

## **2010 – 2011 Annual Activity Report**

### **The Centre for Spinal Studies and Surgery**

#### **Queen's Medical Centre**

#### **Nottingham University Hospitals**

### **Clinical Activity:**

#### **Spinal Outpatients:**

New complex and deformity patients:	784
Follow-up complex and deformity patients:	1882
New general patients:	3345
Follow-up general patients:	6570
<i>Total:</i>	<i>12581</i>

#### **Spinal Inpatients:**

Day case admissions:	1892
Elective admissions:	992
Non-elective admissions:	603
<i>Total:</i>	<i>3487</i>

#### **Surgical cases performed by category:**

Open degeneration cases:	594
Open deformity cases:	135
Open trauma cases:	38
Open tumour cases:	58
Min invasive trauma and tumour cases:	71
Miscellaneous cases:	102
<i>Total:</i>	<i>998</i>

## Academic Activity:

### **Publications:**

Pathogenesis of adolescent idiopathic scoliosis in girls. A double neuro-osseous theory involving disharmony between two nervous systems, somatic and autonomic expressed in the spine and trunk: possible dependency on hormones and sympathetic nervous system with implications for medical therapy.

**Burwell RG, Aujla RK, Grevitt MP, Dangerfield PH, Moulton A, Randell TL, Anderson**

Scoliosis, 2009 Oct 31;4;24

Correction of thoracic kyphosis with Ponte osteotomy.

**Grevitt M, Kamath V, Avadhani A, Rajasakeran S.**

Eur Spine J (2010) 19:351-352

A bilateral C7 pedicle fracture following a low energy injury.

**Salem KM, Grevitt MP**

Injury. 2010 Oct 11.

Type II odontoid fractures in the elderly: an evidence-based narrative review of management

**Pal D, Sell P, Grevitt M.**

Eur Spine J. 2010 Sep 12. [Epub ahead of print]

Compartment syndrome of leg following total lumbar disc replacement via anterior retroperitoneal approach: A rare complication of anterior spinal surgery

**Magaji SA, Debnath UK, Mehdian SMH.**

Spine 2010 Feb 1:E74-6

Expert's comment concerning Grand Rounds case entitled "Posterior listhesis of a lumbar vertebra in spinal tuberculosis" (by Matthew A. Kirkman and Krishnamurthy Sridhar).

**Sell P**

Eur Spine J 2010 Aug 11. [Epub ahead of print]

A short report comparing outcomes between L4/L5 and L5/S1 single-level discectomy surgery.

**Okoro T Sell P**

J spinal Disord Tech 2010 Feb;23(1):40-2.

Tumour Necrosis alpha-blocking Agent (Etanercept): A triple blind randomized controlled trial of its use in treatment of sciatica

**Okoro T, Tafazal SI, Longworth S, Sell PJ.**

J Spinal Disord Tech. 2010 Jan 12

The accuracy of assessment of walking distance in the elective spinal outpatients setting

**Okoro T, Qureshi A, Sell B, Sell P.**

Eur Spine J. 2009 Sep 2.

Lumbar nerve root pain: what works and what doesn't?

**Zurqa N. Rasul, Philip Sell**

International Musculoskeletal Medicine 2009 Vol 31 No 4 pp 166 -171

Corticosteroids in peri-radicular infiltration for radicular pain: a randomised double blind controlled trial. One year results and subgroup analysis

**Tafazal S, Ng L, Chaudhary N, Sell P**

European Spine Journal 2009 Aug;18(8):1220-5. Epub 2009 Apr 22

Patient information and education with modern media: the Spine Society of Europe Patient Line

**Pellis  F, Sell P; EuroSpine Patient Line Task Force.**

Eur Spine J. 2009 Aug;18 Suppl 3:395-401. Epub 2009 Apr 19.

Reply to the letter to the editor of N. V. Todd concerning "Cauda Equina Syndrome treated by surgical decompression: the influence of timing on surgical outcome" by A. Qureshi, P. Sell (2007) Eur Spine J 16:2143-2151

**Sell P**

European Spine Journal 2009 May 29. [Epub ahead of print]

The diagnostic value of anaesthetic hip injection in differentiating between hip and spinal pain

**N Ashok, M Sivan, S Tafazal, P Sell**

European Journal of Orthopaedic Surgery and Traumatology Vol 19 No 3 April 2009 pp 167-172

The prediction of outcome in somatised patients undergoing elective lumbar surgery.

**Okoro T, Sell P.**

J Bone Joint Surg Br. 2009 Apr;91(4):517-21.

Volume matters: a review of procedural details of two randomised controlled vertebroplasty trials of 2009.

**Boszczyk B**

Eur Spine J. 2010 Nov;19(11):1837-40. Epub 2010 Aug 5.

Lamina-guided lateral mass screw placement in the sub-axial cervical spine.

**Bayley E, Zia Z, Kerslake R, Klezl Z, Boszczyk BM**

Eur Spine J. 2010 Apr;19(4):660-4. Epub 2009 Dec 1.

The ipsilateral lamina-pedicle angle: can it be used to guide pedicle screw placement in the sub-axial cervical spine?

**Bayley E, Zia Z, Kerlake R, Boszczyk BM**

Eur Spine J. 2010 Mar;19(3):458-63. Epub 2009 Sep 1.

Giant Destructive Myxopapillary Ependymomas Of The Sacrum

**Nasir A. Quraishi, Jean-Paul Wolinsky, Ali Bydon, Timothy Witham, Ziya L. Gokaslan**

Journal of Neurosurgery (Spine)

2010 Feb;12(2):154-9

Current Concepts in the Surgical Management of Metastatic Epidural Spinal Cord Compression

**Nasir A. Quraishi, Ziya L. Gokaslan, Stephano Boriani**

Journal of Bone & Joint Surgery,

2010 Aug;92 (8):1054-60.

## Book Chapters

ABC of Spinal Disorders

Andrew Clarke, Alwyn Jones, Michael O'Malley, Robert McLaren

ISBN: 9781405170697 Publisher John Wiley and Sons Ltd Wiley-Blackwell

Chapter One Clinical Assessment of the Patient with Back Pain by Philip Sell and Steve Longworth

Spinal infections.

**J. Clamp, M. Grevitt**

Surgery (Oxford) 2009, Volume 27, Issue 7, Pages 306-310

Spinal Injuries

**S. Jurgens, M. Grevitt.**

Neuroanaesthesia, Oxford Specialist Handbook in Anaesthesia, eds Nathanson M, Moppett I, M Wiles. Oxford University Press, 2010: 316-321

## Presentations:

**Mehdian SMH**

Cervical osteotomy technique for correction of cervical kyphotic deformity in Ankylosing Spondylitis

AO Spinal meeting Nottingham, October 2010

**SMH Mehedian, H Dabke, UK Debnath, R Arun**

Analysis of sagittal alignment correction in Ankylosing Spondylitis using three different osteotomy techniques. Presented at EuroSpine, September 2010 Vienna and abstract published in ESJ 010, 19, S233-S364 2010 International Spine Symposium Tehran October 2010

**SMH Mehdian , R Mehdian , D Copas**

Radiological outcomes of Segmental Pedicle Screw Fixation in Spinal Deformity Surgery

BSS Meeting Manchester ,November 2010

International Spine Symposium Tehran October 2010

**SMH Mehdian, R Arun, D Copas**

Comparison of Clinical and Radiological Outcomes of three surgical techniques in Scheuermann's Kyphosis

EuroSpine; September 2010 Vienna and abstract published in ESJ 010, 19, S233-S364

BSS Meeting Manchester, November 2010

International Spine Symposium Tehran October 2010

**SMH Mehdian, J Mehta**

Reduction of high grade Adolescent Isthmic Spondylolisthesis: A New Technique.

Hibbs meeting in SRS Meeting Japan, September 2010

**PJ Sell**

Spine Society Europe Course

Serious Spine Disorders April 2010

Liberec Czech Republic 7 lectures

Module 1 and Module 2 Diploma Course

Chair for Module 2

Copenhagen August 2010

**Burwell RG, Aujla RK, Grevitt MP, Dangerfield PH, Moulton A, Randell TL, Anderson SI.**

Aetiopathogenesis of adolescent idiopathic scoliosis in girls. Disharmony between two nervous systems, somatic and autonomic, expressed in the spine and trunk. A double neuro-osseous theory.

Rachide & Rehabilatazione multidisciplinare Quinto Evidence-based Meeting, 21 marzo 2009, Jolly Hotel, Assago, Milano. Magistral Lecture by Geoffrey Burwell

**Burwell G, Aujla R, Grevitt M, Randell T, Dangerfield P, Cole A, Kirby A, Polak F, Pratt R, Moulton A, Webb J**

Different systemic skeletal overgrowth patterns in preoperative girls with adolescent idiopathic scoliosis (AIS) revealed by higher and lower body mass index subsets (Supported by AO). Brit Assoc Clin Anatomists Dundee July 2009

**Grevitt MP, Harshavardhana NS, Debnath UK,, Dabke HV, Mehdian HS, Boszczyk BM, Webb JK.**

Selective C1–C2 arthrodesis for non-RA pathologies: long term functional outcome study.

Global Spine Congress. San Francisco, June 2009

**Kerr H, Dabke HV, Collins I, Grevitt M.**

Claustrophobia: a new yellow flag?

Global Spine Congress. San Francisco, June 2009

**Grevitt M, Mehdian HS, Ranganathan A, Harshavardhana NS, Freeman BC**

Reduction of high grade adolescent isthmic spondylolisthesis using a three-stage shortening procedure.

Global Spine Congress. San Francisco, June 2009

**Grevitt MP, Clamp JA, Andrews JR. A study of the radiological predictors of curve**

flexibility in adolescent idiopathic scoliosis.

Global Spine Congress. San Francisco, June 2009

**Leung Y, Chinwalla F, Grevitt M.**

Doctor will my back set off any alarms? Detection of spinal implants by airport metal detectors.

Winner of best paper, change in practice category

Britspine 2010, Liverpool

**Rushton P, Grevitt M, Sell P.**

Anterior or posterior surgery for right thoracic adolescent idiopathic scoliosis (AIS)? Radiological & functional outcomes

Britspine Liverpool 2010

**Bowyer K, Grevitt M**

Definition of 'false positives' determines efficacy of multimodal spinal cord monitoring.

Britspine Liverpool 2010

**Kerr HL, Dabke HV, Collins I, Grevitt M.**

Claustrophobia: a proxy for psychological distress in back pain patients. ,

Britspine Liverpool 2010

**P Lakshmanan, V Dvorak, W Schrott, S Thambiraj, I Collins, B Boszczyk**

Is There a Difference in Shape of the Endplates in Sagittal Plane? A Morphometric Study of the Lumbosacral Spine

North American Spine Society Annual Meeting

October 2010 Orlando USA

**B Boszczyk, S Corbett**

Nottingham ORP Course – Chairman  
Nottingham UK October 2010

**B Boszczyk, F Kandziora**

AOSpine Complications Management Course – Chairman  
Strasbourg France September 2010

**B Boszczyk**

Functional anatomy of the mammalian spine: The facet joint  
Biospine 3 Amsterdam Netherlands September 2010

**B Boszczyk**

Tumour and deformity Masters Course presentations  
AOSpine Masters Course Palermo Italy June 2010

**Rathnam O. Sundaram, Phillip Saville, Shah Jehan, Bronek Boszczyk**

Trans-Sacroiliac S1 and S2 Screws: Is There a Safe Surgical Corridor for  
Percutaneous Placement of Trans-Sacroiliac S1 and S2 Screws?

North American Spine Society Annual Meeting

October 2010 Orlando USA

British Association of Spine Surgeons Annual Meeting Liverpool April 2010

**S Jehan, B Boszczyk, S Elsayed, J webb, S Thambiraj**

Successful L5-S1 disc replacement after two previous fusion surgeries for  
scoliosis.

British Association of Spine Surgeons Annual Meeting Liverpool April 2010

**J A Clamp, E Bayley, B M Boszczyk**

Fluoroscopy guided percutaneous access to the thoracic spine – a safe approach

British Association of Spine Surgeons Annual Meeting Liverpool April 2010

**S Jehan, B Boszczyk, Bierschneider & Schmid, Grillhösl A, Kleinschmidt M,  
Jaksche H**

Kyphoplasty for Lytic tumours of the spine: Follow up of 13 cases from procedure  
until death

British Association of Spine Surgeons Annual Meeting Liverpool April 2010

**B Boszczyk**

History of thoracolumbar fusion

DGNC meeting April 2010 Garmisch Partenkirchen Germany

**N A Quraishi**

Metastatic Spine Cord Compression, NCAT meeting

Co-chairman for Workshops, Birmingham, November 2010

**N A Quraishi**

Cadaveric Demonstration of Thoracoscopic Spinal Surgery  
Course Chairman, *B Braun*, Anatomy department, Nottingham, October 2010

**N A Quraishi**

Cadaveric Demonstration of the Osseofix System  
Course Chairman, *Alphatec*, Anatomy department, Nottingham, October 2010

**N A Quraishi**

Balloon Kyphoplasty User Group Meeting,  
Course Chairman, *Medtronic*, Birmingham, September 2010

**N A Quraishi**

Anterior Exposures Course in Cervical and Lumbar Spinal Surgery  
Course Co-chairman (with Mike Grevitt), *Synthes cadaveric exposures course*,  
Nottingham, June 2010

**N A Quraishi, S Elsayed**

The Timing of Surgery in Metastatic Spine Cord Compression  
*North American Spine Society*, Florida, Orlando, USA, September 2010

**N A Quraishi**

Minimal Access Surgery in Spinal Fracture Stabilisation,  
Course chairman, *Medtronic/Kyphon cadaveric course*, Nottingham, June 2010

**N A Quraishi, I Potter**

Litigation in Spine Surgery – Analysis of 10 years data from the NHSLA, Podium  
presentation at *Britspine*, Liverpool, April 2010

**S Elsayed, N A Quraishi**

The Effect of Timing of Decompression and Stabilisation Surgery on Recovery in  
Patients with Metastatic Spinal Cord Compression (MSCC)  
Podium presentation at *Britspine*, Liverpool, April 2010

**S Elsayed, N A Quraishi**

The Revised Tokuhashi Score and Survival in Patients with Metastatic Spinal  
Disease  
Poster presentation at *Britspine*, Liverpool, April 2010

**S Elsayed, N A Quraishi**

Experience of a Spine Fellowship : A qualitative analysis  
Poster presentation at *Britspine*, Liverpool, April 2010

**R Ahluwalia, N A Quraishi, S P F Hughes**

Reinventing the Community Back pain Clinic: Interim Results from a novel  
Community MDT assessment  
Podium presentation at *Britspine*, Liverpool, April 2010

**N A Quraishi**

Minimal Access Surgery in Spinal Oncology  
DePuy breakout session lecture at *Britspine*, Liverpool, April 2010

**N A Quraishi**

**Primary Spinal Tumours**

Oral presentation and chairman on 'Management of Spinal Tumours,' Cambridge  
SpR Teaching, March 2010

**N A Quraishi**

**Spinal Imaging**

Oral presentation at *AOSpine meeting in Degeneration, Deformity and Tumours  
in Spine*, Sheffield, March 2010

**N A Quraishi**

**NICE guidelines in MSCC**

Oral presentation at *AOSpine meeting in Degeneration, Deformity and Tumours  
in Spine*, Sheffield, March 2010

**N A Quraishi**

**Management of Acute Spinal Cord Injury**

Session Chairman, *AOSpine meeting in Degeneration, Deformity and Tumours in  
Spine*, Sheffield, March 2010

**N A Quraishi**

**Minimal Access Techniques in Spine Surgery/Cadaveric dissections**

Course Chairman, Launch of Osseoplasty, *Osseon*, Nottingham, February 2010