

# **CURRICULUM VITAE OF MR S D DEO**

## **CONSULTANT TRAUMA & ORTHOPAEDIC SURGEON**

### **GREAT WESTERN HOSPITAL NHS FOUNDATION TRUST, SWINDON**

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**PERSONAL DETAILS:**

Name: Sandeep Dattatray DEO

Date of Birth: 20/01/67, London

Nationality: British

Marital Status: Married to Sarah, 4 children

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GMC Registration CCST 3314797 01/08/90 (Full)  
date 30<sup>th</sup> June 2001

Medical indemnity: ISISIS (Paragon UK)

**CURRENT POST:**

Consultant Orthopaedics & Trauma, Great Western Hospital, Swindon  
CEA Award Level 5, commencing 2005, last award 2012.

**QUALIFICATIONS:**

FRCS (Eng) ad eundem	Jun 2007
FRCS (Tr & Orth)	Nov 1999
FRCS (Ed)	Jun 1993
MB ChB	Jun 1989

**EDUCATION:**

Oxford Region T&O Training Programme	1995 - 2001
University of Birmingham Medical School	1984 - 1989
City of London School	1978 - 1984

**MERITS AND AWARDS:**

Senior author, Best sessional knee poster, EFORT	2014
Senior author, Best oral presentation, SWOC	2014
Senior author, Best poster presentation, BASK	2009
FRCS (Eng) <i>Ad eundem</i> , awarded RCS Eng	2007
Ossur Presentation Prize, Sports Knee Meeting, Warwick	2007
Member of HD "Surgical Team of the Year	2006
Jacques Duparc Award "Top 10 EFORT poster"	2005
Zimmer UBC Research Award	2001
Joseph Trueta Travelling Prize	2000
Zimmer Travelling Fellowship,	2000
Ethicon Foundation Fund Award	2000
Norman Capener Travelling Fellowship,	1994
Mitchell Bursary, Corporation of City of London	1982

**CURRENT POST:**

**21<sup>st</sup> Oct 2001**

**Consultant Orthopaedics & Trauma  
Great Western Hospital NHS Foundation  
Trust, Swindon, UK.**

**HIGHER SURGICAL TRAINING (HST):**

**Jul 1995 – Jun 2001**

Jun 2001 to Oct 2001

**Oxford T&O Training Programme:  
Stoke Mandeville Hospital, Aylesbury  
Including 2 months as Locum Consultant  
Mr NJ Henderson and M E Guindi**

Jul 2000 to Jun 2001

**Vancouver Hospital & Health Sciences Centre  
and the University of British Columbia  
Clinical Fellow, Orthopaedic Trauma  
Dr's PA Blachut, HM Brockhuysse, RN Meek, PJ O'Brien**

Jan 2000 to Jun 2000

**Nuffield Orthopaedic Centre (NOC), Oxford  
Joint Replacement Team  
Professor D Murray**

Jul 1999 to Dec 1999

**John Radcliffe Hospital, Oxford. Trauma Unit  
Mr R Handley, Mr R Keys, Mr M McNally,  
Mr GP Wilde, Mr K Willett, Mr PH Worlock**

Jan 1999 to Jun 1999

**Northampton General Hospital  
Mr EPJ Crawford**

Jul 1998 to Dec 1998

**Nuffield Orthopaedic Centre, Oxford  
Upper Limb Unit  
Mr P Burge, Mr AJ Carr, Mr H Giele**

Jan 1998 to Jun 1998

**Nuffield Orthopaedic Centre, Oxford  
Paediatric Orthopaedics  
Mr MK Benson, Mr TN Theologis**

Jul 1997 to Dec 1997

**Stoke Mandeville Hospital, Aylesbury  
Mr NJ Henderson, Mr D Johnstone, Mr M El-Guindi**

Jan 1997 to Jun 1997

**Nuffield Orthopaedic Centre, Oxford  
Orthopaedic Spine Unit  
Mr JCT Fairbank, Mr J Wilson-Macdonald**

Jul 1996 to Dec 1996

**Nuffield Orthopaedic Centre (NOC), Oxford  
General Orthopaedics and Oncology  
Mr J Spivey**

Jan 1996 to Jul 1996

**John Radcliffe Hospital, Oxford Trauma Unit  
Mr C Bulstrode, Mr P Burge, Mr R Handley,  
Mr GP Wilde, Mr K Willett, Mr PH Worlock**

Jun 1995 - Dec 1995

**Milton Keynes General Hospital  
Mr AS Floyd, Mr RS Gunn, Mr JA Lourie,  
Mr MH Weatherill**

## **POST- FELLOWSHIP SURGICAL POSTS:**

- Feb 1995 - Jul 1995                      **Radcliffe Infirmary, Oxford**  
**SHO Plastic and Reconstructive Surgery**  
Mr DJ Coleman, Mr TEE Goodacre, Mr S Wall
- Mar 1994 - Jan 1995**                      **Groote Schuur Hospital and the University of**  
**Cape Town**  
**Registrar Trauma Unit and Surgery**  
Prof. JD Knottenbelt, Dr's P Bautz, J Van Der Spuy
- Aug 1993 - Feb 1994                      **Nuffield Orthopaedic Centre (NOC), Oxford**  
**SHO Orthopaedic surgery**  
Professor J Kenwright, Mr AHRW Simpson,  
Mr K Willett, Mr PH Worlock

## **BASIC SURGICAL TRAINING AND HOUSE OFFICER POSTS:**

- Feb 1992 - Jul 1993                      **Worcester Royal Infirmary**  
**SHO General Surgery – 1 year**  
Mr SP Lake, Mr HT Williams, Mr CWO Windsor  
**SHO Orthopaedics and Trauma - 6 months**  
Mr AA Salam, Mr JH Eckersley
- Aug 1991 - Jan 1992                      **Radcliffe Infirmary, Oxford**  
**SHO Neurological surgery**  
Mr CBT Adams, Mr M Briggs, Mr RSC Kerr,  
Mr PJ Teddy
- Feb 1991- Jul 1991                      **University of Birmingham Medical School**  
**Prosector in Anatomy**  
Professor J Owens
- Aug 1990 - Jan 1991                      **General Hospital Birmingham**  
**SHO Accident and Emergency**  
Mr ON Tubbs
- Feb 1990 - Jul 1990                      **Dudley Road Hospital, Birmingham**  
**House officer general and thoracic medicine**  
Dr PB Iles
- Aug 1989 - Jan 1990                      **Birmingham Accident Hospital**  
**House officer general and trauma surgery**  
Mr EK Alpar, Mr RF Evans

## **ORTHOPAEDIC SURGICAL EXPERIENCE:**

### **Knee arthroplasty surgery**

My principle elective interest is surgery of the knee. This includes lower limb primary arthroplasty surgery, in particular of the knee. I am implanting contemporary knee prostheses into an ever-widening group patients including those with complex knee deformity, extremes of age and clinical complexity. I undertake a significant proportion of the complex primary, unicompartmental (partial) and revision knee replacements in the department at GWH. I undertake unicompartmental surgery through a minimally invasive approach. I started to use the next phase of the Oxford Uni-uncemented UKR, in 2007, initially as one of only 5 centres in Europe, as part of multi-centre evaluations, now in terms of shape matched blocks. I continue to evaluate computer navigation for complex knee arthroplasty surgery, and lead the way locally in the use of mini-partial Hemicap replacements and the use of a new synthetic ligament system (LARS). We became one of the 1<sup>st</sup> centres to use the Stryker shape matched TKR system in Europe in early 2012. We have reported good medium term results for patellofemoral replacements, which an example of our continuing success with a number of knee related clinical research projects over the past 5 years, much of the independent work is related to observations of clinical complexity, with myself as senior author.

### **Soft tissue knee reconstruction**

My principle elective interest is surgery of the knee This includes the management of soft tissue knee problems, including the use of contemporary methods of meniscal, chondral debridements and repair; knee ligament reconstructions, including multiple knee ligament reconstructions, and opening wedge osteotomy. I undertake a full range of surgery for patellofemoral joint problems, and also problems relating to joint surface loss in younger patients, undertaking microfracture and AMIC (autologous membrane induced chondrogenesis) techniques. I have undertaken ACI (autologous chondrocyte implantation) / M(membrane)ACI procedures in 2005, and continued to as part of the MRC funded ACTIVE multi-centre study, until its cessation; I've continued to use these for individual cases. I have used innovative techniques for complex ligament problems including contemporary synthetic ligament system (LARS and more recently Rotalok). I was in the vanguard of meniscal replacement in the UK, and attended a key cadaveric course in 2009 relating to this. I was recently invited as a founding member of the Biologic Knee Society in 2014.

During my time as a specialist knee surgeon and trainer, I've become increasingly aware of the importance of diagnostic, as well as clinical, complexity in determining outcomes following surgery and other treatment modalities.

During my training experience was gained in assessment and operative management of common and complex problems, both in Oxford, DGH's and Vancouver.

### **Musculoskeletal trauma surgery**

I am continuing to take an active interest in acute trauma and trauma reconstruction, particularly with peri-articular fractures and sequelae, with the use of more contemporary modes of fixation such as LISS, percutaneous and locking plate fixations and osteotomies. I have also undertaken / supervised a significant piece of research with regard to stratification of hip fracture patients. I was one of 2 lead clinicians involved in the trauma tendering process, and was appointed Trust Trauma Lead in late 2011, as part of the move towards Regional Trauma Networks in April 2012.

This is having gained a wide experience in the management of complex trauma problems such as periarticular, open, pelvic, acetabular and spinal fractures, particularly in Vancouver, Cape Town and Oxford. This includes both acute and reconstructive trauma, with the use of more contemporary modes of fixation, particularly in Vancouver. We've had continuing success with a number of orthopaedic trauma related clinical research projects over the past 5 years, much of it independent work and with myself as senior author.

## **ORTHOPAEDIC SURGICAL EXPERIENCE: (continued):**

### **Hip arthroplasty surgery**

Experience of “standard” primary cemented knee and hip replacements was gained particularly working for Professor Murray, Mr Crawford, and Mr Spivey. I have experience of uncemented, hybrid, hip resurfacings and hip arthroscopy, towards the end of training and early consultant years. Revision experience included impaction grafting, uncemented revision prostheses, periprosthetic fracture management, and complex knee revisions. I currently continue to undertake primary THR surgery for trauma.

### **Spine surgery**

My current remit within the unit is to support to the principle spinal consultants in terms of out-patient urgent referrals and cases, such as spinal/epidural infections, acute disc prolapses and spinal trauma evaluations.

Experience was gained particularly working at the NOC, Stoke Mandeville Hospital (SMH) and neurosurgery, in a wide range of spinal conditions and operations.

### **Upper limb surgery**

I have continued a limited practice seeing common upper limb problems only. Experience was gained mainly at the NOC in the management of a wide range of shoulder and elbow problems and with procedures such as arthroscopy, arthroscopic debridement, cuff and tendon repair, stabilisations and arthroplasty. Proximal upper limb trauma and reconstruction experience was gained Vancouver and Oxford.

### **Hand surgery**

Principally while working on the Upper Limb, Plastic and Trauma Units, I gained experience in the management of common hand injuries and conditions. I also gained experience of more complex problems and reconstructions.

### **Paediatric orthopaedic surgery**

Experience of the management of paediatric orthopaedic conditions was gained particularly working at the NOC, as well as DGH posts and John Radcliffe. Paediatric upper limb and spine experience was gained in relevant attachments

### **Musculoskeletal tumour surgery**

Some experience of assessment and management of bone and soft tissues was gained working for Mr Spivey in Oxford, as well as at the spine and hand units.

### **Visceral trauma surgery**

Experience was gained particularly in South Africa, in the management of major head, neck, chest and abdominal injuries, which were frequently multiple and penetrating. Management included resuscitation, including leading resuscitations, intensive care and surgery.

### **Plastic and reconstructive surgery**

Experience was gained in the management of soft tissue and bony abnormalities / deficit due a wide range of pathologies, including hand, craniofacial local- and free- flap surgery.

### **Intensive care**

I became familiar with intubating, ventilating, invasive monitoring and managing critically ill intensive care patients in Cape Town. I managed high dependency patients in Vancouver, Neuro ITU and Worcester.

### **General and thoracic surgery**

Experience was gained in Worcester of principles of general and urological surgery. I gained experience of trauma thoracotomy and laparotomy in Cape Town.

### **Neurosurgery**

Experience was gained in a wide range of cranial and spinal surgical problems. I was taught procedures such as laminectomy, burr holes, craniotomy and shunt insertions.

### **Overseas Experience**

I have sought and been privileged to work, study and observe differences and similarities in Orthopaedic & Trauma care and health care services in general, in New Delhi as a student, in Cape Town as a registrar, Vancouver as a fellow and most recently as teaching faculty in Malawi. My time abroad also allowed me to visit other hospitals and doctors in those regions.

## **TEACHING, EDUCATION & MENTORING EXPERIENCE:**

- As a consultant I've been an educational and clinical supervisor to a number of foundation, core and specialist trainees, trust doctors and physicians' assistants over the past 14 years, and continue to do so. This includes use training, teaching mentoring of trainees in all aspects of clinical orthopaedic practice and use of the Foundation e-Portfolio and ISCP web based assessments. My feedback, both formal and informal, relating to this has almost always been excellent or good.
- As an invited faculty member on a number of international meetings and having worked abroad, I've had the opportunity to train and teach in a number of countries.
- I am the prime contributor to the department's in-house training and teaching resource, available to all trainees and doctors, which I set up in 2007.
- I am a member of the Trust's Consultant Mentoring Group for new consultants.
- As clinical lead since 2013, I've also partaken in the appraisal process for many of my consultant and senior staff grade colleagues.
- I continue to teach doctors, nurses, physiotherapists, physicians' associates, osteopaths and medical students. This includes orthopaedic and medical principles, basic surgical operative training and advanced surgical principles & skills. This includes sessions at the Regional Teaching Programme.
- I've been continuing to train physiotherapy, nurses, physicians' associates and radiographers for extended roles in knee and fracture clinics.
- I was an AO/ASIF and ATLS instructor which I have recently recertified in ATLS in 2014. I have been instructing since 2000. I am on / have attended as faculty on a number of other courses and meetings over the past year as noted on page 9, such as the Oxford Unicompartmental, Hip Fracture etc.
- I contribute to the Foundation & Generic Trust Teaching programmes.
- I contribute to the Oxford Regional Training Programme in the Knee section.
- I continue to be invited to speak to various groups about orthopaedic and trauma related topics, for example in the last 2 years I've spoken to a motorcycle club, school 6<sup>th</sup> formers, podiatrists, physiotherapists, osteopaths, GP's as well as orthopaedic surgeons at various forums, all with excellent, positive feedback. Lecture title as detailed in the appropriate section.
- I had principle responsibility for organising the Orthopaedic SHO teaching, SHO induction, competency assessments and appraisals since August 2002 up to 2012, and continue to participate in formal teaching sessions.
- I have participated in ARCP assessments and regional trainee selection programmes over the years, and aim to represent Severn in the national selection processes, to which I've been invited, in the near future.
- As the department's lead for research and audit I've supervised a large number of my trainees and trust docs to successfully complete projects to the level of national / international presentations and publications over the past 12 years, particularly the past 5. I'm continuing to do this.
- I was the Royal College Tutor for all surgical SHO's including Orthopaedic SHO training, from 2004 to 2012. This included liason with the English Royal College, Severn, Oxford and Wessex training programmes, and included the transition of core training in surgery from Wessex and Oxford to Severn, and maintaining high levels of trainee satisfaction during this time period. I continue as clinical supervisor to at least one SHO grade doctor and 1 specialist trainee.
- I have lectured to Oxford Brookes Osteopaths and McTimoney Chiropractors.
- I was a tutor to medical students in Orthopaedics in Oxford and Vancouver and continue to successfully teach medical students in the department and supervise student projects.
- As a UBC faculty member in Vancouver I taught undergraduates and residents in a PBL environment, which I still use in my teaching and training sessions currently.

## **MANAGERIAL/ADMINISTRATIVE**

Clinical Lead for Trauma & Orthopaedics, part of Planned Care Division*	2013-
Steering Committee Chairman for ACHE (Arthroplasty Candidacy Help Engine)	
Study Group (NIHR, HTA Study)*	2014-
GWH Outreach Parenteral Antibiotic Team (OPAT) representative	2013-14
Trauma Lead Clinician for GWH Trauma Unit, for 2 Trauma Networks*	2011-
Member of Trust's Consultant Mentoring Group*	2010-
Member of the Trust Influencing Group	2009-
GWH Medical Education Committee Steering Group	2009-
MDT Trauma Emergency Care Group	2008-
MDT Resuscitation / Trauma Team Group*	2008
Chairman and founder of Swindon Orthopaedic Limited*	2007
MDT Working group on enhanced recovery / reducing length of stay*	2007-
GWH Trauma Tender Group*	2007-
Severn deanery MTAS shortlist/interview panel	2007-
1 of 2 surgical representatives for GWH Trust CNST appraisal	2005
Tutor for Wessex Region T&O Finishing School	2005
Organised Oxford Region SAC T&O & Wessex BSEC visits	2004-5
Clinical Lead Surgery, GWH Emergency Services Network	2004-8
GWH Hip and Knee Tender Group*	2004
GWH Foundation Programme Steering Group / PGMEC	2004-10
Clinical Lead Surgery, GWH Emergency Services Collaborative	2003-4
Organiser of RCS Presidential visit to GWH	2004
GWH NOF# care improvement MDT group*	2003-7
SHO Surgical Tutor for the RCS England*	2003-
Responsible for evaluating the EWTD on Orthopaedic Dept	2003-4
Responsible for Orthopaedic study ½ days and SHO inductions*	2003-
Responsible for Orthopaedic SHO weekly rota (	2003-4
Educational Supervisor & T&O SHO teaching and appraisals*	2002-
PMH / GWH Transfusion Committee. Surgical representative*.	2001-
University of Birmingham Ten Year Reunion Committee	1999
Hip Replacement Care Pathway Committee Member, NOC	1998
Student representative on the Faculty Board of Medical School	1986-87
Editor of the Medical School Paper & Graduands Yearbook	1986-87
Chairman of the Medical Society Entertainment Committee	1986-87



## **COURSES, AS FACULTY**

Proven Performance in Knee Replacement, Swindon	2014
Oxford Cadaveric Uni Knee Replacement, Bristol	2013 & '15
Hip fractures: techniques and solutions, Selzach	2013 & '15
New developments in Oxford Uni Knee Replacement, Oxford	2012
Hip fractures: techniques and solutions, Oxford	2012
Swindon Basic Knee Arthroplasty Course	2011
Key Questions in Knee Surgery, Oxford	2011
Bristol / Oxford Unicompartmental Arthritis Meeting	2010
LARS Experts Forum, Oxford	2009
Oxford / Bristol Partial Knee Replacement Meeting, Oxford	2009 -
Biomet Partial Knee Replacement Masterclass, Wootton U Edge	2009
Biomet Arthroscopic ACL Meeting, Maidstone	2008
Current concepts in trauma management (OTC), Nice	2008*
Osteosynthesis Trauma Care (OTC) Meeting, Chamonix	2007
Comprehensive Team Approach, Hip & Knee Meeting, Orlando	2006
Oxford Unicompartmental Knee Replacement Courses*	2005-*
Cheltenham Basic Knee Arthroplasty Courses*	2005-*
Cheltenham Basic Knee Arthroscopy Courses*	2005-*
ATLS Instructor Course Faculty. RCS Oxford*	2004 -*
MRCs Pastest Course, Swindon*	2004 - *
Oxford FRCS (Orth) Course*	2004 -*
Wessex Regional Teaching Programme*	Apr 2004*
SE Thames Teaching Programme*	Jan 2004*
ATLS Reverification course, Oxford	2003 - 5
AO / ASIF Courses, Leeds*	2003 - *
ATLS provider courses, Oxford*	2002 - *
ATLS Instructor Course Faculty. RCS London	Mar 2002
Bristol FRCS Orth Courses*	2000 - *
ATLS Courses, Vancouver HHSC / UBC	2000/2001
University of British Columbia, Orthopaedic Division OITE	Dec 2000
British Association of Hand Therapists, Oxford	Oct 1998

\* represents continuing and future commitments

## **COURSES AS PARTICIPANT**

ATLS Provider Course, Oxford	Nov 2014
Biologic Knee Society Meeting (Inaugural, invitation only), Reading	Oct 2014
Appraisal Training for Appraisers, Swindon	Jun 2014
Technology in Healthcare Meeting, Swindon	May 2014
Attune (TKR) Early Adopters Meeting, Miami	Nov 2012
Revalidation Training For Current Appraisers, Swindon	Nov 2012
New Solutions in Knee Joint Resurface & Recon (Cadaveric), Coventry	Sep 2012
Meniscal Repair Cadaveric Study Day (Linvatec), Oxford	Jun 2012
Knee Soft Tissue Reconstruction (Arthrex) Study Day, Munich	May 2012
Mentoring Study Day, Swindon	Feb 2012
Paediatric Immediate Life Support Course, Swindon	Nov 2011
Educational Supervisor Study Day, Swindon	Jul 2011
Meniscal Replacement Cadaveric Course, Heidelberg	Sep 2009
Clinical Investigation and Root Cause Analysis, Swindon	Jun 2009
ARCP Update, Study Day, Bristol	May 2009
Good Clinical Practice in Research, Swindon	Apr 2009
Orthopaedic Sports Injuries, London	Nov 2008
Clinical Outcomes and Research, London	Oct 2008
ARCP Training Session, Bristol	Jul 2008
MMC / ST doctors Selection Training Day, Bristol	Dec 2006
ACL Study Day, Basingstoke	Oct 2006
ISCP Study Day, Salisbury	Sep 2006
25 <sup>th</sup> Advances in Knee Arthroplasty Course, London	Jun 2006
Rapid recovery in joint arthroplasty, Meeting, Rome	Oct 2004
Emergency Services Collaborative National Workshop	Apr 2004
ACI study day and visit to RNOH (Verigen), London	Mar 2004
Introduction to Problem Based Learning, Vancouver	Oct 2001
Management Training for Specialist Registrars, Oxford	Jun 2000
ATLS Instructors Course, RCS Eng, London	May 2000
FRCS (Orth) Course, Bristol	Oct 1999
Basic Ilizarov Course, Oxford	Jun 1999
Advanced Trauma Life Support Provider Course (IP)	Mar 1999
Exeter Hip Course, Exeter	Sep 1998
Medical Teachers' Training Course, Oxford	Jul 1998
AO Basic Course, Davos	Dec 1996
British Hand Society, Hand Course. Oxford	Mar 1995
Advanced Trauma Life Support Provider Course	Aug 1993
Advanced Cardiac Life Support Provider Course (IP)	Aug 1993
Edinburgh Fellowship Course, RCS Edin	May 1993
Northwick Park Anastomosis Course, London	Oct 1992

## RESEARCH OVERVIEW

My research to date has all been undertaken whilst working full time and thus far unfunded in the NHS. I have created an extensive body of observational clinical research documenting certain key features of what I consider good and/or novel practice, including my observations and conclusions on clinical complexity and contemporary treatment. My clinical complexity work in particular hopefully sheds additional light onto flaws in big pure data collection and conclusions based on deterministic models of healthcare and disease states.

As of the end of 2014, I have undertaken as senior or lead investigator/author 23 peer reviewed publications, 93 national or international presentations, 4 book chapter.

## RESEARCH PUBLICATIONS

### Publications; submitted or due to submit

Jonas S; Rooker J, Palmer AJR, Dimbylow D, Giritharan S, Deo S. - 5-year outcomes of revision of failed uni-compartmental replacements to total. A matched pair cohort study. *Acta Orthopaedica*-2014-787 - (8147)

Quick T, Deo S, Tong A. Medium term follow-up results of bilateral simultaneous medial oxford unicompartmental knee replacement surgery.

Vasireddy A, Navadgi B, Deo S, Satish V & Lowdon I  
Quality control in knee arthroplasty – use of a computer based assessment tool in monitoring post-operative radiological outcome.

### Publications, 2009 – 2014

Sam Jonas S, Owen JW, Mandalia V, Cronin S, Palmer A, Deo S D. Arthroscopic findings following Oxford Unicompartmental Knee Replacement; a series of 22 patients with Unexplained Pain or Stiffness. Accepted in *The Knee*, Oct 2014

Elsorafy K, Macharoub A, Deo S D  
A simple classification of clinical complexity in hip fracture patients which predicts clinical risk and mortality. *Open Journal of Orthopedics*, 2014, 4, 137-143

Newman A, Deo SD. Non Traumatic Compartment Syndrome Secondary to Deep Vein Thrombosis and Anticoagulation. *BMJ Case Reports*, 2014. Doi: 10.1136.

N. Al-Hadithy, R. Patel, B. Navadgi, S. Deo, D. Hollinghurst, V. Satish  
Mid-Term results of the FPV Patellofemoral joint replacement. *The Knee* 2014, 21(1) 138-141

Gill S, Owen JM, Deo SD. Successful Introduction of a Team-Based Surgical Safety Checklist. *Annals of RCS England*, 93(10) 373-376 Nov 2011

Erturan G, Davies N, Deo S D. Bilateral simultaneous upper limb compartment syndromes associated with fractures. *Journal of Emergency Medicine*, Jun 2011

Ramiah RD, Dimbylow D, Deo SD. Further issues with independent treatment centres  
Electronic letter published: *eJBJS Br.* 22 Jan 2010.

Al-Arabi Y, Prada SV, Deo S. Risk classification for primary knee arthroplasty. *J Arthroplasty*, Jan 2009 24(1) 90-95.

## RESEARCH PUBLICATIONS (continued)

## **PUBLICATIONS 2002- 2007**

Melton JT, Jain SS, Kendrick B, Deo SD. Helicopter Emergency Ambulance Service (HEAS) transfer: an analysis of trauma patient case-mix, injury severity and outcome. *Ann R Coll Surg England*. 2007 Jul 89(5); 513-6

Pandit H, Murray DW, Dodd CAF, Deo S, Waite J, Goodfellow J, Gibbons CLMH. Medial tibial plateau fracture and the Oxford unicompartmental knee. *Orthopaedics*. 2007 May; 30(5 Suppl): 28-31.

R. Madhu, R. Kotnis, A. Al-Mousawi, N. Barlow, S. Deo, P. Worlock, K. Willett. Outcome of surgery for reconstruction of fractures of the acetabulum: the time dependent effect of delay. *J Bone Joint Surg Br*, Sep 2006; 88-B: 1197 - 1203.

Kendrick B, Von Arx O, Deo S D. Diastasis of the medial and middle cuneiforms. A rare variant of Lisfranc ligament injury. *Foot and Ankle* 11 167-9, 2005.

Deo S D, Fairbank J C T, Richards P, Pike M, Athanasou N, Wheeler K. Aneurysmal bone cyst as a rare cause of cord compression in a child. *Spine*, 30(3), 80-2. 2005

Konyves a, Murray J, Deo S. Post-varicella septic arthritis of the elbow. A rare causative organism. Accepted in *Journal of Paediatric Orthopaedics (British)* in Feb 2003.

Pratt R K, Fairbank J, Virr A. Reliability of the Shuttle Walking Test in the assessment of patients with spinal stenosis. Published *Spine*, 2002. (initial work and presentation undertaken by me).

## **PUBLICATIONS Pre-2001**

Deo S D, Tavares S, Pandey R K, El-Saeid G, Willet K M, Worlock P H. Operative management of acetabular fractures in Oxford. *Injury*. 32(7): 581-86, 2001

Halstead J, Deo S, Carr A. Impaction bone grafting for revision of a humeral component: successful clinical and radiological outcome. *J Shoulder and Elbow Surg*. 9(5): 449-51, 2000.

Deo S D, Knottenbelt J D, Peden M M. Evaluation of a small trauma team for major resuscitation. *Injury*. 28 (9-10): 633-638, 1997.

Deo S D, Knottenbelt J D. Acute involuntary defaecation; a useful sign in the acute trauma patient. *Injury*. 27 (2): 93-95, 1996.

Deo S D, Knottenbelt J D. The management of penetrating injuries to the anterior triangle of the neck. [letter] *Injury*. 26 (6): 427-428, 1995.

Deo S D, Gibbons C I M L, Simpson A H R W, Emerton M E. Total hip replacement in renal transplant patients. *Journal of Bone and Joint Surgery (B)*. 77 (2) 299-302 Mar 1995

Deo S D, Knottenbelt J D, The use of midazolam in trauma resuscitation. *European Journal of Emergency Medicine*. 1(3): 111-114, 1994.

Deo S D, Salam A A. A rare cause of septic arthritis of the knee. *Orthopaedic Rheumatology*. 6: 115-116, 1994

## **RESEARCH PRESENTATIONS**

## **National & International Presentations 2014**

Salma Chaudhury S, Williams D, Jhaj J, Deo S. What Really Happens During The Golden Hour And Beyond To Trauma Patients Managed In District General Hospitals In The United Kingdom? [poster]. EFORT (15<sup>th</sup> Meeting of the European Federation of Orthopaedic & Trauma Societies) London Jun 2014

Argyropoulos M et al. Knee Arthroplasty With A Medial Rotating Total Knee Replacement. A Comparison Clinical Outcome Study With 5 Year Follow-Up, [poster]. EFORT (15<sup>th</sup> Meeting of the European Federation of Orthopaedic & Trauma Societies) London Jun 2014

Deo S, Lowdon IMR. Seasonal Variation In Hip Fracture Mortality Rates In The Elderly, Analysis Over A Nine Year Period, Case Of Need And Methodology For Further Analysis. [poster]. EFORT (15<sup>th</sup> Meeting of the European Federation of Orthopaedic & Trauma Societies) London Jun 2014

Jonas S et al. Five Year Functional Outcomes Of Total Knee Replacement For Failed Unicompartamental Replacement; A Matched Pair Cohort Comparative Study With A Primary Total Knee Replacement Patient Control Group [poster]. EFORT (15<sup>th</sup> Meeting of the European Federation of Orthopaedic & Trauma Societies) London Jun 2014

Shah R, Jonas SC, Deo S. Medium Term Morbidity And Mortality Following Total Knee Replacement Surgery In Patients With Complex Arthritis Patterns And Comorbidities. A Matched-Pair Cohort Analysis. [poster]. EFORT (15<sup>th</sup> Meeting of the European Federation of Orthopaedic & Trauma Societies) London Jun 2014

Agryopoulos M, Al-Hadithy N, Jonas S, Mitra A, Deo S. Evaluation Of A Scoring System For Post Operative Radiographs Following Medial Unicompartamental Knee Replacements For Quality Control. [poster]. EFORT London Jun 2014

Jonas S et al. Five Year Cost/Benefit Analysis Of Revision Of Failed Unicompartamental Knee Replacements; Not “Just” A Primary Total Knee Replacement. [podium]. EFORT London Jun 2014

M Agryopoulos, N Al-Hadithy, SC Jonas, R Ramiah, S D Deo, V Satish. Comparing Early Learning Curves By Implantation Quality of a Medial Rotating Knee Compared To A Conventional Cruciate Retaining Implant Using A Radiographic Scoring System [ePoster 0228]. British Association of Surgery of the Knee BASK Meeting, Norwich. Apr 2014

Mitra A, Collins S, Deo S. UKR to UKR Revision: Is It Blasphemy? [ePoster]. British Association of Surgery of the Knee BASK Meeting, Norwich. Apr 2014

Apperley S, Gupta D, Deo S  
Physician Associate (PA) Post-Qualification Education and Training Pathway, GWHFT, Swindon, UK. International Association of Physicians Associates, Jun 2014 Philadelphia

## **RESEARCH PRESENTATIONS (continued)**

## **National & International Presentations in 2012-13**

R Patel, N Al-Hadithy, B Navadgi, S Deo, D Hollinghurst, V Satish  
The FPV Patellofemoral Joint Replacement, Mid-term results from an independent district-general hospital. European Society of Surgical Research, Istanbul. 2013

Z Kiraly, S Deo. Use of a new patient pain diary to optimise outcome mapping and predicting patient dissatisfaction following knee replacement surgery. The Hungarian Orthopaedic Association and the Hungarian Traumatology Association Joint Congress, Budapest. June 2013

Z Kiraly, A Leonidou, G Erturan, A Brooks, S Deo. Our experience: minimally invasive stabilisation with locking plate for complex peri-articular fractures of the tibia. Hungarian Orthopaedic Association and Hungarian Traumatology Association Joint Congress, Budapest. June 2013

Kneale K, Nagy E, Deo S D, Successful use of Axsos Locking plates for peri-prosthetic fractures of the femur. European Federation of Orthopaedic & Trauma (EFORT), Istanbul Jun 2013

Kiraly Z, Deo SD. Use of a new patient pain diary to optimise outcome mapping and predicting patient dissatisfaction following knee replacement surgery [poster]. British Association for Surgery of the Knee, Annual Meeting, Leeds Mar 2013

Leonidou A, Erturan G, Brooks RA, **Deo SD**. Locking plate fixation for complex peri-articular fractures of the tibia. SICOT (International Society of Orthopaedic Surgery & Traumatology, Annual Congress Dubai Nov 12

Kneale K, Brown C, Deo S. A simple methodology for assessing quality of ankle fracture surgery [poster]. SICOT (International Society of Orthopaedic Surgery & Traumatology, Annual Congress Dubai Nov 12

Deo S D. Arthroscopic evaluation and treatment of the painful or stiff Unicompartmental Knee Replacement. Oxford Uni Global Masters Meeting, Oxford Sep 12

Kiraly Z, Deo SD. Knee replacement complexity and radiographic outcomes. MOT Hungarian Orthopaedic Association Meeting, Jun 12

Kiraly Z, Quick T, Pennington R, Tong A, Davies N, Deo SD. Medium term results of bilateral, simultaneous medial Oxford Unicompartmental knee arthroplasty (UKA). MOT, Magyar Orthopaedic Association Meeting Jun 2012.

Kneale K, Nagy E, Deo SD. Use of locking plates in periprosthetic fractures of the femur [poster] British Trauma Society, Leeds May 2012

Elsorafy K, Mchaourab A, Deo SD. Improvement of Neck of Femur Fracture Outcomes through the usage of a Complexity Classification System and an Efficient Multidisciplinary Approach [poster]. British Trauma Society, Leeds May 2012

Kneale K, Nagy E, Deo SD. Use of locking plate in periprosthetic fractures around the knee [poster]. British Association for Surgery of the Knee, Annual Meeting, Nottingham Apr 2012

## **;RESEARCH PRESENTATIONS (continued)**

## **National & International Presentations in 2011**

Elsorafy, K., Mchaourab, A., Deo, S.  
Improvement of Neck of Femur Fracture Outcomes through the usage of a Complexity Classification System and an Efficient Multidisciplinary Approach [Poster] BOA/IOA Combined Meeting 2011, Dublin Sept2011

Elsorafy, K., Mchaourab, A., Deo, S.  
Prediction of Patients Outcome Following Neck of Femur Fractures Using the 'Neck of Femur Complexity Classification' [E-Poster] SICOT 8<sup>th</sup> International Society of Orthopaedic Surgery & Trauma. Prague Sep 2011

Elsorafy, K., Mchaourab, A., Deo, S. Simple Stratification System For Neck of Femur fracture patients. European Federation of Orthopaedic & Trauma (EFORT). Copenhagen Jun 2011.

AJR Palmer, D Dimbylow, S Giritharan, S Deo. How accurate is national joint registry data? [Poster]. British Association for Surgery of the Knee - Annual Meeting, Cardiff, Apr 2011

## **National & International Presentations in 2010**

Nov 2010. Gill S, Deo S, Owen M, Dimbylow D. MPFL reconstruction using the LARS artificial ligament - Patient satisfaction with knee stability [Poster]. EFOST. 6th Meeting of the European Federation of National Associations of Orthopaedic Sports Traumatology Brussels,

AJR Palmer, S Giritharan, JM Owen, V Satish, S Deo. Revision of Unicompartmental to Total Knee Replacement: Experience from a Large Joint Replacement Unit. 12th Combined Meeting of the Orthopaedic Associations, Sep 2010

Gill S, Navadgi BC., Satish V, Deo S. Physiotherapy Rehabilitation After Knee Arthroplasty Surgery – A Patient's Perspective [Poster]. 12th Combined Meeting of the Orthopaedic Associations, Sep 2010

Gill S, Owen JM, Deo SD. Surgical safety checklists: audit of NPSA and WHO checklist usage. Podium. 7th SICOT/SIROT Annual International Conference. SICOT Meeting, Gottenburg Sept 2010

AJR Palmer, D Vartadevosyan, I Khan, A Beale, V Satish, S Deo.  
Behavioural Economics of Knee Magnetic Resonance Imaging (MRI) Requesting. Cost and logistical implications. [Poster]. ECHE European Conference on Health Economics, Helsinki Jul 2010

Yassir Al-Arabi, Irfan Khan, Sunny Deo. The financial impact of patient complexity in total knee arthroplasty [Poster]. ECHE European Conference on Health Economics, Helsinki Jul 2010

## **RESEARCH PRESENTATIONS (continued)**

## **National & International Presentations in 2010 (continued)**

UK Radiology Conference Leeds Jun 2010

A Beale, AJR Palmer, D Vartadevosyan, I Khan, A Beale, V Satish, S Deo.

Referral patterns for MRI of the Knee: which orthopaedic consultant can you afford?

Gill S, Navadgi BC., Satish V, Deo S. Physiotherapy Rehabilitation After Knee Arthroplasty Surgery – A Patient’s Perspective Orthopaedic Update Meeting, Val D’Isere Mar 2010

BC Navadgi, L Nordin, Y Alarabi, SD Deo, MC Rigby, RA Brooks

Risk classification for primary joint arthroplasty.[Poster]. British Hip Society (BHS) Meeting Sheffield Feb 2010

J M Owen, A. Tong, V. Mandalia, M. Cronin, J. Waite & S. Deo

Evaluation of arthroscopy for the painful unicompartmental knee replacement

British Association of Surgeons of the Knee (BASK) Meeting Oxford Mar 2010

AJR Palmer, S Giritharan, JM Owen, V Satish, S Deo.

Revision of unicompartmental knee replacement to total knee replacement:

experience from a large district general hospital joint replacement unit. [Poster].

British Association of Surgeons of the Knee (BASK) Meeting Oxford Mar 2010

## **National & International Presentations in 2009**

Vasireddy A; Ivory JP; Brooks RA; Rigby MC; Deo SD; Satish V & Lowdon IMR. Monitoring radiological outcome in lower limb arthroplasty as an index for quality control. Canadian Orthopaedic Association Meeting, Whistler [poster] in July 2009

Vasireddy A, Navadgi B, Deo S, Satish V & Lowdon I

Quality control in knee arthroplasty – use of a computer based assessment tool in monitoring post-operative radiological outcome.

British Association for Surgery of the Knee, April 2009, Edinburgh

**Winner of “Best poster presentation” award**

T. Quick, R Pennington, A. Tong, N. Davies, S Deo

Medium term results of bilateral, simultaneous medial Oxford Unicompartmental knee arthroplasty (UKA). International Meeting on early intervention for

Unicompartmental Knee Arthritis (IMUKA). Maastricht 4-6 feb 2009

## **RESEARCH PRESENTATIONS (continued)**



## **National & International Presentations in 2007**

Melton JT, Reynolds JJ, **Deo SD**. Pivot Apprehension: modification of the clinical sign for the assessment of anterior cruciate ligament deficiency. Warwick Sports Knee Surgery Meeting, Nov 2007.\* (Prize winning presentation)

**R Attoti**, Deo s, Finch D, Wood S, Zaw KK, Ching I, Varghese R, Erturan G  
Impact of Orthogeriatric Team on Outcomes for Osteoporotic fractures of the neck of femur patients. National Osteoporosis Society, Edinburgh Nov 2007.

**Erturan G**, McKenzie J, Woods S, Attoti R, Deo SD. Measured benefits from the introduction of an Ortho-geriatric service in a district hospital trauma service. British Trauma Society Meeting, Nottingham Oct 2007

Erturan G, McKenzie J, **Deo SD**. A simple hip fracture patient classification system  
British Trauma Society Meeting, Nottingham Oct 2007

**Erturan G**, McKenzie J, Deo SD. The learning curve of minimally invasive fixation of peri-articular fractures of the tibia: Complications and pitfalls. [poster]. British Trauma Society Meeting, Nottingham Oct 2007

**SD Deo**, A. Tong, V Mandalia,  
Indications and success rates of arthroscopy for the painful UKR  
Girdlestone Orthopaedic Society Meeting, Oxford, June 2007.\*

G Erturan, RA Brooks, J McKenzie, **SD Deo**  
Minimally Invasive Internal Fixation for Complex Peri-Articular Fractures of the Tibia. Girdlestone Orthopaedic Society Meeting, Oxford, June 2007.\*

**Deo S D**, Al-Arabi YB, S Vargas-Prada  
The Swindon Classification system for stratifying complexity of patients undergoing primary TKR. Girdlestone Orthopaedic Society Meeting, Oxford, June 2007.\*

Tong A, Gong A, Brooks RA, Deo S. Evaluation of Xray Clinic Follow Up Following Primary Joint Arthroplasty. [Poster]. EFORT, Florence May 2007

Tong A, Waite J, Deo S. Arthroscopy post Unicompartmental Knee Replacement. [Poster]. EFORT, Florence May 2007

**Erturan G**, Woods S, Deo S. Stratifying hip fracture patients to guide and focus appropriate care whilst optimising resources. EFORT, Florence May 2007

Erturan G, Quick T, Brooks RA, **Deo S**. Less invasive internal fixation for complex peri-articular fractures of the tibia- a district trauma unit experience over 4 years. EFORT, Florence May 2007

Kendrick BJ, Melton J, Jain S, Deo S. Impact on workload of a new open-access Helipad at a semi-rural District General Hospital. [Poster]. EFORT, Florence May 2007

**Deo SD**, Tilley C, Erturan G.  
Hip fracture epidemiology, patient stratification and the role of total hip arthroplasty in hip fracture patients. Osteosynthesis Trauma Care Meeting, Chamonix March 2007.

## **RESEARCH PRESENTATIONS (continued)**

## **National & International Presentations in 2007 (continued)**

Deo S D, **Al-Arabi YB**, S Vargas-Prada.

The Case For Adopting A Unified System For Stratifying Complexity Of Patients Undergoing Primary Total Knee Replacement. BASK meeting, Belfast March 2007

## **National & International Presentations in 2006**

**Deo S D**, Murray DW. Defining the Appropriate candidate for Unicompartmental Knee Arthroplasty. 2006 Comprehensive Team Approach For Reconstruction Of Hip & Knee Meeting, Orlando Fl, Dec 2006

**Deo S D**, Murray DW. Long-Term Global Experience with the Oxford Unicompartmental Knee Arthroplasty System. 2006 Comprehensive Team Approach For Reconstruction Of Hip & Knee Meeting, Orlando Fl, Dec 2006

**Al-Arabi Y**, Prada SV, Deo SD. Patient groups in primary knee arthroplasty. A simple risk classification system. BOA, Glasgow Sep 2006

**Kotnis R**, Madhu R, Al-Mousawi A, Barlow N, Deo S, Worlock P, Willett K. Outcomes of acetabular fracture reconstruction surgery: The time critical effect of delay. OTA, 22<sup>nd</sup> Annual Meeting, Phoenix, Ar, USA. Oct 2006. Featured **article** in *Orthopaedics International Today*, November/December 2006.

**Madhu R**, Kotnis R, Al-Mousawi A, Barlow N, Deo S, Worlock P, Willett K. Outcomes of acetabular fracture reconstruction surgery: the time-critical effect of delay. BOA, Glasgow Sep 2006

**Melton J**, Jain S, Kendrick BJ, Deo S. Helicopter Emergency Ambulance Service (HEAS) transfer: an analysis of trauma patient case-mix, injury severity and outcome. BOA, Glasgow Sep 2006. Featured **article** in *Orthopaedics International Today*, November/December 2006.

**Al-Arabi Y**, Murray J, Deo S, Satish V. The Oxford knee score for soft tissue pathology of the knee: a correlation study with the IKDC and the Lysholm scores. BOA, Glasgow Sep 2006.

**Melton JT**, Reynolds JJ, Deo SD. Pivot Apprehension: modification of the clinical sign for the assessment of anterior cruciate ligament deficiency. British Orthopaedic Specialists Association Meeting, Birmingham 2006

Tong A, Mandalia V, **Deo SD**. A role for Arthroscopy for the Painful Unicompartmental Knee Replacement? 30<sup>th</sup> Anniversary Oxford Unicompartmental Knee Meeting, Blenheim Palace, Nov 2006

Tong A, Pennington R, Kandekhar S, Von Arx O, Langdown A J, Turner R, **Deo S**. Top tip: positioning for the bilateral simultaneous medial oxford unicompartmental knee replacement. 30<sup>th</sup> Anniversary Oxford Unicompartmental Knee Meeting, Blenheim Palace, Nov 2006.

**Deo S**, Kandekhar S, Von Arx O, Langdown A J, Turner R, Tong A. Physiological derangement following bilateral simultaneous medial oxford unicompartmental knee replacement surgery. 30<sup>th</sup> Anniversary Oxford Uni Knee Meeting, Blenheim , Nov 2006.

## **RESEARCH PRESENTATIONS (continued)**

## **National & International Presentations in 2006 (continued)**

Al-Arabi Y, Prada S V, Deo S D. A simple risk classification for primary arthroplasty patients. [poster] British Association of Surgeons of the Knee, Spring meeting Slough, Mar 2006.

Al-Arabi Y, Murray J, Wyatt M, Deo S D. The Oxford Knee Score in younger patients, with sports injuries. [poster] British Association of Surgeons of the Knee, spring meeting Slough, Mar 2006.

## **National & International Presentations in 2001-2005**

**Deo S**, Quick T. Analysis of re-operations on medial oxford unicompartmental knee replacement using the minimally invasive approach. Egyptian Orthopaedic Association Meeting, Cairo, Nov 2005

**Deo S**, Quick T. Minimally invasive internal fixation for complex peri-articular fractures of the tibia. Egyptian Orthopaedic Association Meeting, Cairo, Nov 2005

**Kandekhar S**, Deo S D, Meek R N, Blachut P A, Worlock P H, Willett K. Timing of operative treatment for acetabular fractures. Better results with early surgery. British Trauma Society / Hellenic Trauma Association Combined Meeting 2005, Athens. Award-winning presentation. Abstract published (as award winning paper) in *Injury Suppl*, 2007.

Vallamshetla R Deo S D. A study of the changing demographics of hip fractures over a seven year period. [poster]. June 2005. British Orthopaedic Specialists Association Meeting, Birmingham

**Deo S D**, Turner R, Vallamshetla VRP. A study of the changing demographics of hip fractures over a seven year period. June 2005, European Federation of Orthopaedics and Trauma (EFORT) Congress.

**Deo S D**, Kandekhar S, Langdown A J, Von Arx O,. Bilateral simultaneous Oxford unicompartmental knee replacements through a minimally invasive approach. June 2005, European Federation of Orthopaedics and Trauma (EFORT) Congress

Kandekhar S, Langdown A J, Von Arx O, Deo S D. Quantification of physiologic derangement following bilateral simultaneous Oxford unicompartmental knee replacements. [poster] June 2005, European Federation of Orthopaedics and Trauma (EFORT) Congress. **Award winning poster**, top 10 of 900 presented.

**Stewart M**, Jordan M, Deo S D. Evaluation of a Surgical Assessment Unit [poster], April 2004, Emergency Services Collaborative National Meeting, Birmingham.

**Deo S D**, Langdown A J Kandekhar S, Vallamshetla R. Bilateral simultaneous Oxford unicompartmental knee replacements through a minimally invasive approach. [poster] April 2004, British Association for Surgery of the Knee (BASK),.

**Deo S D**, Loucks C, Blachut P A, et al. Favourable long-term outcomes following operative treatment of multi-ligament knee injuries. Apr 2004, BASK, Spring Meeting.

**Parmar J**, Wheeler J, Troughton A, Deo S. Efficacy of portable ultrasound in the diagnosis of DVT in post-operative arthroplasty patients. Dec 2003. British Medical Ultrasound Society Meeting, Harrogate.

## **RESEARCH PRESENTATIONS (continued)**

## **National & International Presentations in 2001-2005 (continued)**

**Deo S D**, Loucks C, Blachut P A et al. Long-term outcome following multi-ligament knee injuries. Oct 2003. British Orthopaedic Association Meeting, Birmingham.

**Deo S D**, Meek R N, Blachut P A, Worlock P H, Willett K. Timing of operative treatment for acetabular fractures. Oct 2001, British Orthopaedic Association Meeting, Birmingham.

## **National & International Presentations 1991-2000**

**Deo S D**, Fairbank J C T, Richards P, Pike M, Athanasou N, Wheeler K. Aneurysmal bone cyst as a rare cause of cord compression in a child. Mar 2000. Royal Society of Medicine, London.

Deo S D, **Tavares S**, Pandey R, El-Saeid G, Willet K, Worlock P H. Operative management of acetabular fractures a U.K. perspective. (Poster) Jun 1999, EFORT, Brussels.

Deo S D, Makan P, Wanders L, Pratt R K, Virr A, **Fairbank JCT**. Outcome measures in neurogenic claudication. (Poster) Nov '98, NASS San Francisco.

**Deo S D**, Makan P, Wanders L, Fairbank JCT. Evaluation of the Shuttle Walking Test in patients with neurogenic claudication. (Poster) Oct 1998, BOA/IOA Dublin

**Deo S D**, Tavares S, Pandey R, El-Saeid G, Willet K, Worlock P H. Operative management of acetabular fractures a U.K. perspective. Oct 1998, Combined BOA/IOA Dublin

**Deo S D**, Tavares S, Pandey R, El-Saeid G, Willet K, Worlock P H. Operative management of acetabular fractures. Oct 1998, British Trauma Society, London.

RESEARCH:

**Deo S D**, Knottenbelt J D. Evaluation of a small trauma team for major resuscitation. Oct 1997, British Trauma Society, Bath.

**Deo S D**, Knottenbelt J D. The use of midazolam in trauma resuscitation. Oct 1995, British Trauma Society, Leeds.

**Emerton M E**, Deo S D, Gibbons C I M L, Simpson A H R W,. Total hip replacement in renal transplant patients. Mar 1994, Girdlestone Society Annual Meeting, Brighton.

**Salam A A**, Deo S D. Post laminectomy chemonucleolysis. Aug 1993, Conference of Minimally Invasive Surgery, USA

**Deo S D**, Alpar E K. A study of patients with chest injuries. Oct 1991, British Trauma Society, Lytham St Anne's.

## **RESEARCH: BOOK CHAPTERS AND ACTIVE PROJECTS**

## **BOOK CHAPTERS:**

### **Completed, in print:**

Deo S D. **Injuries to muscle tendon units**. In Oxford Textbook of Orthopaedics and Trauma. (Ed.s - Buckwalter, Bulstrode C, Carr A J, Fairbank J C T, Wilson-Macdonald J) OUP. Completed Nov 1997. In press 2002. Editing for 2<sup>nd</sup> edition.

Deo S D, Mandalia V. **Principles of care in the operating room**. Chapter 15, Section 1. New 25<sup>th</sup> edition of Bailey & Love's Short Practice of Surgery. Section editor C Bulstrode. (Ed.s - Russell RCG, Williams NS, Bulstrode CJK) Hodder Arnold. Completed Nov 2006.

Deo S D. **Neurogenic claudication**. In Management of low back pain in primary care. (Ed – Bartley R and Coffey P) Butterworth Heineman. In press, Jan 2001.

Deo S D. **Injuries to muscle tendon units**. In Oxford Textbook of Orthopaedics and Trauma. (Ed.s - Buckwalter, Bulstrode C, Carr A J, Fairbank J C T, Wilson-Macdonald J) OUP. Completed Nov 1997. In press 2002.

## **RESEARCH WORK IN PROGRESS:**

- Analysis of pain & function following TKR / UKR / ACLR: Pilot data collection Oct 2010, in conjunction with pain team at GWH. Includes early results post-TKR in young patients. Data analysis on-going.
- Analysis of early pain & function following TKR, comparing shape-matched to conventional replacement.
- Role of physiotherapy in knee surgery. Data collection on-going currently by Fiona Thorne, Specialist Physiotherapist.
- Complexity in knee diagnosis, as well as treatment. (Pathologic, diagnostic, clinical complexity)
- Part of Signature Trial – UK surgeon in worldwide RCT of conventional Vs shape matched. Recruitment started in Jul 2014.
- Complexity stratification/classification in knee & hip fracture surgery
- Aim to roll out the complexity classification system to all TKR patients
- Part of multi-centre evaluation of uncemented Oxford UKR (bilateral study)
- Axsos plating for peri-prosthetic fractures of femur
- Analysis of outcomes as related to pre-op clinical complexity and post-op knee scores
- X-ray evaluation of UKR implantation at GWH
- Coding and clinical complexity
- Diagnostic complexity and the role of a knee pain classification system.
- The pivot apprehension sign: a new clinical test of ACL laxity. Analysis complete, ready for presentation. Inter- & intra-observer reliability awaited.
- Evaluation of Tisseal / fibrin in knee replacement patients – contributor, VSatish is CI.

## **RESEARCH ACTIVE PROJECTS:**

## **PARTICIPATION IN MULTI-CENTRE STUDIES:**

- Invited as participant in Signature UKR worldwide study (only UK surgeon, Biomet) 2012, due to start 2013
- Principal Investigator GWH for AIM Study (Multi-centre RCT, Oxford) 2011-13
- Contributor / surgeon for TOPKAT study (Multi-centre RCT, Oxford), 2010
- Invited & joined the LARS UK Experts forum 2010.
- Invited & joined the UK Clinical Leaders Network, Sep 2009
- Invited & joined Thames Valley CLRN for Injuries & Accident, Mar 2009
- Founder member by invitation to GenuKnet, multi-centre collaborative research group based in Oxford, 2008.
- ACTIVE Study – RJAH / Oswestry leading, since 2006-09
- RCT Uncemented Oxford UKR study. Oxford Uni group, 2005
- Invited & joined the Uni Knee User Group 2005
- ACI / MACI Study – RNOH group leading, 2004-5

## **POTENTIAL RESEARCH PROJECTS:**

- RCT of mobile Vs fixed bearing UKR
- Assessment and quantification of tibia vara in pre-operative knee patients, evaluating visual and radiological assessment tools.
- Incidence of bone bruising in professional footballers. Recruiting & data collection.
- The role of portable ultrasound in DVT detection in post TJR patients – 2<sup>nd</sup> phase due to commence, funding applied for, awaiting probe and adequate training prior to recruiting & data collection.
- The use of the antibiotic bead pouch in open fractures
- Antero-medial synovitis as a cause of mechanical and knee pain symptoms.
- Patellar denervation in TKR. Due to re-start with bilateral TKR's. ethics approved.
- Use of balloon kyphoplasty technique with bone substitute in tibial plateau fractures.
- Can clinical complexity rules apply to all operative treatments?
- Role of a loading device for CT scannograms for pre-operative assessment of osteotomy.
- Effect of complexity on revision TKR outcomes.
- Cadaveric biomechanics studies of locking plates in the proximal & distal femur
- Is there local complexity in UKR surgery?
- Roll-out of complexity classification to Bristol and Oxford research centres
- Role of collagen sub-types in post-TKR stiffness.
- The role of basic calcium phosphate and intracellular synovial iron ions in progression of osteoarthritis – grant proposal and protocol being constructed. bi-centre, basic science project.

## AUDIT PROJECTS

### CURRENT AUDIT PROJECTS:

- Theatre delays in hip fracture patients
- Theatre delays in elective TKR/UKR patients
- CEPOD deaths in T&O 2003-2014
- ISS patients >14 audit. Data presented to Regional network events.
- Incidence of emergency spinal admissions
- Prolonged length of stay in some TKR patients
- Delays in ankle fracture surgery 2008, 2010 – 2014 re-audit underway
- Theatre Checklists in T&O
- Deo S D, Woods S, Andrade-Carlos I, Relationship of day of admission and theatre delays for neck of femur fracture patients.
- Khan I, Deo S, Satish V. MRI requesting and correlation with management and operative findings.
- Navadgi B, Satish V, Deo S. Physiotherapy following TKR. Perception and satisfaction.

### COMPLETED AUDIT PROJECTS (since 2001)

- Gill S, Owen JM, Deo SD. Surgical safety checklists: audit of NPSA and WHO checklist usage. Podium. 7th SICOT/SIROT Annual International Conference. Gottenburg Sept 2010
- Deo S D, Kandekhar S, Vallamshetlla R, Turner R, Woods S. Epidemiological trends in patients with neck of femur fractures. Retrospective study completed.
- Caldwell S, Phillips K, Deo S D. Evaluation of DONOR auto-transfusion in total knee replacement patients at GWH Jain S, Deo S D. Impact of a new helipad on the trauma services in a large DGH.
- Jain S, Turner R, Von Arx O. Audit of theatre delays in trauma 2003-4. (NOF # subset)
- Stewart M, Jordan M, Deo S D. Evaluation of a Surgical Assessment Unit for Group IV, Emerg Services Collaborative.
- Deo S D. NCEPOD audit of T&O deaths in GWH. 2002.
- Konyves A, Deo S D. Evaluation of auto-transfusion in total knee replacement patients at Princess Margaret Hospital – **audit completed**. Commenced Feb 2002.

## **OTHER TRUST DOCUMENTS / PRESENTATIONS**

### **2014**

- Peer review documents for Severn and Thames Valley Trauma Networks
- Virtual fracture clinic business case and template for set-up
- SAFER ward round guidelines, templates and business plan for T&O dept
- Notes review template for T&O
- ED flowchart for acute knee problems
- Template for virtual fracture clinic educational website
- Business case for 2 new consultants

### **2013**

- Peer review presentations for Severn and Thames Valley Trauma Networks
- Business case for physician associate trainees within T&O (with S Apperley)

### **2012**

- MSK Sepsis datasheet (paper & electronic) and set-up of weekly MDT Meetings
- Trauma Unit GWH, for Severn Trauma Network Meeting Jan 2012
- Trauma Unit GWH, good & need to improve. TV Trauma Assurance Event Feb 2012
- Trauma Network summary document.
- Chronic knee conditions flowchart
- Management of severe knee OA
- Consultant only listing algorithm
- Multiple CBD and Trauma teaching talks.

### **2011**

- Business case for shaped match TKR
- Presentation of coding errors and complexity to Trust Board Feb 2011
- Revised acute knee problems flowchart

### **2009-10**

- New format re-application for Zimmer Knee Fellow
- Job description for combined SHO/junior registrar post - Mar 2010
- Cost of open access MRI for knees. Presented to PCT Feb 2010
- Complexity, coding and costings. Presented to Planned Care Nov 2009
- Coding errors in knee surgery. Discussion document Mar 2010.
- Multiple presentations sent for Virtual Campus Oct 2009
- MRI letter templates for patient follow-up
- Patient information booklet re-editing for TKR, UKR, Osteotomy.

### **2007-8**

- Application for Zimmer Knee Fellow
- Research database update
- Proposal for Swindon Orthopaedic Outcomes Unit
- Contributor to T&O Strategy paper
- New edition of VTE prophylaxis
- TKR Pain diary
- Patient information document for TKR and UKR patients
- Proposals for combined pain clinic, and for extensive post-operative pain survey
- Business cases for LARS ligament for MPFL recon & Combined Complex Knee Pain clinic.

### **2006-7**

- Knee arthroscopy exercise sheet
- Knee replacement surgery patient booklet
- Uncemented TKR protocol
- Case for bilateral simultaneous TKR at GWH. Discussion with PCT.
- Improving theatre efficiency



## **OTHER TRUST DOCUMENTS / PRESENTATIONS prior to 2006:**

### **Prior to 2006**

- 2<sup>nd</sup> Proposal for Surgical Assessment Unit at GWH, 2005.
- Proposal for restructuring of surgical SHO's at GWH 2005.
- FRCS Orth Trauma Viva presentation 2005.
- Final report for Group 4, Surgical Division of the Emergency Services Collaborative 2004
- Proposal for Surgical Assessment Unit at GWH 2004
- Edited GWH hip care pathway 2004.
- Theatre note templates for TKR and UKR, 2004.
- Neck of femur care pathway document 2003-4
- Major trauma clerking sheets 2003
- Orthopaedic consent teaching documents – subsequently adopted and used by other departments across the trust. January 2003.
- New Orthopaedic SHO handover sheet – Jan 2003.
- New SHO weekly rota sheets – Oct 2002.
- Orthopaedic Department VTE protocol – October 2002, re-edited up to 2008
- Further contribution and editing of orthopaedic patient advice leaflets, particularly relating to fractures.

## **INTERACTION WITH INDUSTRY**

Stryker with regard to research funding and new Knee arthroplasty courses.

Biomet with regard to faculty membership and industry based research.

Negotiation of knee implant tender with Stryker UK, Zimmer and theatres / supplies

BMI in conjunction with Swindon Orthopaedics Ltd.

Negotiation re clinical reference centres for knee surgery with Zimmer for primary total and revision knee replacements), now Stryker from 2010 and Biomet Merck UK for Oxford Unicompartamental replacements. This is for both UK and European surgeons.

Routine Health Outcomes Ltd as pioneer for their novel health outcome tool in orthopaedics. Invited by Finsbury to form a working group looking at improving knee instrumentation for the MRK TKR 2009.

Previous discussions with for for Biomet sport and Kingsland medical for the Aperfix ACL systems, being a reference centre.

Clinical informatics company, [c-ci](#) (CRAB clinical informatics, UK)

## **OTHER PROFESSIONAL ACTIVITIES:**

- Steering Committee Chairman for ACHE (Arthroplasty Candidacy Help Engine) Study Group (NIHR, HTA Study) 2014-
- Reviewer for *Injury* (International Journal of trauma and trauma care). 2004-
- Orthopaedic surgeon for Swindon Town Football Club, 2003 onwards.
- AO/ASIF Foundation faculty. Course instructor in July 2003 and 2005.
- SHO Tutor to the Royal College of Surgeons of England up to Dec 2010
- OTC (Osteosynthesis Trauma Care)/ Foundation of Ortho Trauma UK invited founder member 2006 -.
- ATLS faculty on multiple courses since 2000. Also Instructor courses.
- MRCS and FRCS (Orth) Course Faculty, Bristol and Oxford.
- Brighton & Sussex University MSc Examination Faculty
- Private Orthopaedic Practice & Medico-legal Practices. Chairman of Swindon Orthopaedic Limited. In process of setting up website and private practice negotiations.

## **INVITED LECTURES AND PRESENTATIONS:**

- “Early management of major trauma”* National Podiatry Study Day 2014
- “What is a Trauma Unit?”* GWH Regional Nursing Study Day, 2014
- “Motorcycle injuries and their management”* Swindon Motorcycle Club, 2013
- “Principles of Orthopaedic & Trauma Management”* UK Association of Physicians’ Assistants National Meeting Apr 2013
- “Case based discussion of sports knee injuries”* Wilts GP PG Teaching Session Dec 2011
- “Sports injuries and the elite athlete”* Wilts GP PG Teaching Session Feb 2011
- “Key issues in Orthopaedic Care”* Osteopaths MSc Course, Oxford Brooks, 2010-
- “Introduction to Trauma Emergency Care”* UWE Study Day, Swindon 2010
- “Orthopaedics & Trauma in the UK, 2009”* Cure Hospital, Blantyre Malawi Oct 2009.
- “Knee problems in Primary Care”* – Lechlade GP group Meeting, Feb 2009
- “Sports injuries, a surgeon’s view”* – Life Dynamic Open Day, Ridgeway hospital, Sep 2007
- “Key topics in knee surgery and techniques for the FRCS Orth examination”* – Severn Trainees Meeting, Bath, Oct 2007
- “How to treat knee problems”* – West Oxon GP group Meeting, Nov 2007
- “What’s new (and exciting) in knees”* – Ridgeway Postgraduate GP Meeting, Nov 2007
- “Doctor my knee hurts”* - South Oxon Osteopathic group, Faringdon 2006, RAF Brize Norton Medical Centre, Jan 2007
- “What’s new in hips”* – Oxon Osteopathy and Physiotherapy Group Apr 2005
- “Radiology of hip and knee replacements”* – Biomet European team Nov 2004 and 2006
- “What’s new in knee surgery”* – Ridgeway PGE Meeting, Feb 2004, & GWH physio gp March 2005
- “Welcome to GWH”* – introductory talk as host to the President of RCS England’s visit. Jan 2004.
- “Recent advances in lower limb orthopaedics and trauma”* – GWH / UWE student nurses study day, 15<sup>th</sup> October 2003.
- “New developments in acl reconstruction”* – the Swindon Chartered Physiotherapy Meeting, Jan 2003
- “Foreign experiences in orthopaedics”* - Swindon & Marlborough NHS Trust, Post-graduate Meeting, January 2003

**SCIENTIFIC MEETINGS ATTENDED:**

EFORT Meeting, London	2014
Technology in Medicine, Swindon	2014
BASK Meeting, Norwich	2014
BTS Meeting, Leeds	2013
Developments in Oxford UKR	2012
SICOT Meeting, Dubai	2012
BTS Meeting, Leeds	2012
BASK Meeting, Cardiff	2011
12 <sup>th</sup> Meeting of Combined Orthopaedic Associations, Glasgow	2010
European Conference on Health Economics, Helsinki	2010
BASK Meeting, Oxford	2010
Girdlestone Society Meeting, Lakes	2009
British Trauma Society Meeting, Nottingham	2007
Girdlestone Society Meeting, St Anne's College Oxford	2007
EFORT Meeting, Florence	2007
OTC Winter Meeting, Chamonix	2007
Current Concepts in Joint replacement Surgery, Orlando	2006
Comprehensive Team Approach For Recon Of Hip & Knee, Orlando	2006
30 <sup>th</sup> anniversary UKR Meeting, Blenheim Palace	2006
BOA Glasgow	2006
BASK Spring Meeting	2006
Egyptian Orthopaedic Association Meeting, Cairo	2005
BOA Meeting, Brimingham	2005
EFORT Meeting, Lisbon	2005
2 <sup>nd</sup> Controversies in Orthopaedic Practice Meeting, Les Gets	2005
Orthopaedics, Sports injuries & Trauma Meeting, London	2004
Rapid Recovery from Arthroplasty Conference, Rome	2004
Oxford Unicompartmental User Group and Faculty Meeting	2004
British Orthopaedic Association Meeting, Manchester	2004
Pre servation Uni – Meeting, Oxford	2004
HipFest 6 – hip fracture care: the changing picture	2004
BASK Spring Meeting, Basingstoke	2004
Warwick Sports Knee Surgery Meeting	2003
British Orthopaedic Association Meeting, Birmingham	2003
Controversies in Orthopaedic Practice Meeting, Les Gets	2003
6 <sup>th</sup> Wexham Park Cruciate Meeting	2002
British Orthopaedic Association Meeting	2002
Joint replacement in young, high activity patients (Birmingham)	2002
Charnley Era Wrightington Arthroplasty Meeting (knee)	2002
British Orthopaedic Association, Birmingham	2001
American Academy of Orthopaedic Surgeons, San Francisco	2001
University of British Columbia Evening Conferences, Vancouver	2000
Orthopaedic Division, Royal Society of Medicine, London	2000
Spinal Surgery 2000, London	2000
British Orthopaedic Association, Dublin	1999
British Trauma Society, London	1999,
British Trauma Society Meetings Bath 97; Leeds 95; Oxford,93, Lytham	1991

## **MEMBERSHIP OF SOCIETIES / GROUPS**

- British Orthopaedic Association
- British Association for Surgery of the Knee
- UK Meniscal Study Group
- British Trauma Society
- Biological Knee Society
- Swindon Orthopaedic Limited
- British Orthopaedic Trainees Association
- The Girdlestone Orthopaedic Society
- AO/ASIF (Association for Study of internal fixation) UK
- Meek Club (Vancouver Trauma Group Alumni), Canada
- Colston Tennis Club
- Lechlade Veterens Football Club
- Birmingham Medical School Old Boys RFC

## **INTERESTS:**

Outside work I enjoy being with my family, and we particularly enjoy walking, cycling and camping. I maintain a keen interest in my children's sports teams. I keep fit by running, playing tennis, soccer, skiing, and golf. I ran my first marathon in October '98, have done regular ½ marathons and sprint triathlons since 2005. I've re-started playing competitive tennis since 2010 for Colston & Lechlade LTC's. In Oxford as a trainee I captained the NOC 5-a-side football team, and played rugby for Osler RFC. I represented my medical school in rugby, soccer and cricket. As cast member, writer and director, I participated in nine medical school revues, and several university and hospital Christmas shows, from 1989 to 1998.

## **CAREER PLANS:**

My aim is continue to provide high quality Orthopaedic and Trauma care while developing of my key interests, namely: sports knee and lower limb joint replacement surgery, the early management of trauma, complex orthopaedic trauma and sports trauma problems in Swindon.

I will continue to contribute to the faculties of a number of national and international courses, journals and books. I aim to continue as actively as previously with teaching, audit and research interests in my current hospital setting. I hope to continue to develop my research and teaching interests in particular over the next 2-3 years, in particular my observations relating to complexity of patients in clinical practice. This topic also dovetails nicely with one of my other key research interests which is how we analyse and treat pain in patients following knee surgery. Both main topics would have applicability to other specialties. I feel these strands of research are not only for the profession, but also for patient understanding, health care commissioners and future generations of healthcare workers.

**REFEREES:**

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The details provided are an accurate reflection of my work to date:



Mr S D Deo