

April 2011 – April 2012 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:	747
Follow-up complex and deformity patients:	1660
New general patients:	3725
Follow-up general patients:	6578

Spinal Inpatients:

Day case admissions:	2112
Elective admissions:	834
Non-elective admissions:	583

Surgical cases performed by category:

Open degeneration cases:	570
Open deformity cases:	154
Open trauma cases:	40
Open tumour cases:	32
Min invasive trauma and tumour cases:	74
Miscellaneous cases:	159
<i>Total:</i>	<i>1029</i>

Medical Team:

Full-time Consultants:	7
Part-time Consultants:	2
Registrar:	1
Spinal Fellows:	6
Research Fellows:	4
Overseas Fellows:	2
Senior House Officers:	3

Academic Activity:

PUBLICATIONS:

Comparison of three types of lumbar osteotomy for ankylosing spondylitis: a case series and evolution of a safe technique for instrumented reduction.

Arun R, Dabke HV, Mehdian H.

Eur Spine J. 2011 Dec;20(12):2252-60. Epub 2011 Jul 29.

Validation of the SRS-Schwab Adult Deformity Classification.

Ungar B, Schwab F, Lafaage V, Blondel B, Buchowski J, Coe J, Deinlein D, Dewald C, Mehdian H, Shaffrey C, Tribus C.

Spine Nonember 2011(ahead of publication)

Reviewer's comment concerning "Posterior transdural discectomy: a new approach for the removal of a central thoracic disc herniation."

(doi:10.1007/s00586-011-1990-4 by H.M. Coppes et al.)

Mehdian SM.

Eur Spine J. 2011 Sep 9.

A new three-stage spinal shortening procedure for reduction of severe adolescent isthmic spondylolisthesis: a case series with medium- to long-term follow-up.

Mehdian SH, Arun R

Spine (Phila Pa 1976). 2011 May15;36(11):E705-11

Low back pain in Iran: a growing need to adapt and implement evidence-based practice in developing countries..

Mousavi SJ, Akbari ME, Mehdian H, Mobini B, Montazeri A, Akbarnia B, Parnianpour M

Spine (Phila Pa 1976). 2011 May 1;36(10):E638

A safe controlled instrumented reduction technique for cervical osteotomy in ankylosing spondylitis.

Mehdian S, Arun R

Spine (Phila Pa 1976). 2011 Apr 20;36(9):715-20

Spinal Deformity Correction in Duchene Muscular Dystrophy (DMD): Comparing the Outcome of Two Instrumentation Techniques

Debnath UK, Mehdi SM, Webb JK.

Asian Spine J. 2011 Mar;5(1):43-50. Epub 2011 Mar 2

Transient bilateral post-operative visual loss in spinal surgery.

Quraishi NA, Wolinsky JP, Gokaslan ZL.

Eur Spine J. 2011 Dec 15. [Epub ahead of print]

[A traumatic, high-energy and unstable fracture of the C5 vertebra managed with kyphoplasty: a previously unreported case.](#)

Quraishi NA, Elsayed S.

Eur Spine J. 2011 Oct 20(10): 1589-92

Minimal-invasive Percutaneous Reduction and Transsacral Screw Fixation for U-shaped Fractures.

König MA, Seidel U, Heini P, Orlor R, Quraishi NA, Boszczyk AA, Boszczyk BM.

J Spinal Disord Tech. 2011 Sep 28. [Epub ahead of print]

[Transforaminal injection of corticosteroids for lumbar radiculopathy: systematic review and meta-analysis](#)

Quraishi NA.

Eur Spine J. 2011 Sep 4 [Epub ahead of print]

[Metastatic spinal cord compression](#)

Quraishi NA, Esler C.

British Medical Journal ;2011 Apr 27;342-344

Congenital kypho-scoliosis: a case of thoracic insufficiency syndrome and the limitations of treatment.

Chatterjee AD, Hassan K, Grevitt MP.

Eur Spine J. 2011 Nov 3. [Epub ahead of print]

Factors Predictive of Curve Progression & Timing of Definitive Fusion in Early Onset Scoliosis (EOS) treated by Growing Rod (GR) Construct

Harshavardhana N, Debnath U, Grevitt M, Mehdi H, Thambiraj S, Freeman B, Webb J.

J Bone Joint Surg [Br] Supplement III 2011;281

Claustrophobia: A Proxy For Psychological Distress in Patients With Back Pain.

Kerr HL, Dabke HV, Collins IE, Grevitt M J

Spinal Disord Tech. 2011 Jun 1. [Epub ahead of print]

Surgical management of U-shaped sacral fractures: a systematic review of current treatment strategies.

König MA, Jehan S, Boszczyk AA, Boszczyk BM.

Eur Spine J. 2011 Dec 23.

The routine intra-operative use of pulse oximetry for monitoring can prevent severe thromboembolic complications in anterior surgery.

König MA, Leung Y, Jürgens S, MacSweeney S, Boszczyk BM.

Eur Spine J. 2011 Dec;20(12):2097-102.

Intravertebral neotrabecularization as an expression of focal load transfer by a keel-design lumbar total disc arthroplasty.

Birkenmaier C, Boszczyk B, Baur-Melnyk A, Wegener B, Jansson V.

Arch Orthop Trauma Surg. 2011 Nov;131(11):1481-4.

Freehand determination of the trajectory angle for cervical lateral mass screws: how accurate is it?

Pal D, Bayley E, Magaji SA, Boszczyk BM.

Eur Spine J. 2011 Jun;20(6):972-6.

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

Jehan S, Elsayed S, Webb J, Boszczyk B.

Eur Spine J. 2011 May;20(5):669-73.

A case of craniocervical abscess with sinus thrombosis in Lemierres syndrome.

Price K, Wilson L, Tsegaye M.

Br J Neurosurg. 2011 Nov 11. [Epub ahead of print]

PRESENTATIONS:

H Mehdian. Iraninan Orthopaedic Association Meeting; Management of Cervical and Thoracolumbar Fractures, Spinal Exposures 17-21 October, 2011

H Mehdian. Early Onset Neuromuscular Scoliosis Oxford Early Onset Scoliosis Course; 8-9 September 2011

H Mehdian. Osteotomy in Ankylosing Spondylitis; Hibbs Society Meeting, SRS meeting 14-17 September 2011

H Mehdian. AOSpine and Scoliosis Research "Scoli-Risk-1" IMAST Meeting Invited UK Investigator of the Study Copenhagen July 13-16, 2011,

Hossein Mehdian, David Copas, J Mehta. Analysis of Sagittal Alignment Correction in Ankylosing Spondylitis Using Three Different Osteotomy Techniques. Poster Presentation at IMAST Meeting Copenhagen July 13-16, 2011

Hossein Mehdian. Different Osteotomy Techniques. . Poster Presentation at IMAST Meeting Copenhagen July 13-16, 2011

Hossein Mehdian, R Arun ,David Copas, J Mehta; Comparison of Clinical and Radiological Outcomes of Three Surgical Techniques in Scheuermann's Kyphosis. Poster presentation at IMAST Meeting Copenhagen July 13-16, 2011

Hossein Mehdian, David Copas, J Mehta; Radiological Outcomes of Segmental Pedicle Screw Fixation in Spinal Deformity Surgery. Presented at the IMAST Meeting Copenhagen July 13-16, 2011

H Mehdian. Anterior Exposures Course in Cervical and Lumbar Spinal Surgery ; Synthes cadaveric exposures course, Nottingham, June 2011

H Mehdian. Ateih Hospital, Invited Surgeon Tehran-Iran; 8-13 April 2011

N A Quraishi

Quality of Life and Functional Outcome after Surgery for Metastatic Spinal Cord Compression

Invited lecture, *NCAT/3rd Annual MSCC Conference*, Birmingham, November 2011; Chairman for workshops

N A Quraishi, K Giannoulis

Metastatic Tumours of the Lumbo-sacral Junction and Sacral Spine
Podium presentation at *BASS*, Edinburgh, February 2011
Podium presentation at *NASS*, Chicago, November 2011

N A Quraishi

East Midlands Cancer Group/Network Site for MSCC
Chair
November 2011

N A Quraishi, S Purushamtadas, Y Archalov, K Giannoulis

Does the Grade of Epidural Cord Compression correlate with Neurological recovery following Surgery for Metastatic Spinal Cord Compression ?
Podium presentation, *Charite Spinal Tumour symposium*, Berlin, March 2011
Podium presentation, *IMAST*, Copenhagen, July 2011
Podium presentation, *NASS*, Chicago, November 2011

N A Quraishi

The Spine and Basic Science
Invited speaker at the '*Nottingham Basic Science Course for the FRCS (Tr & Orth)*'/ Viva voce examiner
Nottingham, September 2011

N A Quraishi, N Hunt, T Rajagopal

Surgical Site Infection following Surgery for Metastatic Spinal Cord Compression
Podium presentation, *Charite Spinal Tumour symposium*, Berlin, March 2011
Podium presentation, *IMAST*, Copenhagen, July 2011

K Giannoulis, S Elsayed, N A Quraishi

The Revised Tokuhashi Score and Survival in Patients with Metastatic Spinal Disease
Poster presentation at *Britspine*, Liverpool, April 2010
Podium presentation at *IMAST*, Copenhagen, July 2011

N A Quraishi

Anterior Exposures Course in Cervical and Lumbar Spinal Surgery
Course chairman
Synthes cadaveric exposures course, Nottingham, June 2011

N A Quraishi

Minimally Invasive Techniques in the Management of Osteoporotic Vertebral Compression Fractures
Invited Lecture, *British Geriatric Society*, Liverpool, May 2011

N A Quraishi

Current Concepts in the Surgical Treatment of MSCC
Chairman/Invited speaker

'North West Region Specialist Registrar's symposium.' Preston, February 2011

N A Quraishi, S Thambiraj

Intra-operative Localisation of Thoracic Spine Level: A Simple 'K Wire' in Pedicle Technique

Podium presentation at BASS, Edinburgh, February 2011

N A Quraishi, K Giannoulis, D Copas

Timing of Radiological Diagnosis and Surgical Intervention in Patients with Metastatic Spinal Cord Compression

Podium presentation at BASS, Edinburgh, February 2011

N A Quraishi, S Kurtz, K Ong, E Lau

Comparison of Mortality Risk in Operated (Vertebroplasty or Balloon Kyphoplasty) Versus Non-operated Patients: 410,965 Vertebral Fracture Patients of the US Medicare Population

Podium presentation at BASS, Edinburgh, February 2011

M Grevitt

AOSpine—Davos Courses 2011 Davos, Switzerland Dec 2011

M Grevitt

AOSpine Solutions for Complex and Controversial Cases (COA Congress Pre Meeting) 01 Dec 2011 Beijing, China

M Grevitt

AOSpine Masters Convention—Trauma and Infection of the Spine
16 Jun 2011 Istanbul, Turkey

M Grevitt

AOSpine Advances Symposium—Deformed Spine 13 May 2011
Portomaso, Malta

M Grevitt

AOSpine Symposium: De la biomecanica a la terapeutica: Trauma y Degenerativo 02 Jun 2011 Puerto Varas, Chile

M.A. König, S. Panzer, M. Bierschneider, B.M. Boszczyk

Bandscheibenveränderungen in der MRT-Bildgebung nach Zementaugmentation

German Spine Society (DWG) meeting Hamburg December 2011

M.A. König, S. Milz, A.A. Boszczyk, B.M. Boszczyk

Direkter anteriorer Zugang zum Thorakolumbalen Übergang – eine anatomische Studie

German Spine Society (DWG) meeting Hamburg December 2011

www.nottinghamspine.co.uk

M.A. König, G. Balamurali, B.M. Boszczyk

Minithorakotomie für die Behandlung von großen thorakalen Bandscheibenvorfällen

German Spine Society (DWG) meeting Hamburg December 2011

M.A. König, G. Balamurali, S. Badhe, B.M. Boszczyk

Anteriore Chirurgie Für Rekonstruktionen der lumbalen Wirbelsäule in einem älteren Patientenkollektiv

German Spine Society (DWG) meeting Hamburg December 2011

B. Boszczyk

Vertebroplasty debate

Annual meeting Society Back Pain Research. Cambridge November 2011

MA König, S. Panzer, J. Schulz, M. Bierschneider, H. Jaksche

MRI changes of intervertebral discs after cement augmentation

Eurospine. Milan October 2011

G. Balamurali, B. Boszczyk, M. König

Adjacent level cervical disc revision using new Zero-P cage device – technique and outcomes

Eurospine. Milan October 2011

B. Boszczyk

Chair: SSE Symposium on thoracic myelopathy

Eurospine. Milan October 2011

B. Boszczyk

Management of giant thoracic disc herniation

SSE Symposium on thoracic myelopathy

Eurospine. Milan October 2011

B. Boszczyk

Haemostasis in Spinal Surgery

Baxter symposium Eurospine Milan October 2011

B. Boszczyk

Chair: AOSpine Complications Management Course

Strasbourg September 2011

B. Boszczyk

Presentation causes and natural history of thoracic myelopathy

Specific challenges of congenital and foraminal stenosis

Dysraphic conditions and AVM (Boszczyk & Balamurali)

Failed back

Eurospine Foundation Instructional Course Nottingham April 2011

B Boszczyk

Disc changes after kyphoplasty

Aging spine Alphatech Symposium Jerusalem Israel March 2011

S Thambiraj, M König, B Boszczyk

A Novel "Pelvic Ring Augmentation Construct" for Lumbo-pelvic Reconstruction in Tumour Surgery

British Association of Spine Surgeons Annual Meeting Edinburgh February 2011

Charite Thoracolumbar Spine Tumour Meeting Berlin May 2011

G Balamurali, M Konig, B Boszczyk

Surgical Management of Giant Thoracic Discs with Mini-Thoracotomy

British Association of Spine Surgeons Annual Meeting Edinburgh February 2011

MA König, F V Ebrahimi, G Balamurali, BM Boszczyk

Early Results of Stand-alone Anterior Interbody Fusion in Iatrogenic Spondylolisthesis Patients

British Association of Spine Surgeons Annual Meeting Edinburgh February 2011

MA König, G Balamurali, S Badhe, BM Boszczyk

Anterior Lumbar Surgery in Senior Patients for Complex Reconstructions of the Spine

British Association of Spine Surgeons Annual Meeting Edinburgh February 2011

S Thambiraj, B Boszczyk

Asymmetric Osteotomy of the Spine for Coronal Imbalance

British Association of Spine Surgeons Annual Meeting Edinburgh February 2011

MA König, G Balamurali, F V Ebrahimi, M P Grevitt, H Mehdian, B M Boszczyk

Is it safe to use long screws in L5/S1 stand alone anterior interbody fusion? A review of 38 patients

British Association of Spine Surgeons Annual Meeting Edinburgh February 2011

C Quah, M S Yeoman, A Cizinauskas, K Cooper, M A König, D McNally, B M Boszczyk

Finite Element Investigation of the Effect of Spina Bifida on Loading of the Vertebral Isthmus

British Association of Spine Surgeons Annual Meeting Edinburgh February 2011

M A König, S Jehan, G Balamurali, U Seidel, P Heini, B M Boszczyk
Percutaneous Reduction and Minimal-invasive Trans-sacral Screw Fixation in
U-Shaped Fractures of the Sacrum
British Association of Spine Surgeons Annual Meeting Edinburgh February
2011

G Balamurali, M König, B Boszczyk
Adjacent Level Cervical Disc Revision Using New Zero-P Cage Device –
Technique and Outcomes
British Association of Spine Surgeons Annual Meeting Edinburgh February
2011

B. Boszczyk
Incidental durotomy and CSF fistula management
Approach related complications of the cervical spine
Revision cervical disc surgery
Recurrent neck pain
Cervical kyphosis
Eurospine Foundation Instructional Course Vienna January 2011