup> to 28<sup>th</sup> June 2002.

Invited Speaker Football Association Meeting on Sports Injuries Stafford 30<sup>th</sup> June 2002.

Invited Speaker; New Dehli and Hyderabad Upper Limb Symposia 21<sup>st</sup> to 28<sup>th</sup> September 2002.

Chairman Advisory Board on Orthopaedic Thrombophylaxis, Bologna, Italy, 24<sup>th</sup> to 25<sup>th</sup> October 2002.

Invited Speaker: Advanced Arthroscopy Course, Liverpool, 8<sup>th</sup> to 9<sup>th</sup> November 2002.

President 1<sup>st</sup> International Upper Limb Meeting, Cairo, Egypt 11<sup>th</sup> to 13<sup>th</sup> December 2002.

Visiting Professor, The Mayo Clinic, Rochester, Minnesota, USA. May 2003.

Guest Lecturer Greek Arthroscopy Association, March 2003.

Guest Speaker, Shoulder Arthroscopy Meeting, Annecy, France, April 2003.

Guest Speaker, Portuguese Arthroscopy Association, May 2003.

Guest Speaker, Greek Shoulder and Elbow Society (Created Honorary Member), Nov 2003.

Guest Speaker, International Symposium on Sports Injuries, Larissa, Greece, Nov 2003.

President's Guest Speaker, Indian Orthopaedic Association Annual Meeting, Chennai, December 2003.

Invited speaker Asian Pacific Orthopaedic Association Triennial Meeting, Kulal Lumpur, September 2004.

Invited speaker Indian Orthopaedic Association Annual Conference, Agra, December 2004.

## **Publications:**

- Morris PJ, French ME, Ting A, Frostick SP, Hunnisett A (1981). A controlled trial of Cyclosporin A in renal transplantation. International Symposium on Cyclosporin A (Ed. D. White).
- Greenall M, Frostick SP, Wood RF. Acute disseminated tuberculosis: A forgotten post-operative complication. *Journal of the Royal College of Surgeons of Edinburgh*, 1983, 28, 197-198.
- Frostick SP, Collin J, Daar A, Kettlewell M, Nolan D. Non-traumatic intramural haematoma: An unusual case of duodenal obstruction. *British Journal of Surgery*, 1983, 66, 313-314.
- Berry AR, Collin J, Frostick SP, Dudley N, Morris PJ. A prospective audit of the management of upper gastrointestinal haemorrhage in Oxford. *Journal of the Royal College of Surgeons of Edinburgh*, 1984, 29, 134-138.
- Frostick SP, Green CJ. Studies of the transplantation of rat sciatic nerves. *IRCS Med Sci*, 1985, 13, 267-268.
- Frostick SP, Catterson JA, Duthie RB. Cervical spine injuries to rugby players in the Oxford Region under 20 years of age. *Health Trends*, 1986 18, 43-45.
- Massie BM, Conway M, Yonge RP, Frostick SP, Ledingham JGG, Sleight P, Radda GK, Rajagopalan B. <sup>31</sup>P NMR evidence of abnormal skeletal muscle metabolism in patients with congestive heart failure. *Am J Cardiol*, 1987, 60, 309-315.
- Massie BM, Conway M, Yonge RP, Frostick SP, Ledingham JGG, Sleight P, Radda GK, Rajagopalan B. Skeletal muscle metabolism in patients with congestive heart failure: relation to clinical severity and blood flow. *Circulation*, 1987, 76, 1009-1019.
- Massie BM, Conway M, Rajagopalan B, Yonge RP, Frostick SP, Ledingham JCG, Sleight P, Radda GK. Skeletal muscle metabolism during exercise under ischemic conditions in congestive heart failure. Evidence for abnormalities unrelated to blood flow. *Circulation*, 1988, 78, 320-326.
- Dunn J, Frostick SP, Adams GE, Stratford IJ, Howells N, Hogan G, Radda GK. Induction of tumour hypoxia by a vasoactive agent. A combined NMR and radiobiological study. *FEBS Letters*, 1989, 249: 343-347.
- Higgins RM, Richardson AJ, Endre ZH, Frostick SP, Morris PJ. Hypophosphataemia after renal transplantation: Relationship to immunosuppressive drug therapy and effects on muscle detected by <sup>31</sup>P nuclear magnetic resonance spectroscopy. *Nephrol Dial Transplant*, 1990, 5: 62-68.
- Dunn J, Frostick SP, Brown G, Radda GK. Energy status of cells lacking dystrophin: An in vivo/in vitro NMR study of MDx mouse skeletal muscle. *Biochim Biophys Acta*, 1991, 1096, 115-120.
- Koscialkowski A, Frostick SP, Wallace WA. Thoraco-scapulo fusion using allograft bone. *Clin Orthop Rel Res*, 1991, 273: 264-267.
- Frostick SP, Dolecki M, Radda GK. Denervation of the rabbit hindlimb studied by <sup>31</sup>P magnetic resonance spectroscopy. *J Hand Surgery (British volume)*, 1991, 16B: 537-545.
- Frostick SP, Taylor DJ, Radda GK. Denervation of human skeletal muscle studied by <sup>31</sup>P magnetic resonance spectroscopy. *J Hand Surgery (British volume)*, 1992, 17B: 33-46.
- Kemp GJ, Taylor DJ, Dunn JF, Frostick SP, Radda GK. Cellular energetics of dystrophic muscle. *J. Neurol Sci*, 1993, 116:201-206.

- Hunter JB, Lonsdale RJ, Wenham PW, Frostick SP. Heparin induced thrombosis: an important complication of heparin prophylaxis for thromboembolic disease in surgery. *British Medical Journal*, 1993, 307:53-55.
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