

Mr. Khai Sing, LAM

B. Med. Sci, BM. BS, FRCS (Edin), FRCS (Orth)

- GMC - 3487383 • MDU - 251156F
- Date of birth: 31-Aug-1966
- Malaysian, UK resident

CURRENT APPOINTMENT

Jan 04 onwards Consultant Orthopaedic and Spinal Surgeon
Guys and St Thomas's Hospital NHS Trust
Guy's Hospital
1st Floor Thomas Guy House
St Thomas' Street
London.

FELLOWSHIPS and LOCUM

Apr 02 to Mar 03 Spine Fellowship
Messrs. B J Freeman, M P Grevitt, S H Mehdian, J K Webb
Centre for Spinal Studies and Surgery, University Hospital, Nottingham

May 7th to June 4th European Spine Travelling Fellowship (2003)

Jun 03 to Dec 03 Locum Consultant Spinal Surgeon (for Mr J W Webb)
Centre for Spinal Studies and Surgery, University Hospital, Nottingham

MEMBERSHIP AND TEACHING FACULTY

- 1) EUROPEAN SPINE PANEL (Sponsored by GICD, AO Foundation, European Spine Society, European and Neurosurgical Society and Medtronic)**
Member of prestigious panel of 8 under 40 year old surgeons formed as European opinion leaders on the future spinal surgery with direct links to the US study groups (deformity, low back and trauma). Our group will be involved in randomised studies, paper reviews, promote spine education as well as training of young spinal surgeons via 3 travelling fellowships of varying durations.
- 2) AO SPINE INTERNATIONAL FACULTY**
- 3) AO SPINE EUROPE FACULTY**
- 4) AO SPINE UNITED KINGDOM FACULTY**

PREVIOUS APPOINTMENTS

	Post FRCS(Ed) Training Centre for Spinal Studies and Surgery, University Hospital, Nottingham
Aug 94 to Feb 95	Senior House Officer Spinal Surgery
Jan 95 to Sept 95	Spinal Research Fellow to Prof. Robert C Mulholland
Oct 95 to Dec 97	Lecturer in Spinal Studies to Prof. Robert C Mulholland

HIGHER SURGICAL TRAINING

Mid-Trent Specialist Orthopaedic Programme

NOT/024/101/N

	University Hospital, Nottingham
Jan 98 to Mar 98	Mr E P Szypryt <i>Trauma, Lower limb arthroplasty</i>
Apr 98 to Sept 98	Miss B E Scammell/Mr A P Broodryk <i>Trauma, foot & ankle, lower limb and revision arthroplasty</i> King's Mill Hospital, Mansfield
Oct 98 to Mar 99	Mr P J Livesley <i>Trauma, paediatric orthopaedics, lower limb arthroplasty</i>
Apr 99 to Dec 99	Mr A Moulton <i>Trauma, paediatric & cerebral palsy orthopaedics, lower limb arthroplasty</i> Derbyshire Royal Infirmary
Jan 00 to June 00	Derby Hand Unit (Prof F D Burke) <i>Trauma & elective hand surgery, tendon transfer</i>
July 00 to Dec 00	Mr J Rowles <i>Trauma, lower limb & revision arthroplasty</i>
Jan 01 to June 01	Mr P J Lunn/Mr A P Henry <i>Trauma, upper limb, lower limb and foot & ankle surgery</i> University Hospital, Nottingham
July 01 to Dec 01	Mr B J Holdsworth <i>Trauma, upper and lower limb surgery</i>
Jan 02 to Mar 02	Mr C J Howell <i>Trauma, lower limb & revision arthroplasty</i>

EDUCATION

• B. Med. Sci. (Upper Second Class with Honours)	Nottingham	July	1988
• BM.BS	Nottingham	July	1990
• FRCS	Edinburgh	June	1994
• FRCS (Trauma and Orthopaedics)	Edinburgh	May	2001

CERTIFICATION

• Managing Ionizing Radiation		1990, 1997
• ECFMG (Day 2)		1991
• Basic Course in Laparoscopic Surgery	May	1996
• ATLS		1998
• CCST	Mar	2003
• Lumbar disc replacement (Prodisc L) - Montpellier	Oct	2003
• Vertebroplasty - St George's Hospital	8 May	2004
• Cervical disc replacement surgery (Prodisc C)	Jul	2004

- Kyphoplasty - Leiden (Kyphon)

6 Sept 2004

2004/05 COURSES ATTENDED

- Emerging Technologies (Medtronic, Bordeaux) 30 Sept - 1 Sept 2004

RESEARCH GRANTS

- | <u>AWARDING ORGANISATION</u> | <u>AMOUNT</u> | <u>STUDY PERIOD</u> |
|---|---------------|---------------------|
| • Nottingham Hospital Special Trustees | £3000 | Jan 95 to Jan 96 |
| <u>Study:</u> 'Clinical efficacy of colchicine in the treatment of back pain and sciatica' | | |
| • Wishbone Trust | £25024 | Oct 96 to Oct 97 |
| <u>Study:</u> 'Signal transduction in degenerative disc disease' | | |
| Study into the molecular and cellular pathomechanisms in degenerative disc disease.
Work submitted towards MD Thesis (1 Sept 2003) | | |
| Use of funds: | | |
| a) Laboratory equipment and materials | | |
| b) PhD laboratory assistant (full-time) under my supervision | | |
| • Smith and Nephew Foundation | £25,000 | Aug 99 - Aug 2000 |
| <u>Study:</u> 'Bio-molecular mechanisms in degenerative disc disease' | | |
| Use of funds: | | |
| a) MD Thesis project funding for Research Fellow (awaiting submission) | | |

PRIZES AND AWARDS

- **Smith and Nephew Travel Fellowship Award (Runner up):** 27th BOA Instructional Course, 9-11 Jan 1998, York, UK
Paper: 'Lumbar disc High-Intensity zones: The value and significance of provocative discography in the determination of the discogenic pain source'
- **New Investigator Research Award:** 3rd World Combined Orthopaedic Research Societies of USA, Japan, Canada and Europe, 28-30 Sept 1998, Hamamatsu, Japan
Paper: 'Abnormal signal transduction in degenerative disc disease: The role of tyrosine phosphorylated Annexin I & II proteins'
- **Spine Society of Europe: (Runner up 1998)**
Paper: 'Abnormal signal transduction in degenerative disc disease: The role of tyrosine phosphorylated Annexin I & II proteins'
- **Mansfield Medical Society "Doctor of the Year Award" (Runner up):** - 12 Jan 2000
Paper: 'Abnormal signal transduction in degenerative disc disease: The role of tyrosine phosphorylated Annexin I & II proteins'
- **East Midlands Research Prize:** East Midlands Research Society, 17 Nov 2000, Leicester
Paper: Proteome alterations in degenerative disc disease: the significance of reduced lysozyme-C-like levels
- **2001 Jackson and Waugh Research Prize (Nottingham):** 22 Jun 2001
Best published paper: 'Lumbar disc High-Intensity zones: The value and significance of provocative discography in the determination of the discogenic pain source.' Eur Spine J, 2000;9(1):36-41
- **Malkin Memorial Prize (Nottingham):** 27 Jun 2003
Paper: 'Do vertebral end plate changes correlate with discogenic low back pain? - A single blinded prospective study' (Y L Leung, K S Lam, J K Webb)
- **Best poster finalist, 5th Eurospine, Prague, Czech Republic:** 1-4 Oct 2003

Paper: C7 pedicle subtraction osteotomy and decancellation followed by cervico-thoracic segmental fixation in ankylosing spondylitis (DP Tokala, KS Lam, BJ Freeman, JK Webb)

PUBLICATIONS (incl. abstracts - Peer reviewed)

1. **The effects of simple trauma to patients with cervical spine neurofibromatosis**
KS Lam, SH Mehdian, B White. Eur Spine J 1997;6:77-80
2. **Medical decompression of spinal hydatidosis**
KS Lam, A Faraj, RC Mulholland. Spine 1997;22(17):2050-2055
3. **Fatal venous air embolism in spinal surgery: A serious cause for consideration**
KS Lam, SH Mehdian
JBJS(B) 1996;78-B(Supp II and III):163
JBJS(B) 1997;79-B(Supp I):111
4. **Laparoscopic assisted anterior interbody fusion: A safe and justifiable method?**
KS Lam, T Freisem, JK O'Dowd, RC Mulholland, JK Webb
JBJS(B) 1997;79-B(Supp I):99
5. **Surgical decompression: a life saving procedure for an extensive spinal epidural abscess**
KS Lam, K Pande, SH Mehdian
Eur Spine J 1997;6:332-335
6. **Laparoscopic spinal fusion: First and second generation instrumentation**
T Freisem, Y Leitner, R Gepstein, JK O'Dowd, KS Lam
JBJS(B) 1997;79-B(Supp III):331
7. **The importance of the abdominal musculature mechanism in maintaining spinal sagittal balance: Case illustration in prune-belly syndrome**
KS Lam, SH Mehdian
Spine 1999;24(7):719-722
8. **Apoptosis: The coming of age in disc research?**
KS Lam, TJ Baldwin, RC Mulholland
JBJS(B) 1999;81-B(Supp III):271
9. **Abnormal signal transduction in degenerative disc disease: The role of tyrosine phosphorylated Annexin I & II proteins**
KS Lam, TJ Baldwin, RC Mulholland
JBJS(B) 1999;81-B(Supp III):271
10. **Lumbar disc high-Intensity zones: The value and significance of provocative discography in the determination of the discogenic pain source**
KS Lam, D Carlin, RC Mulholland
JBJS(B) i) 1998;80-B(Supp III) ii) 1999;81-B(Supp III):276
Eur Spine J 2000;9(1):36-41
11. **The reliability of Adams' classification for discogram morphology**
ID Agorastides, KS Lam, BJ Freeman, RC Mulholland
Eur Spine J 2000;9(4):309
12. **Sand pits and bucket handles: A case of bilateral traumatic bucket-handle tears of the medial menisci**
J Abbott, KS Lam, VM Srivastava, A Moulton
Arthroscopy 2000;16(6):12
13. **Stress fracture of the sacrum: A rare cause of low back pain in a child**
KS Lam, A Moulton
Ann Rheum Dis 2001;60:87-88
14. **The Adams classification for cadaveric discograms: inter- and intra-observer error in the clinical setting**
ID Agorastides, KS Lam, BJ Freeman, RC Mulholland
Eur Spine J 2002;11(1):76-9

15. **The importance of early diagnosis in the management of proximal tibiofibular dislocation: a 9- and 5-year follow-up of a bilateral case**
A Aladin, KS Lam, EP Szypryt
Knee 2002;9(3):233-6
16. **Wrist function after excision of the pisiform**
KS Lam, S Woodbridge, FD Burke
J Hand Surg 2003 (Br & Eur);28B(1):69 - 72
17. **Malignant necrotising streptococcal myositis: a rare and fatal condition**
KN Subramanian, KS Lam
JBJS (Br) 2003;85-B:277-8
18. **To fuse or not to fuse the lumbar disc high intensity zone? And the influence of discography**
KS Lam, ID Agorastides, JK Webb, RC Mulholland
Eur Spine J 2002;11(S1)
19. **Radical changes in lysozyme distribution in degenerative disc tissue: Aetiology to disease?**
KS Lam, MS Sekowski, K Bishop, TJ Baldwin, RC Mulholland
Eur Spine J 2002;11(S1)
20. **Do vertebral end-plate changes correlate with discogenic low back pain? A single blinded prospective study**
KS Lam, Y Leung, JK Webb
Eur Spine J 2003;12(S1):S19
21. **C7 pedicle subtraction osteotomy and decancellation followed by cervicothoracic segmental fixation in ankylosing spondylitis**
DP Tokala, KS Lam, BJ Freeman, JK Webb
Eur Spine J 2003;12(S1):S44
22. **Discitis**
KS Lam, JK Webb
Hosp Med. May 2004; 65(5):280-6. [Review](#)
23. **The Modic Classification: Inter- and Intraobserver Error in Clinical Practise**
A Jones, A Clarke, BJ Freeman, KS Lam, MG Grevitt
Spine 2005; Aug 15;30(16):1867-9

INVITED PAPERS

1. **Abnormal signal transduction in degenerative disease disc disease: The role of tyrosine phosphorylated Annexin I & II proteins**
KS Lam, TJ Baldwin, RC Mulholland
Invited by Spine and Eur Spine J
2. **Lumbar disc high-Intensity zone: The value and significance of provocative discography in the determination of the discogenic pain source**
KS Lam, D Carlin, RC Mulholland
Invited by Spine and Eur Spine J
Published - Eur Spine J 2000;9:36-41

PAPER REVIEWS

SUBMITTED FOR PUBLICATION

1. **Pseudarthrosis of the odontoid peg in ankylosing spondylitis (Case report)**
A Clarke, KS Lam, SH Mehdian
European Spine Journal
2. **Acute myelopathy secondary to ossification of the thoracic posterior longitudinal ligament**

PRESENTATIONS (Podium and posters - Peer reviewed)

1. **Clinical efficacy of spinal root blocks (Poster)**
K Akasha, KS Lam, R Jain, RC Mulholland
Royal Society Meeting, Nov 1994, London, UK
3. **The effects of simple trauma to patients with cervical spine neurofibromatosis**
KS Lam, SH Mehdian, B White
 - i) Cervical Spine Research Society, 4-9 June 1995, Erlangen, Germany (Poster)
 - ii) British Cervical Spine Society, 10-11 Nov 1995, Southampton, UK
4. **Fatal venous air embolism in spinal surgery: A serious cause for consideration**
KS Lam, SH Mehdian
 - i) BSS, 21-22 Mar 1996, Watford, UK
 - ii) BOA, 11-13 Sept 1996, Brighton, UK
 - iii) Eurospine 96, 16-19 Oct 1996, Zurich, Switzerland
 - iv) 24th ISSLS, 2-6 June 1997, Singapore (Poster)
4. **Laparoscopic assisted anterior interbody fusion: A safe and justifiable method?**
KS Lam, T Freisem, JK O'Dowd, RC Mulholland, JK Webb
 - i) BOA, 11-13 Sept 1996, Brighton, UK
 - ii) Eurospine, 16-19 Oct 1996, Zurich, Switzerland (Poster)
5. **Surgical decompression as a life saving measure for extensive spinal epidural abscess**
KS Lam, K Pande, SH Mehdian
 - i) British Cervical Spine Society, 8-9 Nov 1996, Newcastle-Upon-Tyne, UK
6. **Laparoscopic spinal fusion: first and second generation instrumentation**
T Freisem, Y Leitner, R Gepstein, JK O'Dowd, KS Lam
 - i) Israel Orthopaedic Association, 25-26 Nov 1996, Tel-Aviv, Israel
7. **Lumbar disc high-intensity zones: The value and significance of provocative discography in the determination of the discogenic pain source**
KS Lam, D Carlin, RC Mulholland
 - i) British Orthopaedic Spine Society, 10 Jan 1998, Nottingham, UK
 - ii) 27th BOA Instructional Course, 9-11 Jan 1998, York, UK
 - iii) 25th ISSLS, 9-13 June 1998, Brussels (Poster)
 - iv) Eurospine 98, 23-27 June 1998, Innsbruck, Austria
 - v) SRS, 16-20 Sept 1998, New York, USA (Read by title)
 - vi) Combined BOA and IOA, 6-10 Oct 1998, Dublin, Ireland
 - vii) NASS, 28-31 Oct 1998, San Francisco, USA
 - viii) SIROT, 16-19 April, 1999, Sydney, Australia (Poster)
8. **Abnormal signal transduction in degenerative disc disease: the role of tyrosine phosphorylated Annexin I & II proteins**
KS Lam, TJ Baldwin, RC Mulholland
 - i) 25th ISSLS, 9-13 June 1998, Brussels, Belgium
 - ii) SRS, 16-20 Sept 1998, New York, USA
 - iii) 3rd World Combined ORS of USA, Japan, Canada and Europe, 28-30 Sept 1998, Hamamatsu, Japan
 - iv) Combined BOA and IOA, 6-10 Oct 1998, Dublin, Ireland
 - v) NASS, 28-31 Oct 1998, San Francisco, USA
9. **The importance of the abdominal musculature mechanism in maintaining spinal sagittal balance: Case illustration in prune-belly syndrome**
K S Lam, SH Mehdian
 - i) Eurospine, 23-27 June 1998, Innsbruck, Austria (Poster)
 - ii) SRS, 16-20 Sept 1998, New York, USA (Read by title)

10. **The value and significance of lysozyme C as a marker for degenerative disc disease**
 KS Lam, TJ Baldwin, RC Mulholland
 - i) SRS, 16-20 Sept 1998, New York, USA (Read by title)
 - ii) 3rd World Combined ORS of USA, Japan, Canada and Europe, 28-30 Sept 1998, Hamamatsu, Japan
11. **Apoptosis: The coming of age in disc research?**
 KS Lam, TJ Baldwin, RC Mulholland
 - i) SRS, 16-20 Sept 1998, New York, USA (Read by title)
 - ii) 3rd World Combined ORS, Japan, Canada and Europe, 28-30 Sept 1998, Hamamatsu, Japan
 - iii) Combined BOA and IOA, Dublin, Ireland, 6-10 Oct 1998
 - iv) SIROT, 16-19 April, 1999, Sydney, Australia
12. **Laparoscopic anterior spinal fusion with the BAK device: A report of overall technique safety and reliability**
 KS Lam, T Freisem, JK Webb, RC Mulholland
 - i) SRS, 16-20 Sept 1998, New York, USA (Read by title)
 - ii) NASS, 28-31 Oct 1998, San Francisco, USA (Poster)
 - iii) Joint Meeting of RCP and RCS of Edinburgh with Colleges of Medicine of South Africa, 21-24 Feb 1999, Cape Town, South Africa
13. **BAK Interbody Fusion: The Nottingham Experience**
 KS Lam, T Friesem, JK O'Dowd, RC Mulholland
 British Orthopaedic Spine Society, 10 Jan 1998, Nottingham, UK (Presented in absentia)
14. **BAK Cage: Nottingham results**
 JK O'Dowd, KS Lam, RC Mulholland, M Harris M
 NASS, 28-31 Oct 1998, San Francisco, USA
15. **The significance of abnormal cellular signalling in disc disease related to alterations in Annexin I & II tyrosine phosphorylated proteins**
 KS Lam, TJ Baldwin, RC Mulholland
 SIROT, 16-19 April, 1999, Sydney, Australia
16. **Laparoscopic assisted anterior interbody spine fusion with the BAK device: Operative method and experience with the first 30 cases**
 KS Lam, T Friesem, JK Webb, RC Mulholland
 Joint Meeting of RCP and RCS of Edinburgh with Colleges of Medicine of South Africa, 21-24 Feb 1999, Cape Town, South Africa
17. **Proteome alterations in degenerative disc disease: The significance of reduced lysozyme C levels**
 KS Lam, TJ Baldwin, RC Mulholland
 - i) SIROT, 16-19 April 1999, Sydney, Australia
 - ii) BOA and JOA Combined Congress, 3-6 Oct 2000, London
 - iii) East Midlands Research Society, 17 Nov 2000, Leicester
 - iv) Oxford disc research meeting, 17 April 2002, Oxford
18. **Observer agreement within the Adams' grading system for discogram morphology**
BJ Freeman, ID Agorastides, KS Lam, RC Mulholland
 27th ISSLS, 9-13 Apr 2000, Adelaide, Australia
19. **The reliability of Adams' classification for discogram morphology**
ID Agorastides, KS Lam, BJ Freeman, RC Mulholland
 - i) 1st Interdisciplinary Congress on Spinal Surgery, 27Aug-1Sept 2000, Berlin, Germany
 - ii) Eurospine 2000, 10-14 Oct 2000, Antwerp, Belgium
20. **The reliability of Adams' grading system for assessing discogram morphology**
 KS Lam, ID Agorastides, BJ Freeman, RC Mulholland
 BOA and JOA Combined Congress, 3-6 Oct 2000, London
21. **The role of lumbar discography in patients with high-intensity zone**
ID Agorastides, KS Lam, JK Webb, RC Mulholland
 1st Interdisciplinary Congress on Spinal Surgery, 27Aug-1Sept 2000, Berlin, Germany

22. **Iliotibial band Z-plasty for the snapping hip in the sportman**
KS Lam, VM Srivastava, A Moulton
9th European Society of Sports Traumatology, Knee Surgery and Arthroscopy, 16-20 Sept 2000, London
23. **Two surgeon approach to Gilmore's groin in the athlete**
KS Lam, G Tsikouris, VM Srivastava, G Greatrex, A Moulton
9th European Society of Sports Traumatology, Knee Surgery and Arthroscopy, 16-20 Sept 2000, London (Poster)
24. **The importance of the abdominal musculature mechanism in maintaining spinal sagittal balance: Case illustration in prune-belly syndrome**
KS Lam, SH Mehdian
BOA and JOA Combined Congress, 3-6 Oct 2000, London
25. **Outcome of the 'two surgeon approach' to thoracic outlet syndrome**
KS Lam, D Sharan, A Moulton, GH Greatrex, SK Das, AM Whiteley, VM Srivastava
BOA and JOA Combined Congress, 3-6 Oct 2000, London
26. **Functional outcome following pisiformectomy**
KS Lam, S Woodbridge, FD Burke
Combined SICOT/SIROT Meeting, 29 Aug - 1 Sept 2001, Paris
i) SIROT Programme
ii) SICOT Trainee's Meeting
27. **Surgical lengthening of the iliotibial band by Z-plasty for the snapping hip (Poster)**
KS Lam, VM Srivastava, A Moulton
Combined SICOT/SIROT Meeting, 29 Aug - 1 Sept 2001, Paris
28. **Two surgeon approach to groin pain (Poster)**
KS Lam, G Tsikouris, VM Srivastava, G Greatrex, A Moulton
Combined SICOT/SIROT Meeting, 29 Aug - 1 Sept 2001, Paris
29. **High-intensity zone: enough to offer lumbar fusion? The role of lumbar discography**
ID Agorastides, KS Lam, J K Webb, R C Mulholland
BOA Annual Congress, 12-14th Sept, 2001, Birmingham
30. **Outcome of endoscopic fusion with the BAK cage**
KS Lam, T Friesem, JK Webb, RC Mulholland
BOA Annual Congress, 12-14 Sept, 2001, Birmingham
31. **Z-plasty lengthening of the iliotibial band for the snapping hip**
KS Lam, VM Srivastava, A Moulton
BOA Annual Congress, 12-14 Sept, 2001, Birmingham
32. **High-Intensity zone: Enough to offer lumbar fusion: And the role of discography?**
KS Lam, ID Agorastides, JK Webb, RC Mulholland
Combined Meeting of the North and South American Spine Societies II, 24-27 April 2002, New York, USA
33. **Radical changes in lysozyme distribution in degenerative disc tissue: Aetiology to disease?**
KS Lam, MS Sekowski, K Bishop, TJ Baldwin, RC Mulholland
i) Combined Meeting of the North and South American Spine Societies II, 24-27 April 2002, New York, USA (Poster)
ii) 29th ISSLS, 14-18 May 2002, Cleveland, Ohio, USA (Poster)
iii) 4th Eurospine Meeting, 11-14th Sept, Nantes, France
34. **The Adam's classification of cadaveric discograms: Inter and intraobserver error in the clinical setting (Poster)**
KS Lam, ID Agorastides, BJC Freeman, RC Mulholland
Combined Meeting of the North and South American Spine Societies II, 24-27 April 2002, New York, USA

35. **Proteome profiles in disc disease: the significance of reduced levels of 'lysozyme-c-like protein' (Poster)**
 KS Lam, T Baldwin, RC Mulholland
 Combined Meeting of the North and South American Spine Societies II, 24-27 April 2002, New York, USA
36. **Is the presence of the high-intensity zone enough to offer lumbar fusion? And the role of lumbar discography**
 KS Lam, ID Agorastides, JK Webb, RC Mulholland
 29th ISSLS, 14-18 May 2002, Cleveland, Ohio, USA
37. **To fuse or not to fuse the lumbar disc high intensity zone? And the influence of discography**
 KS Lam, ID Agorastides, JK Webb, RC Mulholland
 4th Annual Meeting of the Spine Society of Europe, 11-14 Sept, Nantes, France
38. **Is there a role for selective anterior instrumentation in neuromuscular scoliosis? A clinical and radiographic outcome study**
P Tokala, KS Lam, H Behensky, AA Cole, JK Webb
 (i) British Scoliosis Society, Leeds 9-11 April 2003
 (ii) IMAST, 10-12th July 2003, Rome, Italy (Poster)
39. **Thoracic adolescent idiopathic scoliosis treated with anterior Universal Spine System: 2 year results**
AA Cole, H Behensky, RG Burwell, KS Lam, P Tokala, RK Pratt, and JK Webb
 (i) British Scoliosis Society, Leeds 9-11 April 2003
P Tokala, KS Lam, AA Cole, H Behensky, and JK Webb
 (ii) IMAST, 10-12 July 2003, Rome, Italy (Poster)
40. **Controlled surgical reduction of cervical fixed flexion deformity in ankylosing spondylitis - A report of 2 cases**
SH Mehdian, KS Lam, BJ Freeman
 i) British Scoliosis Society, Leeds 9-11 April 2003
 ii) Britspine 2004, 28-30 Apr 2004, Nottingham, UK (Poster)
 iii) Spineweek 2004, 30 May - Jun 4 2004, Oporto, Portugal
41. **Difficulties in the management of complex spinal deformities in Larsen's syndrome - A case report (Poster)**
M McCarthy, K S Lam, S Mehdian and R Kerslake
 British Scoliosis Society, Leeds 9-11 April 2003
42. **Do vertebral end plate changes correlate with discogenic low back pain? - A single blinded prospective study**
YL Leung, KS Lam, JK Webb
 30th ISSLS, 13-17 May 2003, Vancouver, Canada
43. **Increased prevalence of increased anti-fibronectin auto antibodies in patients with pseudarthrosis following spinal fusion**
 KS Lam, M Atta, I Todd
 i) 30th ISSLS, 13-17 May 2003, Vancouver, Canada (Poster)
 ii) Spineweek 2004, 30 May - Jun 4 2004, Oporto, Portugal (Poster)
44. **A prospective randomized trial comparing femoral ring allograft versus Syncage® for circumferential spinal fusion: Early functional outcome results with a minimum 2 year follow up (Poster)**
 KS Lam, YL Leung, BJ Freeman, SH Mehdian, MP Grevitt, JK Webb
 30th ISSLS, 13-17 May 2003, Vancouver, Canada
45. **Fixed lumbar apical vertebral rotation predicts spinal decompensation in King II adolescent idiopathic scoliosis after posterior thoracic instrumentation**
H Behensky, AA Cole, JK Webb, KS Lam, MP Grevitt, SH Mehdian
 IMAST, 10-12 July 2003, Rome, Italy

46. **Fixed lumbar apical vertebral rotation predicts spinal decompensation in Lenke III type adolescent idiopathic scoliosis after posterior thoracic correction**
H Behensky, AA Cole, JK Webb, KS Lam, MP Grevitt, SH Mehdian
 38th Scoliosis Research Society Meeting, 10-13 Sept 2003, Quebec, Canada
47. **Do vertebral end plate changes correlate with discogenic low back pain? - A single blinded prospective study**
KS Lam, YL Leung, JK Webb
 Spine Society of Europe Meeting, 1-4 Oct 2003, Prague, Czech Republic
48. **C7 pedicle subtraction osteotomy and decancellation followed by segmental cervico-thoracic segmental fixation in ankylosing spondylitis**
DP Tokala, KS Lam, BJ Freeman, JK Webb
 i) 5th Spine Society of Europe Meeting, 1-4 Oct 2003, Prague, Czech Republic (Poster)
 ii) British Cervical Spine Society, 7-8 Nov 2003, Edinburgh, UK
49. **Surgical outcome of scoliosis using different instrumentation constructs in Duchenne muscular dystrophy**
 Daivajna, Lam, Jones, Mehdian
 British Scoliosis Society, 27 Apr 2004, Nottingham, UK
50. **The Modic classification for lumbar MRI scans: Intra and Inter-observer error**
A Jones, A Clarke, K Lam, MP Grevitt, BJC Freeman
 Britspine 2004, 28-30 Apr 2004, Nottingham, UK
51. **Do vertebral endplate changes predict better outcome following lumbar interbody fusion: A prospective study with minimum two year follow up**
A Clarke, K Lam, BJC Freeman
 i) Britspine 2004, 28-30 Apr 2004, Nottingham, UK
 ii) Spineweek 2004, 30 May - Jun 4 2004, Oporto, Portugal
52. **Is there a role for selective anterior instrumentation in neuromuscular scoliosis. A clinical and radiographic outcome study.**
P Tokala, KS Lam, JK Webb
 i) Britspine 2004, 28-30 Apr 2004, Nottingham, UK
 ii) Spineweek 2004, 30 May - Jun 4 2004, Oporto, Portugal
53. **Accuracy of percutaneous Harlow-Wood biopsies for vertebral lesions**
A T Helm, P Sell, K Lam
 i) Britspine 2004, 28-30 Apr 2004, Nottingham, UK
 ii) Spineweek 2004, 30 May - Jun 4 2004, Oporto, Portugal (Poster)
54. **C7 decancellation osteotomy and segmental fixation in ankylosing spondylitis**
DP Tokala, KS Lam, BJ Freeman, JK Webb
 i) Britspine 2004, 28-30 Apr 2004, Nottingham, UK
KS Lam, DP Tokala, BJ Freeman, JK Webb
 ii) Spineweek 2004, 30 May - Jun 4 2004, Oporto, Portugal
55. **High incidence of occult spinal injuries following vertical aircraft ejection: A prospective study using MRI**
 K Lam, R Kerslake, JK Webb
 i) Britspine 2004, 28-30 Apr 2004, Nottingham, UK
 ii) Spineweek 2004, 30 May - Jun 4 2004, Oporto, Portugal (Poster)
56. **Surgical management by pisiformectomy of pisotriquetral arthritis in the sportsman**
 S Kalra, KS Lam, S Woodbridge, F D Burke
 BOA Annual Meeting, 14-18 Sept 2004, Manchester, UK

ACCEPTED FOR PRESENTATION

1. **Do structural interbody grafts preserve sagittal alignment better than morselised rib autograft in anterior instrumentation of thoracolumbar and lumbar adolescent idiopathic scoliosis?**

RG Watkins IV, N R Hussain, BJ Freeman, MP Grevitt, KS Lam, JK Webb
 SRS 40th Annual Meeting, Oct 27-30, 2005 Miami, USA

INVITED LECTURES / WORKSHOPS / PRESENTATIONS

1. Minimal Invasive Spine Course, 5-6 Oct 1995, Bochum Germany
Course lecturer, moderator, faculty member and demonstrator
 - i) 'Instability and Anterior Spinal Fusion'
 - ii) 'Complications of Laparoscopic BAK Anterior Interbody Fusion'
2. Minimal Invasive Spine Course, 29-30 Jan 1996, Nottingham, UK
Course lecturer and demonstrator
 - i) 'BAK Anterior Interbody Fusion: Preliminary Nottingham Results'
 - ii) 'Indications and Technique of Laparoscopic BAK Anterior Interbody Fusion'
3. 4th Advanced AO Spine Course, 2-6 Sept 1996, Nottingham, UK
Course lecturer, faculty member and course demonstrator
 - i) 'Contrast Discography'
4. Minimal Invasive Spine Surgery, Eurospine 96, 15 Oct 1996, Zurich, Switzerland
Mulholland RC, Lam KS
 - i) 'Laparoscopic Spine Surgery'
5. 15th Percutaneous Endoscopic Spinal Surgery, 23-24 Jan 1997, Zurich, Switzerland
Mulholland RC, Lam KS
 - i) 'Laparoscopic Anterior Spinal Fusion with the BAK Device:
The Nottingham Experience'
6. Laparoscopic BAK Spine Symposium, 21-22 Apr 1997, Milan, Italy
Invited surgeon, course lecturer and porcine workshop demonstrator
'Laparoscopic Anterior Interbody Fusion with the BAK Interbody Device'
 - i) 'Indications and patient selection'
 - ii) 'Operative technique'
7. EFORT, 24-27 Apr 1997, Barcelona, Spain
Prepared for Prof. RC Mulholland
 - i) 'Laparoscopic Anterior Spinal Fusion: Anatomical Considerations'
8. Val D'Hebron, 7 May 1997, Barcelona, Spain
Prepared for Prof. RC Mulholland
 - i) 'Laparoscopic and Anterior Fusion'
9. Egyptian Spine Society, 29-30 May 1997, Cairo, Egypt
Prepared for Prof. RC Mulholland
 - i) 'Laparoscopic Spinal Surgery: Fad, Fashion or Future?'
10. International Society for the Study of the Lumbar Spine, Spine Instructional Course, 6-8 June 1997, Singapore
Guest lecturer and faculty member
BAK Symposium:
 - i) 'Biomechanical rationale of the BAK device'
 - ii) 'Clinical results of the BAK'
 - iii) 'Patient selection criteria'
 - iv) 'Overview of specific surgical techniques'
11. 2nd European Advanced Spinal Surgery Forum, 27-29 Aug 1997, London, UK
Guest lecturer and faculty member
Endoscopic Lumbar Fusion:
 - i) 'Alternative techniques'
 - ii) 'Patient selection'
 - iii) 'Research evidence'
12. 5th International AO Spine Course, 8-11 Sept 1997, Nottingham, UK
Course lecturer, faculty member and demonstrator
 - i) 'Results of posterior surgery for fractures'

13. 8th International Congress of Lumbar Spinal Fusion and Stabilisation, 30 Sept - 4 Oct 1997, Texas, USA
Prepared for Prof. RC Mulholland
- i) 'Minimal Intervention Surgery: Fad or Future?'
 - ii) 'Discography: Value and Significance'
14. Laparoscopic BAK Symposium, 7-8 November 1997, Lisbon, Portugal
Invited surgeon, course lecturer and porcine workshop demonstrator
Laparoscopic Anterior Spine Fusion with the BAK Interbody device:
- i) 'Anatomical considerations'
 - ii) 'Patient selection criteria'
 - iii) 'Pre-operative planning'
15. AO Spine Course, Dec 1997, Davos, Switzerland
JK O'Dowd, KS Lam, RC Mulholland, M Harris
- i) 'BAK Cage: Nottingham Results'
16. 3rd World Combined Orthopaedic Research Societies of USA, Japan, Canada and Europe, 28-30 Sept 1998, Hamamatsu, Japan
Workshop on disc degeneration
- i) 'Role of Apoptosis in Disc Degeneration'
17. 9th International Conference on Lumbar Fusion and Stabilisation, 31 May - 4 June 1999, Cheshire, UK
Guest lecturer and faculty member
- i) 'Disadvantages of Caged Fusions'
 - ii) 'The Outcome of Endoscopic Caged Fusions'
 - iii) 'Lumbar Disc High-Intensity Zones' (Abstract)
 - iv) 'Abnormal Cell Signalling in Degenerative Disc Disease' (Abstract)
18. AO ASIS Comprehensive and Interactive Spine Faculty Course, 3-6 Oct 2002, Newport, Rhode Island, USA
Prepared for Mr J K Webb
- i) 'Pain generators in black disc disease'
19. AO ASIS Comprehensive and Interactive Spine Faculty Course, 26-28 Feb 2003, Idaho, USA
Prepared for Mr J K Webb
- i) 'Pain generators in black disc disease'
20. Nottingham AO USS Seminars
Course lecturer and demonstrator of scoliosis cases
- i) 1st-2nd July 2002
 - ii) 11-12th Nov 2002
 - iii) 31st Mar - 1st Apr 2003
 - iv) 30th Jun - 1st July 2003
21. AO Spinal Forum, 29-30 Apr 2004, Royal Society of Medicine, London
Course Lecturer and moderator
- i) 'Lumbar discography - can it help us?'
22. AO Spine Instructional Course, 5-6 May 2004, St Thomas's Hospital, London
Course lecturer and moderator
- i) 'Initial assessment and management of spinal trauma'
 - ii) 'AO Classification of Thoraco-lumbar fractures'
 - iii) Case scenarios and discussion
23. British Orthopaedic Assn. (Society of back pain research section), Sept 17th, Manchester, UK
- i) Disc replacement surgery: 'Fuse, Refuse or Replace?'
24. British Orthopaedic Assn. Sept 17th 2004, Manchester, UK
Society of back pain research session moderator
25. AO Introductory Spine ORP Course, 3-4 Nov 2004, Dublin, Ireland
Course lecturer and moderator
- i) 'Spinal surgical approaches'

26. AO Comprehensive Spine Course, May 20th - 22nd 2005, Gauteng, South Africa
Course lecturer, moderator and practical supervisor
- i) Facet injuries: anterior or posterior surgery?
 - ii) Treatment alternatives in anterior cervical discectomy
 - iii) Surgical treatment of cervical myelopathy - anterior or posterior decompression?
 - iv) Surgery for adolescent idiopathic scoliosis
 - v) New technology in disc herniation
 - vi) Role of bone substitutes and BMPs
27. Worldspine III Meeting, Rio de Janeiro, Brazil, Jul 31st - Aug 3rd 2005
Invited speaker
'Lumbar disc regeneration'