

**D. P. JOHNSON.**

**M.D. M.B. Ch.B. F.R.C.S. F.R.C.S. [ORTH] Ed.  
Consultant Orthopaedic Surgeon.**



<b>CURRENT APPOINTMENTS:</b>	Consultant Orthopaedic Surgeon:	
	The Spire Glen Hospital, Bristol.	1992-
	The Chesterfield Nuffield Hospital, Bristol.	1991-
	The Lister Hospital London	2010-
<b>PROFESSIONAL REGULATION POSITIONS:</b>		
	General Medical Council Fitness to Practice, expert advisor	2009 -
	UK-NHS Health Care Commission, Orthopaedic Advisor	2007 - 09
	Action Research. Research Project Funding Assessor	1999 -
	Director Sports-Medicine SW Charity	1995 -
<b>MEDICO-LEGAL REPORTING</b>		
	Medical injury / catastrophic injury / medical negligence reporting	1985-
	NHS Litigation Authority medical negligence expert	2014-
<b>EDITORIAL BOARD</b>		
	The American Journal of Sports Medicine and Knee Surgery	2007 -
<b>EDITORIAL PANEL:</b>		
	The American Journal of Sports Medicine: Principle reviewer	2002 -
	Current Orthopaedics and Related Research	2004 -
	New England Journal Of Medicine.	1991
	British Journal of Sports Medicine.	1996
<b>PROFESSIONAL APPOINTMENTS AND REPRESENTATIVE POSITIONS:</b>		
	General Medical Council Fitness to Practice, expert advisor	2009 -
	UK-NHS Health Care Commission, Orthopaedic Advisor	2007 - 09
	Hospital Consultants and Specialists Association HCSA:	
	National Council Representative	1998 - 08
	Private Practice committee	2001 - 08
	BMA Private Practice Committee elected representative,	2001 - 3
	BUPA Hospital Bristol, MAC Representative	1994 - 7
<b>UNIVERSITY:</b>		
	University of Manchester.	1975-1980
	Elective: Professor Glick, University of California, San Francisco.	
	Dept. of Orthopaedics and Sports Medicine.	
	University Colours:	Basketball.
	English Universities Captain:	Basketball.
	British Universities:	Basketball.
<b>QUALIFICATIONS:</b>		
	M.D. [Manchester]	Mar 1990
	M.B.. Ch.B.. [Manchester]	July 1980
	F.R.C.S. [England]	Nov 1984
	F.R.C.S.[ORTH] Ed.	Nov 1989
	Certificate of Higher Surgical Training.	Mar 1990
	European Society of Knee and Shoulder Surgery Fellowship.	June 1993
	M.R.C.P. Part 1	July 1981
	F.R.C.S. [England]Part 1	Jan 1982
	V.Q.E.	July 1982

ACCREDITATION:	Speciality Examination in Orthopaedic Surgery. FRCS. (ORTH). Ed. Certificate of Higher Surgical Training. Royal College of Surgeons of England. Australian Specialist Registration, Victoria and Queensland	1989 1990 1990
MD THESIS:	Infection and Failed Wound Healing Following Knee Arthroplasty. University of Manchester M.D.	1990
TEXT BOOKS:	Controversies in Orthopaedics: Knee Surgery Eds: D P Johnson. R J Williams MD. Hospital for Special Surgery NY. Oxford University Press.	Sept 2004
PATENTS:	A New Inset Patella Prosthesis for Total Knee Replacement. Anterior Cruciate Ligament Fixation and Tensioning Device.	
THESIS SUPERVISED	Mr. O. Basso. Patellar Tendonitis. Imperial College Department of Bioengineering Imperial College London	2001
FELLOWSHIPS:	Smith and Nephew Travelling Fellowship Award. Alfred and Austin Hospitals. Melbourne, Australia. North Sydney Institute of Sports Medicine, Sydney, Australia. Sports Med. South Australia. Adelaide, Australia The Shoulder Clinic, Paramatta, Sydney.	1990
	European Society for Knee Surgery, Sports Traumatology and Arthroscopy - American Orthopaedic Association for Sports Medicine Travelling Fellowship Award. Visiting 10 major centres for knee surgery in the USA	1993
AWARDS:	Whipps Cross Advanced Surgical Course Prize. Muckerjee Prize. British Orthopaedic Association. Robert Jones Prize and Gold Medal. British Orthopaedic Association. Theo Van-Reins Prize. European Society of Knee Surgery and Sports Traumatology. American Orthopaedic Society of Sports Medicine - Honorary Member. Who's Who in the Medical World. Marquis. New Jersey. Who's Who in the Science and Engineering World. Marquis. Dictionary of International Biography. 26th Edition. International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine accredited "Trainer". BMA Medical Book Competition 2005: Surgery Category – Highly Commended BMA International Text Book Competition "Controversies in Soft Tissue Knee Surgery" 2005	1984 1989 1990 1992 1993 1998 - 2001 1998 1988 1997
SCHOLARSHIPS and RESEARCH GRANTS (as principle investigator):	Glaxo Medical Research Scholarship. (£ 25,000) Pharmacokinetics of antibiotic prophylaxis in knee surgery Ethicon Foundation Travelling Research Scholarship. (£25,000) Choice of incisions and wound healing following knee surgery Biomet Research Scholarship. (£87,000) CPM and mobilisation following knee surgery Medical Research Council New Investigator Grant (£30,000) General funding of lecturer's research Nuffield Foundation Research Grant. (£25,000) Infection following knee surgery Dickenson Trust Scholarship. (£12,000), (25,000) New techniques in knee surgery Smith and Nephew Foundation Scholarship. (£50,000) Infection and failed wound healing following knee surgery BWAHA District Research Grant. (£10,000) An MRI investigation into the Os Trigonum Radiometer Research Grant. (£45,000) Oxygenation of the wound edges following knee surgery	1986-87 1987 1986-87 1988 1988-89 1987, 1989 1989-90 1988. 1987

Smith and Nephew Scientific Research Grant (£60,000) Arthroscopic	2004
Mitek Scientific travelling scholarship (£3,500) Investigation of reabsorption of polylactic acid fixation devices	2005

OTHER FUNDING (as principle investigator):

European Society for Sports Injuries and Knee Surgery Travelling scholarship (various)	2003
Visiting Consultant to Fiji Smith and Nephew; Australia (various)	2000
Visiting professor to Riyadh Military Hospital Department of Orthopaedics, Riyadh, Saudi Arabia, April Smith and Nephew (£7,500)	2007
Visiting professor to Sosnowiec Hospital, Krakow, Poland. Professor Gazdzik. Smith and Nephew (£5,000)	2005
American –European exchange of Knee Surgery Fellows: AOSSM - ESSKA travelling fellowship Aircast Foundation (£10,000)	1994
Funding for the thesis of Mr. O Basso at Imperial College department of Bio- engineering. Bristol Orthopaedic Clinic (£35,000)	2004
Funding for the Advanced techniques in Knee replacement course with Dr John Insall as the invited speaker (12,500)	1989.

MEMBERSHIP:

American Orthopaedic Society of Sports Medicine.	Honorary member.
European Society of Knee Surgery Sports Traumatology and Arthroscopy.	(Faculty member 1998).
International Cartilage Repair Society	
The A.C.L. Study Group.	
European Society of Arthroscopy, Knee Orthopaedic Society.	
British Association for Surgery of the Knee.	
British Orthopaedic Research Society.	
British Association of Sports Medicine.	
British Orthopaedic Sports Traumatology Association.	
British Orthopaedic Association.	
The Magellan Society.	
The Patello - Femoral study group. Applied for:	
UK Meniscal Study Group.	

EDUCATION:

Parrs Wood School, Didsbury, Manchester.	1970 - 5
First Team Captain:	Rugby, Basketball, Cricket, Football.
Lancashire U19 Cap:	Rugby, Basketball.
England Junior Cap:	Basketball.

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**My current research interests include the following:**

**Patellar Tendonitis:**

I have a long-term research interest into the condition of patellar tendonitis. I started researching into the subject in 1990. He first published a study on the MRI appearances, the anatomy and morphology of patients with this condition. This paper was entitled "Radiographic and Magnetic Resonance Imaging Analysis of the Morphology of Patellar Tendonitis". This was published in The Knee, Volume 2 (1), 1995, 61-62. Further research was published the following year "Magnetic Resonance Imaging of Patellar Tendonitis" which was published in The Journal of Bone and Joint Surgery (British), 78/b, May 1996, 452-7.

Subsequently in association with his clinical Fellow, Mr Oreste Basso, a visiting surgeon from Italy, a paper on the anatomy of the patellar tendon was published "The Anatomy of the Patellar Tendon" in a Springer Verlag on line publication in October 2000 and subsequently in Knee Surgery, Sports Traumatology and Arthroscopy, Volume 9, 1, January 2001, 2-5. Subsequently again with Mr Oreste Basso and Professor Andrew Amis of The Imperial College, London, a series of biomechanical studies were undertaken on the micro structure and biomechanics of the patella and the patellar tendon and the influence on patellar tendon and the patellar tendonitis and the surgery for this condition.

Published papers included "Patellar Tendon Fibre Strain: The Differential Responses to Quadriceps Tension" published in Clinical Orthopaedics and Related Research, (400), 246-53, 2002 July. Subsequent papers have been submitted including "Arthroscopic Treatment of Patellar Tendonitis: A New Treatment" and "The Patella Apex Impingement Pressure on the Patellar Tendon In Vitro and its Relation to Pathological Lesions of Patellar Tendonitis".

As a result of the extensive research into the condition I designed a new arthroscopic, keyhole or minimally invasive procedure for the treatment of this condition. The procedure included decompression of the inferior pole "impingement" by a technique utilising key-hole surgery or arthroscopy. I first undertook this new procedure of decompression of the inferior pole of the patella in 1990. Subsequently I and others have published and presented this new technique around the world and it has been adopted in many leading centres worldwide as the technique of choice in treating patellar tendonitis. I have lectured around the world on this subject.

Further development of this project is proposed to include:

- a) The epidemiological analysis in a population at risk, of the anatomical aspects of this condition in relation to patella-tendon flexion angle, innate flexibility and physical exercise.
- b) A histological assessment of the collagen changes within the tendon occurring in this condition.
- c) An assessment of the non-operative treatment of this condition in the community incorporating patient education, flexibility training and physiotherapy. In order to undertake this it is proposed to utilise my association with the Football association.

**The use of Bioabsorbable screw fixation in Anterior Cruciate Ligament Surgery.**

The results of ACL reconstruction have been analysed over a five year period and a sequence of studies into the success and long term tissue compatibility of poly-glyconates in this situation has been analysed. New developments include the recent development of fourth generation poly-l-lactic acid screws which incorporate poly-l-lactic acid granules and calcium phosphate coatings in an effort to produce dissolution channels and peripheral buffer to alleviate the problems of internal dissolution. My own clinical and histological assessment is awaiting correlation and subsequent publication. It is proposed that the further funding of this project would be sought from contacts within the industry and the further development of this project would include:

- a) The clinical assessment of the long term results from use of these screws in a single surgeon cohort. Investigation for cavitation, internal dissolution and detection of any reaction to the acidic cleavage radicles.
- b) Clinical, biomechanical and biochemical assessment of the fourth generation PLA/PGA/CaPO<sub>4</sub> screws and the mechanism of dissolution

**Osteochondral and Osteocyte Transplantation**

The new techniques of Osteochondral and osteocyte transplantation have been analysed over a period of six years. I have presented my results of the clinical outcome around the world. New techniques in MRI analysis of

articular cartilage lesions have been developed, used clinically and recently reported. This work continues and is planned to be developed in association with basic scientists and rheumatologists into various areas:

- a) Use of imaging techniques to identify and categorise the articular cartilage defects and document changes following reconstruction.
- b) Investigate the use of histological markers for categorising cartilage defects and their progress.
- c) Investigate the use of biotechnology to enhance incorporation of osseous and articular cartilage transplants.
- d) Investigate the use of bone composites in the reconstruction of articular cartilage defects.

#### **Imaging of articular cartilage defects.**

In association with the department of Radiology at the Bristol Royal Infirmary, new MRI imaging sequences are used for the evaluation of partial thickness defects of the articular cartilage in the knee. Recent research abroad has included biochemical mapping of these defects by MRI.

#### **The effects of patellar realignment on anterior knee pain and isolated patello-femoral arthritis.**

The increasingly troublesome problem of isolated lateral facet osteoarthritis of the patello-femoral joint is becoming increasingly recognised. A project has been in progress for some time analysing the clinical and functional results of realignment at an early stage and the long term effects on the progression of the arthritis. This is planned to be developed into:

- a) A epidemiological study of the prevalence and effect of this condition and the relationship to patello-femoral congenital malalignment.
- b) A study of the biochemical markers in chondromalacia and patello-femoral malalignment and the effect of non-operative and operative treatment on these markers.
- c) A biomechanical study of the effect of sequential soft tissue realignment of the patello-femoral joint, and the effects of tibial tuberosity transfer.
- d) A clinical study of the effectiveness of patello-femoral realignment in patello-femoral subluxation and malalignment, and patello-femoral arthritis.

#### **Meniscal repair.**

This study has involved a five year assessment of the clinical role of meniscal repair and lately the further analysis of bioabsorbable implants. The first part of the study is awaiting analysis, whilst the second is currently in progress. New developments and products are continually produced for meniscal repair. Further projects are proposed:

- a) To develop a mechanism of standard testing of the clinical and biomechanical strength of these devices in association with the department of bioengineering.
- b) To continuing to assess the clinical effectiveness and success with the succession of devices release onto the market.

#### **Dyslexia and its relation to Spatial-cognitive awareness in MIS surgery**

Perhaps my most interesting and significant project has been under development for some years and is at a very rudimentary stage. However it is increasingly applicable to the current thrust of medical education, training and continual assessment for competence, and it is especially relevant for the accreditation and continual assessment for minimally invasive surgery. This is a project which excites me more than any other. I describe the project in outline without detail on the understanding that the idea will remain confidential and will not be used for other purposes.

Minimally invasive surgery will potentially account for 75% of surgical procedures undertaken in the not too distant future. The spatial cognitive skills required for remote two dimensional navigation of an internal cavity are theoretically innate and constitutional. They relate to similar visualisation skills in conventional navigation and visualisation. It is recognised that these skills are commonly found in engineering, architects and fighter pilots. They are commonly particularly apparent in dyslexics where the spatial cognitive skills far exceed the verbal and language sequencing skills. This is a definition of dyslexia. It is recognised that dyslexics are commonly found in these professions.

I undertook an analysis which has only been presented internally to the ACL study group. This was an analysis of the group members spatial cognitive skills and dyslexic traits. This demonstrated that in that highly successful population of MIS surgeons, some 50% showed dyslexic traits as measured objectively and that the younger surgeons regularly undertaking MIS surgery had a much higher level of these skills and traits than the older surgeons.

The potential of this finding is I believe enormous and demands further investigation. It would be suitable for a major research grant to progress this idea in respects of:

- a) Analysis of medical school entrants and spatial cognitive skills, their performance in relation to MCQ / Essay and subject strengths. The relationship of this to success in surgical training and MIS. A similar analysis of rejected medical school candidates for aptitude in this respect.

- b) An analysis of the character and personality of medical school entrants and dyslexic personality traits and the relationship of this to career choice and current GMC parameters including team working and communication skills.
- c) A comparative analysis of the spatial cognitive skills, communication skills and character traits of a surgical consultant population and those dedicated to MIS as compared with medical and non practical aspects of medicine.
- d) Historically the assessment of surgical skill has proved problematical. However utilisation of spatial cognitive awareness rather than manual dexterity may well be more reliable. One of the existing methods of assessment of spatial cognitive awareness and manual skill will be used to develop a verifiable program of assessment of spatial cognitive awareness and MIS surgical skills.
- e) Development of this assessment program into a verifiable tool of accreditation, appraisal and reassessment for MIS manual dexterity in surgery.

#### **Use of Oxinium technology in Total Knee Replacement**

Recently a new material of oxidised alloy of zirconium with a ceramic surface has been developed for Knee Replacement. This is potentially a significant advance in terms of the bio-mechanical properties and reduction in wear and allergy problems in joint arthroplasty. Work is in progress to assess the clinical effectiveness and advantages of the use of this material. This is currently funded by industry with research grants for personnel. Further development requiring substantive funding is proposed along the following lines:

- a) Biomechanical development of an osteoconductive surface for uncemented use. This requires a multidisciplinary approach incorporating materials and manufacturing science, bio-engineering and subsequent veterinary experimentation.
- b) Histological, biochemical and use of biomechanical markers to follow the clinical use of this material.
- c) The clinical assessment of this material in terms of function, rehabilitation, wear and markers of inflammation and allergy over time.

#### **Infection prophylaxis in orthopaedics.**

Having completed my thesis on the prevention and treatment of prosthetic infection in Joint Arthroplasty, the conclusions prompted several changes to clinical practice which were implemented around the world. However it is hoped that with further support from Glaxo Pharmaceuticals a major research project will be undertaken analysing the basic science of the role of local tissue oxygen metabolism, local biochemistry, the "biofilm" and mediators of orthopaedic infection. This would be directed towards a new type of chemical infection prophylaxis and treatment measures. The outline would include:

- a) Utilisation of a biofilm culture on a prosthetic surface and an analysis of the effects of changing the physical surface characteristics and chemical parameters. This would include an assessment of biofilm integrity and cell adhesiveness by electron microscopy.
- b) Analysis of the use of chemical prophylaxis and treatment upon the biofilm culture.
- c) Analysing the effect on the biofilm cell culture by the additional effect on enhanced host cellular activity. This would include varying the physical environment parameters and utilising measures in association with basic scientists to enhance the activity and effectiveness of the macrophage cell culture.

#### **My best research work would include:**

##### **DP Johnson. Acta. Orthop. Scan. Supplement. April 1993: Vol 64; 252.**

My MD thesis: Infection and Failed Wound Healing Following Knee Arthroplasty. University of Manchester M.D. 1990. This was exceptionally published in full as a supplement to the Acta Orthopaedics Scandinavica in 1993: Infection and Wound Healing Following knee Arthroplasty. DP Johnson. Acta. Orthop. Scan. Supplement. April 1993: Vol 64; 252. The final section and the conclusion was I think the most important and this was only published in the thesis itself. This showed that the primary determinant of all the different factors affecting postoperative healing and infection is the maintenance and restoration of tissue oxygenation in the wound was only published in the thesis. I have been told through that this did change surgical techniques around the world.

##### **Antibiotic Prophylaxis With Cefuroxime In Knee Arthroplasty. DP Johnson. Journal Of Bone and Joint Surgery [Br]. 1987: Vol 69 : 787-9.**

Another paper which altered surgical techniques forever was my paper which first demonstrated that the tourniquet had an important effect on the timing of antibiotic prophylaxis administration.

##### **Symptomatic Synovial Plicae of the Knee: Fact or Fiction. DP Johnson, DM Eastwood, PJ Witherow. Bone Joint Surg. (Am); Oct 1993: 75-A; 1485-96.**

The paper I had most fun writing was one with a rhetorical title: Symptomatic Synovial Plicae of the Knee: Fact or Fiction. DP Johnson, DM Eastwood, PJ Witherow. Bone Joint Surg. (Am); Oct 1993: 75-A; 1485-96. This

stepped into a minefield of anterior knee pain and it's treatment in the commercial environment. Synovial Plica was [perhaps the most controversial area of modern arthroscopic surgery. This paper demonstrated in an NHS setting that in a properly controlled prospective study that in a properly selected adolescent patient group the vast majority of patients with this aetiology of anterior knee pain was curable by simple arthroscopic surgery. It was so controversial that the American journal took more than a year reviewing and analysing the data before publication. Again it altered surgical techniques around the world.

**Microsurgical Expertise, Visuo-spatial skills and Dyslexia: Are They Related? SJ Pickering, SE Gathercole, DP Johnson. Fourth International Conference of British Dyslexia Association. York. April 1997**

This super successful group of perhaps the top earning medical practitioners in the world proved as I suspected to be disproportionately dyslexic particularly so since the introduction of arthroscopic surgery as a principle part of a knee surgeons work. This questions what skills, psychometric and personality profiles are best suited for orthopaedic surgeons and questions whether the current entry assessment of entry are appropriate.

## **CLINICAL EXPERIENCE**

Bristol Royal Infirmary: Surgical trainee. 1983-5

Oxford Orthopaedics and Trauma Orthopaedic Trainee: John Radcliff Hospital. Nuffield Orthopaedic Centre. 1985 -6

Orthopaedic Research Fellow. University Department of Orthopaedics, Bristol 1986-7

Lecturer and Orthopaedic Trainee University of Bristol and Bristol Royal Infirmary. 1987-91

Orthopaedic Fellowship and Attending Consultant Orthopaedic Surgeon 1990-1

University of Melbourne, Austin Hospital. Melbourne.

Monash University. Victoria State Major Trauma Unit, Alfred Hospital, Melbourne.

North Sydney Institute of Sports Injuries

## **CONSULTANT ORTHOPAEDIC SURGEON.**

The Droitwich Knee Clinic. Droitwich. Worcestershire. 1992-4

The Glen Hospital. Durdham Down. Bristol. 1992-

Elected Orthopaedic Medical Representative 1992-6.

The Bristol Nuffield Hospital. Bristol. 1992 –

Musgrove Park and Taunton NHS Trust 2009

Oxford Radcliff Hospitals NHS Trust & The Horton NHS ISTC & 2009-

## **EUROPEAN SOCIETY FOR SPORTS TRAUMATOLOGY KNEE AND SHOULDER SURGERY AND ARTHROSCOPY - AMERICAN ORTHOPAEDIC SOCIETY FOR SPORTS MEDICINE TRAVELLING FELLOWSHIP AWARD. 1993**

Hospital For Special Surgery, New York. Dr. R. Warren MD, Dr. S. O'Brian MD.

Cleveland Clinic, Ohio. Dr. J. Bergfeld MD, Dr. J. Andrish MD, Dr. R. Parker MD.

University of Pittsburgh, Pennsylvania. Prof. F. Fu, Dr. C. Harner MD.

Duke University, N. Carolina. Dr. J. Faegin MD, Prof. F. Bassett MD, Dr. W. Garrett.

Hughston Orthopaedic Clinic, Columbus Georgia. Dr. J. Hughston, Dr. C. Baker.

American Sports Medicine Institute, Birmingham, Alabama. Dr. J. Andrews MD,

Dr. W. Clancy MD, Dr. L. Lemak MD.

The Orthopaedic Speciality Hosp., Salt Lake City. Dr. L. Paulos, Dr. T. Rosenberg,

Dr. R. Burks.

The American Orthopaedic Society of Sports Medicine Meeting, Sun Valley Idaho.

Kerland-Jobe Orthopaedic Clinic, Los Angeles. Dr. F. Jobe MD, Dr. C. Shields MD.

## **PATENTS**

The Johnson Patella. New design of patella for total condylar knee arthroplasty to improve function and reduce the incidence of complications and failure.

Ligament Fixation and Tensioning Device. device for improved initial fixation and incremental tensioning for the autogenous patellar tendon graft in anterior cruciate reconstruction.

## **BOOKS**

Commissioned by the Oxford University Press Dec 2003

Controversies in Soft Tissue Surgery of the Knee.

Co-Editors DP Johnson, Riley Williams. Prof of Orthopaedics. Hospital for Special Surg. New York.

Awards: BMA Medical Text Book Competition 1995: "Highly Commended" International Section.  
Reviewed Acta Orthop Scan 2005; 76 (5): 730. Dr R Heijboer "For the knee surgeon this work can be considered as a reference...to the treatment of ligament problems".

Infection and Wound Healing Following knee Arthroplasty.  
DP Johnson. Acta. Orthop. Scan. Supplement. April 1993: Vol 64; 252.

#### **CHAPTERS IN BOOKS:**

Pathological Synovial Plica of the Knee: Fact or Fiction. DP Johnson, DM Eastwood, PJ Witherow. Surgery and Arthroscopy of the Knee. Springer-Verlag, Heidelberg, 1992.

Continuous Passive Motion Following Knee Arthroplasty. DP Johnson. Surgery and Arthroscopy of the Knee. Springer-Verlag, Heidelberg, 1992.

Transcutaneous Skin Oxygen Tension Analysis Of The Viability Of Incisions For Knee Arthroplasty.  
DP Johnson. Surgery and Arthroscopy of the Knee. Eds: Muller W and Hackenbruch W.  
Springer-Verlag, Heidelberg, 1988. 657-60.

Patellar Subluxation Following Kinematic Knee Arthroplasty: Is The Universal Instrument System Universal? DP Johnson. Surgery and Arthroscopy of the Knee. Eds: Muller W and Hackenbruch W.  
Springer-Verlag, Heidelberg, 1988. 76-7.

Continuous Passive Motion Following Knee Arthroplasty. DP Johnson. Recent Advances in Prosthetic Surgery. Ed: R Coombs. Butterworths 1989.

Antibiotic Absorption Under Tourniquet. DP Johnson, GC Bannister, J Auchincloss, J Newman.  
Surgery and Arthroscopy of the Knee. Eds: Muller W and Hackenbruch W. Springer-Verlag, Heidelberg, 1988. 630-1.

Infection prophylaxis In Surgery. P Johnson. Infectious Diseases Update. Excerpta Medica Asia. Hong Kong 1988.

The Outcome Of Infected Arthroplasty Of The Knee. P Johnson, GC Bannister. Surgery and Arthroscopy of the Knee. Eds: Trickey E. and Hertel P. pringer-Verlag, Heidelberg, 1986. 358-60.

#### **REVIEW ARTICLES BY INVITATION.**

Knee Injuries in the Primary Care Setting  
The Practitioner 2006 ; Vol. 250: In press

Knee Surgery: Current Practice.  
D.P. Johnson. New England Journal of Medicine. July 29: 1993.

Biomechanical Factors Affecting Wound Healing Following Knee Arthroplasty.  
D.P. Johnson, D. Bader, D.M. Eastwood. J. Medical Engineering and Technology. 1991: 15; 8-14.

#### **PUBLICATIONS**

An Analysis of the Psychometric and Spatial Cognitive Skills in an Elite Group of Arthroscopic Orthopaedic Surgeons compared to General Practitioners and Medical Students. JSJ Johnson, DP Johnson In preparation July 2015

Arthroscopic Treatment of Patellar Tendonitis: A New Treatment. DP Johnson, Arthroscopy in preparation March 2015

Shoulder Pain. Barnes J, Dunkley A, Johnson DP. The Practitioner 2009 Vol 253 Feb

Diagnosis and Management of Knee Injuries David Johnson. The Practitioner 2006; Vol 250 Nov; 4-16.

MRI Analysis of Osteochondral Transplantation with Donor Site Reconstruction – a new Surgical Technique.  
S. Bernard, C. Wakeley, D. Johnson. Submitted The Knee March 2005

Is impingement on the patellar tendon a mechanical factor in patellar tendonitis?  
O. Basso, AA Amis, DP Johnson. Clin. Orth. Rel. Res. March 2004.

Reconstruction of the lateral patellar retinaculum following lateral release.  
DP Johnson and C Wakeley. Knee Surgery, Sports traumatology and Arthroscopy (2002) 10:361-363

Patellar tendon Fibre Strain: their differential responses to quadriceps tension.  
O. Basso, AA Amis, A Race, DP. Johnson. Clin. Orthop. Rel. Res.. (400); 246-53 2002 Jul.

The Outcome of Intra-articular Debris, Following Arthroscopic Anterior Cruciate Ligament Reconstruction. O. Basso, DP Johnson, F Jewell and C Wakeley. Knee Journal Vol 8; 3: Oct. 2001: 235-7

The Anatomy of the Patellar Tendon. O Basso, DP Johnson, A Amis.  
Knee Surgery, Sports Traumatology, Arthroscopy Vol. 9, No 1: Jan 2001. pg 2-5.

The Anatomy of the Patellar Tendon. O Basso, DP Johnson, A Amis. Springer Verlag on Line Publication. Oct 2000.

Costs of League Soccer Injuries. DP Johnson. Br. J. Sports Medicine 1998; 32: 332.



- Magnetic Resonance Imaging of Patellar Tendonitis. DP Johnson, CJ Wakeley, I Watt. *J. Bone Joint Surg. (Br)*; 78-B: May 1996. 452-7.
- Combined High Tibial Osteotomy and Extra-articular Tenodesis for the Cruciate Deficient Degenerative Knee. DP Johnson. *The Knee*. Vol 3. July 1996. 9-14.
- Heterotopic Ossification of the Peri-patellar Pannus Following Knee Arthroplasty. DP Johnson. *The Knee*. Vol 3. July 1996. 45-8.
- MRI Findings in Suspected Achilles Tendonitis. SJ Freeman, CJ Wakeley, I Watt, D Johnson. *Skeletal Radiology* Vol 25(2); 1996; 133-136.
- The Value of MR Imaging in the Diagnosis of the Os Trigonum Syndrome. CJ Wakeley, DP Johnson, I Watt. *Skeletal Radiology* 1996; 25: 133-6.
- Radiographic and Magnetic Resonance Imaging Analysis of the Morphology of Patellar Tendonitis. PR Johnson, I Watt, C Wakeley. *The Knee* Vol 2(1); 1995: 61-61.
- Displaced Femoral Neck Stress Fracture in a Marathon Runner. P. Kerr, D.P. Johnson. *Injury*. Vol 26; 7: 1995; 491-3.
- Patellar Subluxation With The Kinematic Prosthesis: Are The Universal Instruments Universal. DP Johnson, DM Eastwood. *J. Arthroplasty* 1994.
- Symptomatic Synovial Plicae of the Knee: Fact or Fiction. DP Johnson, DM Eastwood, PJ Witherow. *Bone Joint Surg. (Am)*; Oct 1993: 75-A; 1485-96.
- Infection after Knee Arthroplasty Clinical Studies of Skin Hypoxia and Wound Healing. DP Johnson. (Thesis). *Acta Orthop Scand. Supplement*. April 1993: Vol 64; 252; 1-48.
- Lateral Patellar Release in Knee Arthroplasty: Its Effect on Wound Healing. DP Johnson D.M. Eastwood. *Arthroplasty. Supplement* 1992: Vol 7; 427-31.
- Patellar Complications After Knee Arthroplasty. DP Johnson, DM Eastwood. *Acta Orthop Scand*. 1992; 63:1: 74-9.
- Beneficial Effects of Continuous Passive Motion Following Total Condylar Knee Arthroplasty. DP Johnson. D.M. Eastwood. *Ann Royal Coll. of Surgeons of England*: 1992; 74: 412-416.
- Percutaneous Release of the Trigger Finger: an office procedure. DM Eastwood, DP Johnson. *J. Hand Surg.* Jan. 1992; 17:1: 114-7.
- Biomechanical Factors Affecting Wound Healing Following Knee Arthroplasty. DP Johnson, D. Bader, D.M. Eastwood. *Medical Engineering and Technology*. 1991: 15; 8-14.
- The Effect of Continuous Passive Motion On Wound Healing and Joint Mobility After Knee Arthroplasty. DP Johnson. *Journal of Bone and Joint Surgery [Am]* 1990; 72A: 421-6.
- Antibiotic Prophylaxis in Sequential Bilateral Knee Arthroplasty: DP Johnson and S.T. Donell. *Journal of Bone and Joint Surgery [Br]*. 1988: Vol 70: 666-7.
- Midline or Parapatellar Incision For Knee Arthroplasty: A Comparative Study Of Wound Viability. DP Johnson. *Journal of Bone and Joint Surgery [Br]*. 1988: Vol 70: 656-8.
- The Timing Of Tourniquet Application In Relation To Prophylactic Antibiotic Administration. GC. Bannister, J. Auchincloss, D.P. Johnson and J.H. Newman. *Journal of Bone and Joint Surgery [Br]*. 1988: Vol 70: 322-4.
- Fracture-Dislocation Of The Ankle With Rupture of the Deltoid Ligament . DP Johnson and J. Hill. *Injury* 1988: Vol 19: 59-61.
- Antibiotic Prophylaxis With Cefuroxime In Knee Arthroplasty. DP Johnson. *Journal Of Bone and Joint Surgery [Br]*. 1987: Vol 69 : 787-9.
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- Arthroscopic Surgery for Patellar Tendonitis: A One to Four Year Follow up study. D.P. Johnson  
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#### POSTER PRESENTATIONS

- Microsurgical Expertise, Visuo-spatial skills and Dyslexia: Are They Related? SJ Pickering, SE Gathercole, DP Johnson. Fourth International Conference of British Dyslexia Association. York. April 1997
- Differential strain in the anterior and posterior fascicles of the patellar tendon: a causative factor in patellar tendonitis? O. Basso, A.A. Amis , D.P. Johnson. E SSKA Rome May 2002
- Microsurgical Expertise, Visuo-spatial skills and Dyslexia: Are They Related? SJ Pickering, SE Gathercole, DP Johnson. Fourth International Conference of British Dyslexia Association. York. April 1997
- Patellar Tendon Anatomy. O. Basso DP Johnson A Amis. Br. Orthop. Research Soc. Oct. 1996.
- The Beneficial Effects of CPM Following Total Knee Arthroplasty. DP Johnson, DM Eastwood. International Society of the Knee. Toronto. May 1992.
- The Effect of Lateral Release on Patello-femoral Stability and Wound Viability in Knee Arthroplasty. DP Johnson, DM Eastwood. The 9th Combined Orthopaedic Associations Meeting. Toronto. Canada. July 1992.
- Percutaneous Surgery for Trigger Finger. DM Eastwood, DP Johnson. The 9th Combined Orthopaedic Associations Meeting. Toronto. Canada. July 1992.
- Patellar Complications Following Total Knee Arthroplasty. DP. Johnson, DM Eastwood. The 9th Combined Orthopaedic Associations Meeting. Toronto. Canada. July 1992.
- A New Surgical Procedure For The Treatment of The Cruciate Deficient degenerative Knee. DP. Johnson, M. Mansfield. The 9th Combined Orthopaedic Associations Meeting. Toronto. Canada. July 1992.
- The Effect of Gentamycin Containing Acrylic Cement on Infection following Knee Arthroplasty. DP Johnson, BA. Coughlan, T. Wood. The 9th Combined Orthopaedic Associations Meeting. Toronto. Canada. July 1992.
- Synovial Plica of the Knee: Fact or Fiction. DP Johnson, DM Eastwood, PJ Witherow. The International Society of the Knee. Toronto, Canada. May 1991.
- Patellar Subluxation Following Kinematic Knee Arthroplasty. DP. Johnson. The Sixth Meeting of the European Society of Biomechanics. Bristol. Sept 1988.
- Patellar Subluxation Following Kinematic Knee Arthroplasty. DP Johnson, DM Eastwood, PJ Witherow. The Third European Congress of Knee Surgery And Arthroscopy. Amsterdam. May 1988.
- The Effect of Lateral Release on Patello-femoral Stability and Wound Viability in Knee Arthroplasty. DP. Johnson. The Third European Congress of Knee Surgery And Arthroscopy. Amsterdam. Holland. May 1988

#### FACULTY LECTURES BY INVITATION.

Surgical demonstrations, Grand Rounds and daily lectures as Visiting professor Riyadh Military Hospital Department of Orthopaedics, Riyadh, Saudi Arabia, April 2007

The Principles of Total Knee Replacement.  
Minimally Invasive Total Knee Replacement..  
Garmish, Germany, March 2007

Patellar resurfacing and complications.  
Minimally Invasive TKA.  
Lustrum Congress, Dutch Orthopaedic Trainee Association, Noordwijk. Oct 2007

Advances in Knee Surgery: Minimally Invasive Surgery Instructional Course: lecturer, Instructor and surgical demonstrator.	
University of Munster, Germany.	Feb 2006
Combined German Orthopaedic Forum, Munster, Germany	March 2006
University of Barcelona. Spain	April 2006
University of Barcelona. Spain	Feb 2005
University of Utrecht, Netherlands,	May 2005
University of Munster, Germany.	Nov 2005
Live Surgical Demonstration and Visiting professor:	
University Hospital, Sosnowiec, Krakow, Poland. Professor Gazdzik..	Oct 2005
Controversies in Knee Surgery Locking Castle Medical Centre, WSM Bristol.	March 2005
An Update on Knee Injuries. Football Association Regional Medical Association, Bristol	March 2005
The National Football Association Medical Conference. The Football Association. Harrogate.	May 2004
New Technology in Total Knee Replacement Progressive Concepts Course. UZ Leuven, Belgium	Nov 2003
Is there a Place for Surgery in Patellar Tendonitis? Controversies in Knee Surgery. London.	June 2003
University of Zurich. W Muller Anniversary 3 <sup>rd</sup> International Instructional Course in Knee Surgery Basle. Switzerland.	Jan. 2003
The 6 <sup>th</sup> Wexam Park Cruciate Ligament Meeting, Wexam Park, Berkshire, UK	Nov 2002
European Society of Sports Injury Arthroscopy and Knee Surgery. Rome Patellar Tendonitis, Anatomical Study and MRI investigation.	Apr 2002
Patellar Tendonitis Investigation, Operative and Non-operative Management. Patello-femoral Complications after Total Knee Replacement Sports Medicine Symposium. Arcus SportKlinik. Pforzheim. Germany.	Nov. 2000
The Use of Bio-absorbable Screws in ACL Reconstruction. The Fifth Wexam Park Cruciate Meeting. Slough.	Nov. 2000
Patellar Tendonitis Operative Management. Surgical Techniques in Revision ACL Reconstruction. Nottingham International Knee Congress. Nottingham.	Oct. 2000
Surgical Approaches to the Knee. DP Johnson WE Muller N Freiderick European Society of Sports Injury, Arthroscopy and Knee Surgery. London	Oct. 2000
Arthroscopic Surgery for Patellar Tendonitis. The Belgium Orthopaedic Association Annual Meeting. Brussels.	Mar. 1999.
Bio-absorbable Screws in ACL Reconstruction. The Fourth Wexam Park Cruciate Meeting. Slough.	Nov. 1998
Synovial Plica, Patellar tendonitis and Anterior Knee Pain. Crewe Weekend Teaching Programme. Oswestry.	Sept. 1998
Sports Medicine and Knee Surgery in the year 2000. Sports Medicine in the year 2000. Patterswolde International Symposium. University of Gronigen. Netherlands.	April 1998
ACL reconstruction with Bioabsorbable Screw Fixation. Third East Berkshire Anterior Cruciate Ligament Symposium.	Nov. 1998
Anterior Cruciate Reconstruction Using Patellar Tendon Advanced Arthroscopic Techniques. Bristol.	June. 1998
Anatomy of the Patellar Tendon and Harvesting of the Bone Patellar tendon Bone Graft. The Nottingham Knee Symposium	Oct. 1997
ACL Ligament Reconstruction in the Over Forties. The Nottingham Knee Symposium	Oct. 1997
Anterior Knee Pain. Regional Specialist Trainee Orthopaedic Instructional Course. Sheffield.	Dec 1996
Arthroscopic Surgery for Patellar Tendonitis. A.C.L. Reconstruction in the Over 40 years Age Group. Third East Berkshire Anterior Cruciate Ligament Symposium. The Nottingham Knee Symposium	Nov. 1996 Oct. 1997
Tricks and Pitfalls of Arthroscopic Anterior Cruciate Ligament Reconstruction. Discoid and Difficult Menisectomy. Advanced Arthroscopy Instructional Course. Royal National Orthopaedic Hosp.	Nov. 1996
The use of Bioabsorbable Screws for A.C.L. Reconstruction. Patellar Tendonitis: Anatomy, Pathogenesis, Investigation and Treatment. 2nd Basel International Knee Surgery Congress. Switzerland. Third East Berkshire Anterior Cruciate Ligament Symposium. The Nottingham Knee Symposium	Sept. 1996 Nov. 1996 Oct. 1997

Anterior Knee Pain.		
RCSEd and the Football Association International Meeting. Lilleshall.		July 1996
SW Regional FA Medical Society. Bristol City.		Oct 1996
Postgraduate Orthopaedic Training Course. University of Sheffield		Dec 1996
Injuries of the Knee. Diagnosis and Management.		
British Association of Sports Medicine. Lilleshall.	Nov. 1995	July 1995. July 1996
Patellar Tendonitis: Anatomy, Biomechanics, Histology and Surgical Treatment.		
British Orthopaedic Sports Trauma Association. Royal College of Surgeons.		April 1996
Difficult Menisectomy and Discoid Meniscus Resection.		
Basic MATU Arthroscopy Instructional Course. Royal National Orthopaedic Hosp.		Jan. 1996
Surgical complications of Arthroscopic Anterior Cruciate Ligament Reconstruction.		
Advanced MATU Arthroscopy Instructional Course. Royal National Orthopaedic Hosp.		Jan. 1996
Patello-femoral Complications in Knee Arthroplasty.		
First Satellite Symposium. Tutlingham. Germany.		Nov. 1995.
Instrumentation for Arthroscopy.		
Tricks and Pitfalls in Arthroscopy.		Nov 1996
Basic MATU Arthroscopy Instructional Course. Royal Coll. of Surg.		Nov. 1995
The Degenerate Unstable Knee. ESSKA symposium at the EFORT meeting Munich.		July 1995.
Disorders of the Patello-femoral Joint.		
Management of Sports Injuries Royal College of Surgeons London.		April 1995.
Pitfalls in the Technique of Arthroscopic Anterior Cruciate Ligament Reconstruction.		
Arthroscopic Anterior Cruciate Ligament Replacement Course. Nottingham.		Oct. 1994.
Rehabilitation following arthroscopic ACL reconstruction.		
Arthroscopic Anterior Cruciate Ligament Replacement Course. Nottingham.		Oct. 1994.
The Management of Knee Injuries.		
BASM Advanced Instructional Course, Lilleshall. Nov. 1994. July 1995. Nov. 1995.		
The Anterior Cruciate Ligament Instructional ACL Course. Nottingham.		Sept. 1994.
The Post-op Stiff Knee. The Nottingham International Knee Symposium. Nottingham.		Sept. 1994.
Radiological and MRI Analysis of the Morphology of Patellar Tendonitis.		
AOSSM - ESSKA Fellowship Meeting. Stanmore. London		May 1994.
The 1993 ESSKA - AOSSM Sports Medicine Travelling Fellowship.		
AOSSM - ESSKA Fellowship Meeting. Stanmore. London		May 1994.
The Ideal Travelling Fellow.		
European Society for Knee Surgery and Arthroscopy. ESSKA Congress. Berlin.		June 1994.
Anterior Knee Pain.		
Royal Society of Medicine - British Orthopaedic Sports Trauma Association, London		1994.
BASM Advanced Injury Course. Wroughton		1994.
Assessment of the Shoulder.		
BASM Intermediate Course. Lilleshall Hall. National Sports Injury Centre.		Nov 1993.
Investigation and Infiltration of the Upper Limb.		
BASM Advanced Instructional Course. Wroughton		1993, 1994.
Synovial Plicae Fact or Fiction.		
Hospital For Special Surgery, New York.		
Cleveland Clinic, Ohio.		
University of Pittsburgh, Pennsylvania.		
Duke University, Durham, N. Carolina.		
Hughston Orthopaedic Clinic, Columbus Georgia.		
American Sports Medicine Institute, Birmingham, Alabama.		July 1993
The Biomechanics of Wound Healing Following Knee Arthroplasty.		
The Orthopaedic Speciality Hosp., Salt Lake City.		
Kerland-Jobe Orthopaedic Clinic, Los Angeles.		July 1993
The Role of MRI in the Assessment of Sports Injuries.		
The Kerland Clinic.		July 1993
Arthroscopic Debridement for Early Arthritis.		
The Nottingham International Knee Symposium. Nottingham		Nov. 1993.
The Prevention and Rehabilitation of Knee Injuries. Sports Council. Taunton		1993.
Knee Injury: The Multi-disciplinary Approach. Sports Council. Taunton		1993.

The Knee: Injury Arthritis and Rehabilitation. The Postgraduate Society. Bristol	1993.
The Unstable Degenerative Knee. The Nottingham International Knee Symposium. Nottingham	1992.
Advances In Joint Replacement. Post-Graduate program of Bristol Area General Practitioners. Bristol	1992.
Knee Injuries. South Bristol Medical Society. Bristol	1992.
New Techniques In Arthroscopy. Robert Jones and Agnes Hunt Orthopaedic Hospital. Oswestry	1991.
The Unstable Degenerative Knee. Sports Related Injuries. Royal Postgraduate Medical School. London	1991.
Anterior Knee Pain In Athletes. Management of Sports Injuries. The Hunterian Institute. Royal College of Surgeons.	1991.
Anterior Knee Pain In Athletes. South West Society of Chartered Physiotherapists. Cheltenham	1991.
Automobile Associated Knee Injuries. Motor Accident Solicitors Society. Nottingham	1991.
Arthroscopy of the Shoulder. Second Advanced Course on Arthroscopic Surgery. Droitwich Knee Clinic. Worcester.	1991.
Soft Tissue Injury of the Neck. The Third International Conference on Sports Injuries. Lilleshall Hall. Shropshire	1991.
Sports Medicine in Australia. The Third International Conference on Sports Injuries. Lilleshall Hall. Shropshire	1991.
The Diagnosis and Management of Knee Injuries. University of Fiji. Suva, Fiji	1990.
Continuous Passive Motion In Knee Arthroplasty. The Nottingham Knee Symposium.	1989
Patellar Complications and Reconstruction Following Knee Arthroplasty. The Nottingham Knee Symposium. Nottingham	1989.
The role of CPM in Knee Replacement. Univ Oslo. Norway	1988.
The role of CPM in Knee Replacement. Univ Gottenberg. Sweden	1988.
Infection following Knee replacement. Infection In Orthopaedics. Bristol	1988.
The Growth Plate: Anatomy, Physiology and Injury Patterns. The Nottingham Fracture Forum. Nottingham	1988.
Continuous Passive Motion Following Knee Arthroplasty. Recent Advances in the Surgery of Arthritis. London	1988.
The Use of CPM in Knee Replacement. Controversies in the Surgery of Arthritis. Bristol	1988.
Specialised techniques in knee replacement. Chulalongkorn University. Bangkok	1987.
Current Management of Polytrauma. Universiti Kebangsaan Malaysia. Kuala Lumpur	1987.
Antibiotic Prophylaxis in Surgery, Orthopaedics and the Knee. The Malaysian Society of Infectious Diseases and Chemotherapy. Kuala Lumpur	1987.
The Use of CPM in Knee Arthroplasty. The role of CPM in the Preservation of Joint Function. First National Symposium, London	1987.

#### **LEARNED SOCIETY FACULTY and MEETING CHAIRMAN**

Combined German Orthopaedic Forum, Munster, Germany , March 2006

European Society of Sports Injury, Arthroscopy and Knee Surgery. Rome, April 2002

European Society of Sports Injury, Arthroscopy and Knee Surgery. London , Oct. 2000

World Congress On Orthopaedic Sports Trauma. Western Pacific orthopaedic Association. Asia pacific Orthopaedic Society. Brisbane. Australia. April 2000

European Federation of Orthopaedics and Traumatology. ESSKA. Speciality Session. Munich. July. 1995.

European Society of Knee Surgery and Arthroscopy. Berlin. April. 1994.

#### **PRESENTATIONS TO LEARNED SOCIETIES. (not listed elsewhere)**

Minimally Invasive Techniques for Knee Arthroplasty. Combined German Orthopaedic Forum, Munster, Germany	March 2006
15 <sup>th</sup> Annual International Course on Sports Injuries Royal College of Surgeons of Edinburgh and the Football Association. Daventry,	July 2004
Current Concepts in Knee Arthroplasty Course Pellenberg, Belgium.	Nov 2003
International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine. Auckland, NZ.	March 2003.
University of Zurich. W Muller Anniversary 3 <sup>rd</sup> International Instructional Course in Knee Surgery Basle. Switzerland.	Jan. 2003
The 6 <sup>th</sup> Wexam Park Cruciate Ligament Meeting, Wexam Park, Berkshire, UK	Nov 2002
British Orthopaedic Association. Cardiff.	Sept 2002
Am Orthopaedic Society for Sports Medicine, Orlando, USA	July 2002
European Society for Knee Surgery, Arthroscopy and Sports Medicine. Rome	April 2002
The ACL Study Group, Montana, USA,	March 2002
Sports Medicine Symposium. Arcus SportKlinik. Pforzheim. Germany.	Nov. 2000
The Fifth Wexam Park Cruciate Meeting. Slough.	Nov. 2000
European Society of Sports Injury, Arthroscopy and Knee Surgery. London	Oct. 2000
Nottingham International Knee Congress. Nottingham.	Oct. 2000
World Congress On Orthopaedic Sports Trauma. Brisbane. Australia.	April 2000
The Magellan Society. Brisbane. Australia.	April 2000
The Belgium Orthopaedic Association Annual Meeting. Brussels.	Mar. 1999.
The Fourth Wexam Park Cruciate Meeting. Slough.	Nov. 1998
Crewe Weekend Teaching Programme. Oswestry.	Sept. 1998
The British Association of Knee Surgery. Bristol.	Mar. 1999
The Patello - femoral Study Group. Lyon. France.	Oct. 1998
British Orthopaedic Sports Trauma Association. Harrogate.	Mar. 1997
The British Association of Knee Surgery. Harrogate.	Mar. 1997
British orthopaedic Research Society. Brighton. Mr. O. Basso	Sept 1996
Am. Orth. Soc. Sports Med. Orlando.	June 1996
ESSKA congress. Budapest.	May 1996
A.C.L. Study Group. Nevis.	May 1996
British Orthopaedic Association. Llandudno.	April 1996
British Orthopaedic Sports Trauma Association. Royal College of Surgeons.	April 1996
European Federation of National Ass of Orthop & Trauma. Barcelona	March 1996
European Federation of National Ass of Orthop & Trauma. Munich	July 1995
The Magellan Society. Stockholm, Sweden.	June 1995
The British Association of Knee Surgery. Manchester.	Nov. 1994.
The South West Orthopaedic Association. Bristol.	Oct. 1994.
The Nottingham International Knee Symposium. Nottingham.	Sept. 1994.
The European Society of knee Surgery and Arthroscopy. Berlin.	April. 1994.
The British Orthopaedic Sports Trauma Association. London.	April. 1994.
The AOSSM - ESSKA Travelling Fellows. London.	April 1994.
The Nottingham International Knee Symposium. Nottingham.	Sept. 1993.
The International Arthroscopy Association. Copenhagen. Denmark.	June 1993.
Prevention and Rehabilitation of Injury. Sports Council. Taunton.	March 1993.
The South West General Practitioners Association. Bristol.	Feb. 1993.
The Postgraduate Society. Bristol.	Sept. 1992.
The 9th Combined Orthopaedic Associations Meeting. Toronto. Canada.	July 1992.
The South West Orthopaedic Club. Bath. UK.	May 1992.
The First World Congress of Sports Trauma. Palma de Mallorca. Spain.	May 1992.
American Academy of Orthopaedic Surgeons. Washington DC. USA.	Feb. 1992.
British Association Of Knee Surgery. British Orthopaedic Association. Cambridge.	Sept. 1991.
Sports Related Injuries. Royal Postgraduate Medical School. London.	July 1991.
The Second Advanced Course in Practical Arthroscopy. The Droitwich Knee Clinic.	June 1991.
British Society of Children's Orthopaedic Surgery. Newcastle.	June 1991.
The Third International Conference on Sports Injury. International Sports Medicine Centre. Lilleshall Hall. Shropshire.	June 1991.
The International Society of the Knee. Toronto, Canada.	May 1991.
The International Arthroscopy Association. Toronto, Canada.	May 1991.
The Australian Knee Surgery Association. Sanctuary Cove, Australia.	Sept. 1990.
The Fijian Postgraduate Surgery Association. Suva, Fiji.	Aug. 1990.
The International Nottingham Knee Symposium. Nottingham.	Sept. 1989.
The British Orthopaedic Association and the Italian Orthopaedic Association Meeting. London.	Sept. 1989.
Combined British Orthopaedic Association and the Hellenic orthopaedic Association Meeting. Rhodes. Greece.	May 1989.
British Association for Surgery to the Knee. London.	Feb. 1989.
British Association for Surgery to the Knee. Oxford.	Sept. 1988.
The Sixth Meeting of the European Society of Biomechanics. Bristol.	Sept. 1988.
Controversies in the Surgery of Arthritis. Bristol.	June 1988.
The Nottingham Fracture Forum. Nottingham.	June 1988.
The Third European Congress of Knee Surgery And Arthroscopy. Amsterdam. Holland.	May 1988.
The South West Orthopaedic Club. Truro.	Apr. 1988.
Chulalongkorn University. Bangkok, Thailand.	Nov. 1987.
Universiti Kebangsaan Malaysia. Kuala Lumpur, Malaysia.	Nov. 1987.
The Malaysian Society of Infectious Diseases and Chemotherapy. Kuala Lumpur, Malaysia.	Nov. 1987.
The Inaugural Congress Knee Section Western Pacific Orthopaedic Association. Penang, Malaysia.	Nov. 1987
The 7th Congress of the ASEAN Orthopaedic Association. Penang, Malaysia.	Nov. 1987.
The Role Of Continuous Passive Motion In The Preservation Of	

Joint Function. First National Symposium. Royal National Orthopaedic Hosp, Stanmore.	Nov. 1987.
British Orthopaedic Research Society. London.	Sept. 1987.
A.B.C. Travelling Fellows. Bristol.	May 1987.
British Orthopaedic Research Society. Durham.	Apr. 1987.
Musculo-Skeletal Research Society. University of Bristol. Bristol.	Feb. 1987.
Royal Society Of Medicine. London.	Feb. 1987.
The Second European Congress of Knee Surgery And Arthroscopy. Basle, Switzerland.	Nov. 1986.
The British Orthopaedic Association. Llandudno.	Apr. 1985.
The Rheumatoid Arthritis Surgical Society. Bristol.	Dec. 1984.
The South West Orthopaedic Club. Plymouth.	May 1984.
The First European Congress Of Knee Surgery And Arthroscopy. Berlin, Germany.	Apr. 1984.
Gastroenterology Meeting. University of California, San Francisco.	Sept. 1979.

#### **INSTRUCTIONAL COURSES ATTENDED** (not listed elsewhere)

ACL Study Group, Jackson Hole Feb 2012, Phuket Thailand Feb 2010, Rhodes May 2000, Beaver Creek 2006, New Orleans 2004, , Ishgyl,	
Controversies in Hip Replacement, Bristol, Nov 2008,2009, 2010	Nov 2011
Novocart Articular Cartilage Reconstruction Course RCS Eng Austria.,	June 2011 March 1994.
AOSSM annual Congress. Orlando. USA July 2002, July 2009, Sun Valley Idaho.	July 1993
New techniques in Knee Surgery 2005/6 Barcelona, Munster and Utrecht.	
Controversies in Hip Replacement Nov 04, 05, 06, 07, 08, Nov 2009 Bristol UK.	
British Orthopaedic Association., Sept. 1998, 2001, 02, 03, 04, 05, 06, 07,08, 09	
International Knee Arthroplasty Course, Bruges, Belgium	June 2004
Current Concepts in Knee Arthroplasty Course, Pellenberg, Belgium.	Nov 2003
3rd International Instructional Course. Basel. Switzerland ,	Feb 2003
Debates about Hip Replacement, Bristol.	Nov 2002
Ligament Balancing in Total Knee Replacement. The Orthopaedic Centre. St Louis Missouri. USA. Nov 2001	
Knee Arthroplasty Update. Geneva. Switzerland,	May 2001
International Society of Arthroscopy, Knee Surgery, Orthopaedic Sports Medicine. ISAKOS. Montreau, Switzerland.	May 2001
Controversies in Knee Surgery. London.	Sept 2001
European Society of Sports Medicine, Knee Surgery and Arthroscopy.London.	Sept. 2000
The Fouth Wexam Park Cruciate Meeting	Nov 2000
British Association of the knee, 98, 2001, 02, 03, 04, 05, 06, 07,08, 09	
Osteotomies around the Knee. Bristol.	Mar. 1998
American Academy of Orthopaedics. New Orleans, Mar. 1998. San Francisco.	Mar. 1997
Alpine Medical Ski Club. Blue River, British Colombia.	Mar. 1997
Sports Medicine 2000. Stockholm.	June. 1995.
American Orthopaedic Society for Sports Medicine, Sun Valley Idaho.	July 1993
Controversies in Knee Surgery. Royal Society of Medicine.	May 1993.
Orthopaedics and Sport. Harrogate.	March 1993.
The European Society of Knee Surgery, Arthroscopy and Sports. Palma.	May 1992.
The International Knee Society, International Arthroscopy Ass. Toronto.	Feb. 1992.
The American Academy of Orthopaedic Surgeons. Washington. USA.	March 1992.
The International Nottingham Knee Symposium. Nottingham.	Sept. 1991.
Update on Joint Replacement. Sydney.	Sept. 1990.
The Bone Cement Interface. Guildford.	May 1989.
The International Nottingham Knee Symposium. Nottingham.	Sept. 1989.
Surgery of the Young Hip. Bristol.	June 1989.
Recent Advances in Joint Arthroplasty. London.	Sept. 1988.
The Nottingham Fracture Forum. Nottingham.	June 1988.
Controversies in the Surgery of Arthritis. Bristol.	June 1988.
Advances in Orthopaedics. Bristol.	Aug. 1986.
Advanced Operative Arthroscopy. E.S.K.A. Basle, Switzerland.	Sept. 1986.
Advanced ASIF/AO Course. Davos, Switzerland.	Dec. 1985.
Micro surgical Anastomosis Workshop. Oxford.	Aug. 1985.
Hoffman External Fixation Course. Bristol.	Nov. 1985.
10th Annual ASIF/AO Course [Basic]. Oswestry.	May 1985.
Whipps Cross Surgical Course. London.	Sept. 1984.
Bone Tumour Course. Bristol.	July 1983.