RESEARCH APPROVED ETHICS / R&D APPLICATIONS/ GRANTS

1. A prospective randomised trial: Femoral ring allograft versus a titanium cage in circumferential lumbar spinal fusion.
R&D ID OR 059844 Commercial Grant Synthes

2. An international, multicentre, prospective, non-comparative post-marketing surveillance to evaluate the use of IDET for chronic discogenic low back pain.
R&D ID OR 050101
Commercial Grant DePuy 2001 £3600

3. Driver Reaction Time before and after Treatment For Lumbar Radiculopathy.
R&D ID Q2404/155 2005 & QOR080502

4. A Multi-Centre, Prospective, Non-Comparative Post-Marketing Surveillance Study to Evaluate the Safety and Performance of the Memory Metal Spinal System used in conjunction with the Brantigan IF® Cage in the Treatment of Spondylolisthesis, Symptomatic Spinal Stenosis or Degenerative Disc Disease.
R&D ID Q2030301.
Commercial grant DePuy 2004-7 £6000


6. A Post-marketing study to evaluate the Expedium Memory Metal Spine System in the treatment of Thoracic Adolescent Idiopathic Scoliosis. MREC 09/H0903/4. Multicentre (Europe, USA) perspective study – Lead Investigator. August 2009 08OR002

CURRENT & ON-GOING COLLABORATIONS

1. Professor A Veldhuizen, University of Groningen. Study of the safety of the Memory Metal System in Low Back Fusion (paper submitted to Spine)

2. Professor K Klaxton, York Health Econmics Unit, University of York. Cost-utility analysis of IDET compared to Spinal Fusion (paper submitted to Spine)

3. Professor Tomas Paus, Brain & Body Centre, Nottingham University. MRmorphometric difference in brains of adolescents with AIS vs. normals

4. Emeritus Professor Geoffrey Burwell, University of Nottingham, Dr T Randell, Consultant Paediatrician, QMC. Leptin, asymmetric bone growth, pathogenesis of adolescent idiopathic scoliosis (AIS).

5. Professor Klaus Karstens, Heidelberg University, Germany; Dr Paco Sanchez,
University of Madrid, Spain; Mr Brad Willimason, Hope Hospital, Manchester; Dr Peter Newton, San Diego University; Dr Suken Shah, Wilmington Delaware; Dr Barron Lonner, Hospital ofr Special Surgery, New York USA.

Study to evaluate the Expedium Memory Metal Spine System in the treatment of Thoracic Adolescent Idiopathic Scoliosis

6. Dr Susan Anderson, Chief Experimental Officer Head of Advanced Microscopy, University of Nottingham, School of Biomedical Sciences. Leptin & neuro-peptide receptor in human spinal cartilaginous growth plates.

7. Marie Smith PhD thesis (clinical supervisor): Leptin & neuro-peptide receptor in human spinal cartilaginous growth plates. In conjunction with: Dr Susan Anderson, Chief Experimental Officer Head of Advanced Microscopy University of Nottingham, School of Biomedical Sciences.

8. Paul Rushton MSc dissertation (honorary clinical tutor University of Edinburgh); Patient reported outcomes in the surgical management of adolescent idiopathic scoliosis

9. Professor Jeremy Fairbank (Pirinciple investigator)
Long term Follow-up (> 10 years) of patients with chronic low back pain from 3 trails comparing fusion and non-operative care. Is adjacent segment disc degeneration (ASDD) more likely in patients treated with fusion? (MREC 11RH003)

PUBLICATIONS


5. Grevitt MP. Treatment of fractures of the tibial shaft with interfragmentary screws and external fixation. J. R. Army Med Corps 1992;138:33


17. Kothari P, Niemeyer T, Grevitt MP. Outcome of low back pain in general practice. Use of disease specific questionnaire may have influenced results BMJ. 1998;317(7165):1083-4 (letter)


27. **Jones A; Clarke A; Freeman B; Lam K; Grevitt MP** The Modic Classification: Interand Intraobserver Error in Clinical Practice. Spine. 30(16):1867-1869, August 15, 2005.


33. **A Al-khayer, MP Grevitt.**

34. **Behensky H, Cole A, Freeman B, Grevitt MP, Mehdian SHM, Webb JK.**
Fixed lumbar apical vertebral rotation predicts spinal decompensation in lenke type 3c adolescent idiopathic scoliosis after selective posterior thoracic correction and fusion.
Eur Spine J. 2007 May 23:;

35. **Andrews J, Clamp J, Grevitt M.**
Radiological predictors of curve flexibility in adolescent idiopathic scoliosis.
J Spinal Disord Tech. 2008 May;21(3):213-215

36. **Al-Khayer A, Grevitt MP, Hahn D.**
Percutaneous sacroiliac joint arthrodesis: a novel technique.

37. **Al-Khayer A, Grevitt MP.**
The Sacroiliac Joint; An Underestimated Cause For Low Back Pain.

38. **McCarthy M, Grevitt MP, Hobbs G.**
The Vernon-Mior neck disability questionnaire.

39. **Al-Khayer A, Grevitt MP, Kruszewski G etc**
Driver brake reaction time after treatment of sciatica.

40. **Burwell RG, Aujla RK, Grevitt MP, Dangerfield PH, Moulton A, Randell TL, Anderson SI:**
Pathogenesis of adolescent idiopathic scoliosis in girls. A double neuroosseous 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.
Scoliosis, 2009 Oct 31;4:24

41. **Grevitt M, Kamath V, Avadhani A, Rajasekaran S.**
Correction of thoracic kyphosis with Ponte osteotomy.

42. **Salem KM, Grevitt MP.**
A bilateral C7 pedicle fracture following a low energy injury.

43. **Salem KM, Grevitt MP.**
A bilateral C7 pedicle fracture following a low energy injury.


46. Sanchez Perez-Grueso FJ
Expert's comment concerning Grand Rounds case entitled "Congenital kypho-scoliosis: a case of Thoracic Insufficiency Syndrome and the limitations of treatment" (by A.D. Chatterjee, K. Hassan and M.P. Grevitt).
PMID: 22083837 [PubMed - as supplied by publisher]


49. Grevitt, M.
European Spine Journal,03/2012; DOI:10.1007/s00586-012-2200-8

BOOK CHAPTERS


3. McClellan J, Grevitt MP, Webb JK.

4. Wild A, Grevitt M, Webb J.

5. J. Clamp, M. Grevitt

6. S. Jurgens, M. Grevitt

BOOK REVIEWS


PRESENTATIONS

1. Grevitt MP, MacDonald R.
Clinical presentations of osteoid osteoma. XII Annual Defence Medical Services Surgical meeting, DMSRU Headley Court, 1988

2. Grevitt MP, Henderson NJ, Pool CJF.
Management of sciatica in the community. Central Orthopaedic Club, Milton Keynes, 1991

3. Grevitt MP, Henderson NJ.

4. Grevitt MP, Pool CJF, Bodley R, Savage P.
Magnetic resonance imaging of the knee - initial experience in a district general hospital. Central Orthopaedic Club, Oxford, 1991 also read at: British Association for Surgery of the Knee, Autumn meeting, Leicester 1991


USS instrumented posterior fusion of lumbo-sacral degenerative spine: a 2 year functional outcome. 2nd Combined Meeting of the BOA & Affiliated Societies, Brighton, 1996.


29. **N Farooq, M Grevitt.** Does size matter? A comparison of open vs balloon assisted mini-ALIF. Britspine, Birmingham February 2002


32. **BJC Freeman, DK Sengupta, Grevitt M et al.** Combined SEP and MEP spinal cord monitoring in spinal surgery, Eurospine 2002, Nantes


42. McCarthy M, Jones A, Brodie A, Grevitt M, Annesley-Williams D. The reproducibility of MRI measurements in cauda equina syndrome BASS meeting, Aberdeen Jan 2005

43. McCarthy M, Grevitt M, Hobbs G. Validity of the Neck Pain Disability Questionnaire BASS meeting, Aberdeen Jan 2005 also presented at: Eurospine 2005, Barcelona


59. **Chinwalla F, Shafafy M, Nagaria J, Grevitt MP.** Outcomes of lumbar decompression for spinal stenosis in the elderly. BOA meeting, Manchester Sept 2007

60. **Shafafy M, Grevitt M, Webb JK.** High grade Spondylolisthesis; gradual reduction using Magerl external fixator followed by circumferential fusion. Efficay & outcomes. British Association of Spine Surgeons, Middlesborough, Sep 2007


62. **NS Harshavardhana, UK Debnath, SMH Mehidian, HV Dabke, BM Boszczyk, MP Grevitt.** Do radiographic determinants affect the functional outcome following C1/2 arthrodesis? Britspine 2008, Belfast May 2008


Definitive spinal fusion for congenital scoliosis: long term results with a 
minimum of 10 years follow-up. British Scoliosis Society, London Sep 2008

68. Harshavardhana N, Debnath U, Burwell G, Grevitt M, Mehdian H, 
Thambiraj S, Webb J. 
Timing of definitive fusion in early onset scoliosis treated by growing rod 
construct – a retrospective study with a minimum follow-up of 13 years. 
British Scoliosis Society, London Sep 2008

69. Debnath UK, Harshavardhana NS, Hegarty J, Grevitt MP, Mehdian 
SMH, Webb JK et al 
Timing of definitive fusion for congenital scoliosis (CS): Long-term results with 
minimum follow-up of 10 yrs; proceedings of 2nd International Congress on 
Early Onset Scoliosis (ICEOS) 2008.

70. Harshavardhana N, Debnath U, Grevitt M, Mehdian H, Thambiraj S, 
Freeman B, Webb J. 
Two decade results in surgical management of congenital scoliosis. Pediatric 
Orthopaedic Society of North America (POSNA) annual meeting, Boston, MA, 
USA, April 2009.

71. Harshavardhana N, Debnath U, Grevitt M, Mehdian H, Thambiraj S, 
Freeman B, Webb J. 
Factors predictive of curve progression and timing of definitive fusion for early 
onset scoliosis with minimum follow-up of 13 years. 
Pediatric Orthopaedic Society of North America (POSNA) annual meeting, 
Boston, MA, USA, April 2009.

72. Harshavardhana N, Debnath U, Grevitt M, Mehdian H, Thambiraj S, 
Freeman B, Webb J. 
Factors Predictive of Curve Progression & Timing of Definitive Fusion in Early 
Onset Scoliosis (EOS) treated by Growing Rod (GR) Construct Canadian 
orthopaedic association (COA) annual meeting, whistler, BC, Canada, July 
2009.

73. U K Debnath, S Shobaki, J Lewis, J Hegarty, BJC Freeman, MP 
Grevitt, SMH Mehdian, JK Webb. 
A Prospective Outcome Analysis of Artificial Disc Replacement Versus 
Anterior Interbody Fusion in single level Symptomatic L5/S1 Degenerative 
Disc Disease Spine Arthroplasty Society meeting, May 2009 London

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

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

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

78. 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

79. Grevitt MP, Clamp JA, Andrews JR.

POSTERS


2. Grevitt MP, Khazim R, Webb JK, Mulholland RCM.


5. B J C Freeman, J R McConnell, M Grevitt, H Prince, R Mulholland, J K Webb
A prospective randomised comparison of coralline hydroxyapatite with autograft in cervical interbody fusion.
British Orthopaedic Association Congress, Cardiff, 18-20 September, 2002

6. K Lam, Y Leung, B J C Freeman, S H Mehdian, M P Grevitt, J K Webb
A prospective randomised trial comparing femoral ring allograft versus suncage for circumferential spinal fusion. ISSLS 30th Annual Meeting, Vancouver, Canada. May 13-17, 2003

7. U K Debnath, B J C Freeman, D P Tokala, M P Grevitt, J K Webb
Symptomatic unilateral lumbar spondylolysis. ISSLS 31st Meeting, SpineWeek 2004, Porto, Portugal, 30 May-5 June, 2004

8. D K Sengupta, B J C Freeman, M P Grevitt, S H Mehdian, J K Webb
Determinants of definitive surgery in adolescence after primary surgical treatment in the early onset of idiopathic scoliosis using the Luque-Trolley growing rod construct. ISSLS 31st Meeting, SpineWeek 2004, Porto, Portugal, 30 May-5 June, 2004


10. P J McKenna, J Hegarty, B J C Freeman, M P Grevitt
A comparison of cost and outcome at one year between Intradiscal Electrothermal Therapy and Fusion of a single level in the Lumbar Spine. The Society for Back Pain Research AGM, Leicester, UK 4-5 November 2004

11. R Watkins, N Hussain, B J C Freeman, M Grevitt, J K Webb
What factors determine coronal and sagittal balance following anterior instrumentation of thoracolumbar adolescent idiopathic scoliosis. Eurospine 2005 (poster) Sept 2005

12. D K Sengupta, B J C Freeman, M P Grevitt, S H Mehdian, J K Webb
Long-Term follow-up study of Luque-trolley growing rod construct in the surgical treatment of early-onset idiopathic scoliosis. ISSLS 32nd Annual Meeting, New York, USA 10-14 May 2005

13. M McCarthy, A Brodie, C Aylott, A Jones, D Annesley-Williams, M Grevitt, B J C Freeman
MRI measurements in cauda equina syndrome: reproducibility and prediction of clinical outcome. ISSLS 32nd Annual Meeting, New York, USA 10-14 May 2005
Cauda equine syndrome: Factors affecting the outcome of 42 patients with a mean follow-up of 5 years. ISSLS 32nd Annual Meeting, New York, USA 10-14 May 2005


Do structural interbody grafts preserve sagittal alignment better than morselized rib autograft in anterior instrumentation of the thoraco-lumbar adolescent idiopathic scoliosis?  

17. R Watkins, N Hussain, B J C Freeman, M P Grevitt, J K Webb  
What factors determine coronal and sagittal balance following anterior instrumentation of thoracolumbar adolescent idiopathic scoliosis?  


A nonrandomized prospective comparison of lumbar total disc replacement and stand alone lumbar interbody fusion ISSLS 33rd Annual Meeting June 13-17, 2006 Bergen, Norway

20. Shafafy M, Grevitt M, Webb JK.  
High grade Spondylolisthesis; gradual reduction using Magerl external fixator followed by circumferential fusion. Efficay & outcomes.  
Eurospine 2007

21. Chinwalla F, Shafafy M, Nagaria J, Grevitt MP.  
Outcomes of lumbar decompression for spinal stenosis in the elderly.  
Eurospine 2007

Lumbar spine decompression in the elderly; too much. Too late? A comparison of outcomes.  
Spineweek Geneva May 2008
Driver reaction time before and after treatment for lumbar radiculopathy. Spineweek Geneva May 2008

24. Chinwalla F, Grevitt M.
Detection of metal implants by airport metal detectors. Spineweek Geneva May 2008

25. Dabke H, Kerr HL, Collins I, Grevitt M.

Coding issues in Spinal surgery – A tertiary Centre perspective. BritSpine 2008

27. Harshavardhana NS, Freeman BJF, Debnath UK, Dabke HV, Grevitt MP;
Validation of Capasso’s method against standard measurement tools in evaluation of Cobb angle for Scoliosis: BritSpine 2008

28. Harshavardhana NS, Debnath UK, Dake HV, Mehdian SMH, Grevitt MP
Do radiological determinants affect functional outcome following C1-C2 arthrodesis –15th International meeting on advanced spinal techniques (IMAST) proceedings.

29. Debnath UK, Harshavardhana NS, Mehdian SMH, Grevitt MP, Burwell GR, Webb JK
Long-term results with minimum follow-up of 10 yrs following surgical management of early-onset scoliosis (EOS) 2nd International congress on early onset scoliosis, 2008.

30. Harshavardhana NS, Grevitt MP, Webb JK
Four decade results following surgical management of congenital scoliosis (CS): A UK experience of 2 cases 2nd International congress on early onset scoliosis, 2008.

31. Harshavardhana NS, Debnath UK, Dake HV, Mehdian SMH, Grevitt MP
Correlation of functional outcomes with radiological parameters following C1-C2 arthrodesis for non-RA pathologies Cervical spine research society (CSRS), Dec 2008.

INVITED LECTURES (National & International)


3. Thoracoscopic Spine Surgery, 4as Jornadas Hospital CUF, Video Cirurgia Novas Orientações-Novas Fronteiras, Lisbon, June 1998


9. Management of Scoliosis. Yoga Biomedical Trust, Royal Homeopathic Hospital, London February 1999

10. Anterior vs Posterior approach in thoracolumbar fractures. AO Comprehensive Spine course, Nottingham, September 1999


22. Endoscopic spine surgery,


26. Spondylolisthesis & scoliosis. 2nd Birmingham Orthopaedic Paediatric course. October 2002

27. Management of scoliosis in cerebral palsy. Society for Surgery in Cerebral Palsy, Nottingham, November 2002


29. AO Principles of deformity & Complications, AO Deformity Forum, Napa USA, August 2003

30. ‘Why operate on scoliosis’ Scoliosis Association UK, Nottingham Sept 2003


32. Spondylolisthesis & scoliosis. 2nd Nottingham Orthopaedic Paediatric course. October 2003

33. IDET clinical results - 12th Hammersmith Spine Course, London Oct 2004
34. 1st European IDET Users meeting, Milan, April 2005

35. Evolution of posterolateral fusion; IDET; cervical osteotomy in Ankylosing spondylitis. ‘Passionate about Spines’ Chewton Glen, June 2005

36. Anterior access to the cervico-thoracic junction, anterior thoraco-lumbar access, & iatrogenic spinal cord ischaemia – the facts. 1st AO Spine Access & Complications course, Strasbourg Nov 2005

37. Spinal instability. BOA Instructional course, B’ham. Jan 2006

38. Assessment of thoracolumbar injuries. Instructional course, RSM London Feb 2007


40. Evidence for reduction of high grade spondylolisthesis. ‘Passionate about Spines’ June 2007, Brockett Hall, UK


43. 35th Nordic Spinal Deformities Society, Aalbork, Denmark August 2009

44. Do we need to fic thoraco-lumbar fractures. Edinburgh Trauma Symposium August 2009

45. AOSpine—Davos Courses 2011. Davos, Switzerland 11 Dec 2011

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

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


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


2. Advanced Course in Surgery, Whipp's Cross Hospital, London (awarded the course prize) August 1989


4. Course on External Fixation (Shearer), Southampton University Hospital. April 1990


8. AO/ASIF Basic Course, Queen's Medical Centre, Nottingham. September 1992


17. TIPS course, Nottingham, June 1999

18. ICLFS Conference & Symposium, Manchester, June 1999

19. IDET training & spinal needling course, San Francisco January 2000

21. Thoracoscopic approaches course, San Diego, August 2001

22. Eurospine 2003, Prague October 2003

23. SpineWeek, June 2004


**Faculty member:**


2. 4th AO North European Spine Course (Advanced), Nottingham, September 1996

3. AO Spine Course, Davos, December 1996

4. 5th AO North European Spine Course (Basic & Advanced), Nottingham, September 1997


6. Comprehensive Spine Course, Nottingham, September 1999


8. Thoracic spine surgery Masterclass, Royal College of Surgeons, May 2000


10. AO Advanced Trauma Course, Leeds July 2000


12. AO Comprehensive & Interactive Spine Courses, Nottingham September 2000

13. Birmingham Paediatric Orthopaedic Course, October 2000

14. AO Interactive Spine Course, Davos, Switzerland December 2000

15. Cadaver workshop; Dublin, September 2001

16. AO Interactive Spine Course, Davos, Switzerland December 2001

17. AO Lumbar spine course, Cancun, Mexico, June 2002
18. AO Spinal deformity Forum, Napa USA, August 2003
20. 1st Portugese Spinal Society meeting, Lisbon, June 2004
21. DePuy Passionate about Scoliosis seminar, Gleneagles, June 2004
23. 1st AO Spine Access & Complications course, Strasbourg Nov 2005
24. AOSpine Degenerative & Deformity courses, Davos Dec 2006
25. SSE Spinal deformity course, Barcelona Sep 2007
26. AOSpine Degenerative & Deformity courses, Davos Dec 2007
27. To fuse or not to Fuse? AOSpine Latin America, Santa Cruz, Chile May 2008
28. AOSpine Masters & Advances course Davos Dec 2008
30. AOSpine Advances course, Thessaloniki May 2009
32. Global Spine Congress, San Francisco June 2009

Course Chairman:

1. AO Masterclass symposium, Nottingham, September 2001
2. AO Masterclass symposium, Nottingham, September 2002
3. AO Spinal Forum, Nottingham, April 2003
5. AO Masterclass symposium, Nottingham, September 2003
6. AO ORP Deformity course, Nottingham, May 2004
7. AO Nottingham Masterclass, September 2004
8. BOA Instructional session, B’ham January 2005
9. Smith & Nephew IDET course, Nottingham February 2005
10. AO Nordic Spinal deformity meeting, Copenhagen April 2005
11. 1st AO Anglo-Iberian Spinal Deformity meeting, Marbella, May 2005
12. 1st AOSpine Egypt Spinal course. April 2006
13. 2nd AO Anglo-Iberian Spinal Deformity meeting, Marbella, May 2006
14. 3rd AO Anglo-Iberian Spinal Deformity meeting, Marbella, May 2007
15. Advanced instructional course, BOA meeting, Manchester, Sept 2007
16. IDET Instructional course, Nov 2007, Copenhagen
17. 4th AO Anglo-Iberian Spinal Deformity meeting, Marbella