

CURRICULUM VITAE

Mr Martin Knight MD, FRCS
Consultant Spinal Surgeon

The Spinal Foundation
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January 2011

PERSONAL DETAILS

Full Name: Martin Tonbridge Norton Knight
Date of Birth: 1945
Place of Birth: London, England
Nationality: British

FAMILY DETAILS

I am married to Ingrid Jennifer Knight (Jenny) and we have three daughters and a son.

EDUCATION

School: Charterhouse School, Godalming, Surrey.
Medical School: St Bartholomew's Hospital Medical School, London

QUALIFICATIONS

Bachelor of Medicine	
Bachelor of Surgery	1969
Primary - Fellow	
Royal College of Surgeons	1971
Final - Fellow	
Royal College of Surgeons	1974
Accreditation	
Certificate of Orthopaedic	
Higher Surgical Training	1986
Doctor of Medicine	2003

EMPLOYMENT HISTORY

Current Appointments

Director and Consultant Spinal Surgeon

The Spinal Foundation
April 1994 to present

Honorary Senior Lecturer

University of Manchester
September, 2007 to present

Honorary Senior Lecturer

University of Central Lancashire
October 1998 to present

Honorary Research Fellow

Royal Post Graduate Medical School,
Hammersmith
April 1974 to present

Honorary Research Fellow

Medical School, The University of Manchester
October 1999 to September 2006

PREVIOUS APPOINTMENTS

Consultant Orthopaedic Surgeon
Rochdale NHS Healthcare Trust
November 1990-September 1998

Locum Consultant Orthopaedic Surgeon
January 1990 to October 1990
Princess Margaret Hospital, Swindon

Consultant Orthopaedic Surgeon
January 1987 to August 1988
Royal Naval Hospital, Haslar

Orthopaedic Senior Registrar
August 1985 to December 1986
Royal Naval Hospital, Haslar

Orthopaedic Senior Registrar
October 1981 to April 1982
St Thomas's Hospital

Orthopaedic Senior Registrar
October 1980 to September 1981
Southampton General Hospital

Orthopaedic Senior Registrar
and Associate Professor
October 1978 to September 1980
The Albert Einstein College of Medicine, New York, USA.

Orthopaedic Registrar
July 1978 to September 1978
St Thomas's Hospital

Orthopaedic Registrar
July 1977 to June 1978
Princess Margaret Hospital, Swindon, Wiltshire

Orthopaedic Registrar
May 1977 to June 1977
St Thomas's Hospital

GENERAL PROFESSIONAL TRAINING

Research Fellow - Unit of Surgical Science
(Professor D.G. Melrose)
August 1985 to December 1986
Royal Post Graduate Medical School, London

Registrar Surgery & Research
(Professor J S Cainan)
April 1974 to July 1975
Hammersmith Hospital, London

General Surgical Overseas Experience
January 1974 to March 1974
The Little Bow Hospital, Carmangay, Alberta, Canada

Senior House Officer, General Surgery
(Mr. T.M. Hennerbry)
October 1972 to June 1973
North Middlesex Hospital, London

Casualty Officer
April 1972 to September 1972
Royal Northern Hospital, London

Demonstrator in Anatomy
(Professor O.J. Lewis)
September 1970 to March 1972
St Bartholomew's Hospital, London

House Physician
(the late E.G. Sita-Lumsden)
July 1969 to December 1969
Rochford General Hospital

COURSES

Interpersonal Skills, London, 2009

Vertebroplasty, Leeds, November, 2007

Kyphoplasty, Salzburg, Austria, August, 2007

Ethical Issues Including Autonomy, Paternalism and Informed Consent
Marie Curie Education Centre, Liverpool, March 2003

Minimal Invasive Anterior Lumbar Interbody Fusion
Tuttlingen June 1996

Arthroscopic Microdiscectomy and Minimal Intervention Spinal Surgery
Philadelphia 1992

Arthroscopic Intradiscal Microdiscectomy
Phoenix, Arizona - 1992

KTP 532 Laser Discectomy Course
La Jolla, California - 1992

Advanced A-O Fracture Fixation Course
Davos, Switzerland - December 1985

Course in Hand Surgery
Princess Margaret Rose Hospital, Edinburgh-March 1983

A-O Hip Course in Hip Surgery
Berne, Switzerland - October 1982

British Orthopaedic Association
Instructional Course - October 1982

Fracture Management Course
University of Southern California, USA - July 1980

Peripheral Nerve Repair Course
Institute of Orthopaedics, New York, USA - May 1980

Course in Bone Tumour Management
AAOS Meeting, Atlanta, USA - May 1980

A-O Fracture Fixation Course (A. Apley)

Royal College of Surgeons - June 1979

Cast Bracing Symposium (A Sarmiento)
St Thomas's Hospital, London - June 1977

NAVAL TRAINING

Armillia Patrol HMS Battle-Axe
September 1987 to December 1987

Defence Medical Senior Officers Study Period
Nuclear, Biological and Chemical Defence
Winterbourne Gunner - April 1984

Naval Management Course
Royal Naval College, Greenwich - November 1984

New Entry Medical Officers Course
Royal Naval College, Britannia, Dartmouth
October 1983

SOCIETIES

World Congress of Endoscopic Minimally Invasive Spine Surgery Techniques
European Spine Society
British Orthopaedic Spine Society
British Orthopaedic Association (Fellow)
Royal Society of Medicine
British Orthopaedic Research Society
British Back Pain Research Society
British Laser Medical Society
European Laser Medical Society (Executive)
Arthroscopy Society of New York
Military Medical School
Surgical Research Society
ISTHMUS - Founder Member and British Representative
American Academy of Minimally Invasive Spinal
Medicine and Surgery
North American Spine Society
European Society of Spine
European Spine Society
Expert Witness Institute

International Musculoskeletal Laser Society Founder Member and British Representative
Commanderie de Bordeaux
1824 Club

Member of International Editorial Boards

Publication Committee of the Spine Arthroplasty Society
Member of the Editorial Review Board of Spine
SAS Journal (Spine Arthroplasty Society)
Orthopaedia Traumatologia Rehabilitai
Journal of Minimally Invasive Spinal Technique
Journal of Clinical Laser Medicine and Surgery

International Advisory Board

World Association for Laser Therapy - 4th World Congress June 2002

Vice President, World Congress of Minimally Invasive Spine Surgery Techniques – June 2008

President – International Intradiscal Therapy Society 2007

General Secretary - International Musculoskeletal Laser Society 2005 – 2010

President - International Musculoskeletal Laser Society 1999 – 2005

President - International Congress of Lumbar Fusion and Stabilisation 1999

SPINAL PRESENTATIONS

Endoscópica.
Foraminolastia
Discectomia Endoscópica Transformainal
Workshops and Round Table
X1 NATIONAL CONGRESS OF AMCICO
Identificación Del Dolor Mediante La Exploración 15 – 16 September, 2010

BMI Hospital

Endoscopic Lumbar Decompression and Foraminoplasty – Presentation to
Physiotherapists and General Practitioners
8 September, 2009

Foraminoscopic Lumbar Discectomy and Endoscopic Foraminoplasty.
Turkish Society of Minimally Invasive Spine Surgery - 6 November, 2009

Physio First

Physiotherapists Conference – 30 March, 2009 - Nottingham

ANGER – One of the Seven Deadly Sins

Mensa – 2 August, 2008 - Cambridge

Endoscopic Lumbar Decompression and Foraminoplasty

Clinical Outcomes of Foraminoplasty

Endoscopic Intradiscal Discectomy Procedure

Transforaminal Endoscopic Minimally Invasive Spine Surgery – Patient Selection

Tips and Tricks

Transforaminal Endoscopic Minimally Invasive Spine Surgery – The Rationale

Cadaver Workshop in Nottingham – 2 July, 2008

Foraminoplasty for Advanced Degenerative Disc Disease – 18 Years Experience

Endoscopic Lumbar Decompression – Clinical Outcomes in Failed Back Surgery

Endoscopic Lumbar Decompression and Foraminoplasty in the Treatment of Failed Fusion Surgery

First Tri-Annual World Congress of Minimally Invasive Spinal Surgical Techniques – 1 – 7 June, Hawaii

Spine Arthroplasty Society – 3 – 5 May, 1998, Miami

Lateral recess stenosis treated by Endoscopic Lumbar Decompression and Foraminoplasty

Management of Spondylolitic Spondylolisthesis with Endoscopic Foraminoplasty

WENMISS, London, 12 – 13 January, 2008

KOMULARS, Seoul, Korea, 28 October, 2007

Training Workshop in Hong Kong, 26 October, 2007

Endoscopic Minimally Invasive Spine Surgery – The future Paradigm

Relevance of Spinal Probing and Discography and Differential Discogram

Endoscopic Lumbar Decompression and Foraminoplasty

Live Surgery - Endoscopic Lumbar Decompression and Foraminoplasty

Q&A – Endoscopic Discectomy

President and Organiser of the International Intradiscal Therapy Society – Albi, France, June, 2007

Endoscopic Instrumentation

Nerve Root Retraction, Haemostasis and Use of Pumps

Spinal Probing and Discography

Endoscopic Lumbar Decompression and Foraminoplasty

What the Future May hold

International Musculoskeletal Laser Society – Malaysia May, 2007

Endoscopically Determined Lumbar pain Sources : Diagnostic accuracy of Differential Discogram : The Technique of Endoscopic Lumbar Decompression and Foraminoplasty and Future Applications
Congress of the Committee of Minimally Invasive Spinal Surgery of the Brazilian Spine Society, 14 – 17 March, 2007

5th St. Vinzenz-Orthopädietag 2006 11th November 2006 Linz, Austria

Interest of Endoscopic Laser Foraminoplasty After Failed Back Surgery Syndrome

19th Reunion Annuelle DU Gieda INTER RACHIS, 15 – 16 December, 2006

Endoscopic Minimally Invasive Spinal Surgery – a New Paradigm, a New Era Workshop at the German National Orthopaedic Meeting, Berlin, Germany – 2 – 6 October, 2006

Lumbar Pain Sources – Endoscopically Determined, Endoscopic Lumbar Decompression and Foraminoplasty, selection, outcomes and complications, Endoscopic Lumbar Decompression and Foraminoplasty Technique in Detail, Relevance of Spinal Probing and Discography and Differential Discogram. Live Surgery
The Mexican Society of Minimally Invasive Spinal Surgery, Mexico – 26 – 29 July, 2006

“The Complications of Endoscopic Lumbar Decompression and Foraminoplasty”

“Endoscopic Lumbar Decompression and Foraminoplasty – A Paradigm Treatment Shift”

“Diagnostic Relevance of Differential Discography”. Cadaver Workshop

Prize for the Outstanding Paper Presentation entitled “Endoscopic Lumbar Decompression and Foraminoplasty – A Paradigm Treatment Shift” and Winner of the Haki Award for Best Paper Entitled Endoscopic Lumbar Decompression & Foraminoplasty, A Paradigm Treatment Shift
International Musculoskeletal Laser Society – 1 – 3 June, 2006

AGA Meeting, 29 – 30 April, 2006, Baden Baden, Germany. Inaugurated as President of the International Intradiscal Therapy Society – 5 – 9 April, 2006

Aware State Endoscopic Laser Foraminoplasty: Clinical Selection, Outcomes and Morbidity.

Diagnostic Relevance of Spinal Probing and Discography .

Aware State Determined Lumbar Foraminal Pain Sources.

The Error Risk of Conventional Diagnosis

ICLFS in South Africa - Cape Town 12 – 27 October, 2005

Aware State Determined Lumbar Foraminal Pain Sources, Diagnostic Relevance of Spinal Probing.

The Error Risk of Conventional Diagnosis

Workshop and Live Surgery

International Musculoskeletal Laser Society, Turkey, 22 – 25 June, 2005.

The Error Risk of Conventional Diagnosis and Diagnostic Relevance of Spinal Probing and Discography and Workshop, demonstrating endoscopic surgical techniques

18th Annual Meeting of the International Intradiscal Therapy Society, San Diego, 25 – 28 May, 2005

The Error Risk of Conventional Diagnosis

Aware State Determined Lumbar Foraminal Pain Sources.

Diagnostic Relevance of Spinal Probing and Discography.

Aware State Endoscopic Laser Foraminoplasty: Clinical Outcomes and Morbidity - Live surgery and workshop

The Taiwan Spine Society, Percutaneous Endoscopic Laser Discectomy Symposium, Taiwan, 12 – 17 April, 2005

Aware State Endoscopic Laser Foraminoplasty Selection, Outcomes, Morbidity in Chronic Lumbar Spondylosis and Spondylolitic Spondylolisthesis and live surgery, demonstrating Keyhole Spinal Surgery and Training Workshop Keyhole Spinal Surgery

Minimally Invasive Spinal Surgery Congress, Mexico – 2 – 3 December, 2005

Aware State Endoscopic Laser Foraminoplasty : Patient Selection, Clinical Outcomes and Morbidity.

Management of Spondylolitic Spondylolisthesis with Endoscopic Laser Foraminoplasty.

Laser Technologies in Medical Science and Practical Medicine – Moscow 7 – 8 October, 2004

Laser Assisted Forum

International Intradiscal Therapy Society Inc, 19 – 23 May, 2004, Munich, Germany

Aware State Spinal Surgery for Chronic Lumbar Spondylosis in Failed Back Surgery – Special Lecture. Lumbar Pain Sources and Their Management by Endoscopic Spine Surgery and Live Operating Workshop – Endoscopic Laser Foraminoplasty (“EFL”) with the KISS System

President of the 11th Congress of International Musculoskeletal Laser Society Seoul, Korea 12 – 15 May, 2004

Aware State Endoscopic Laser Foraminoplasty : Patient Selection, Clinical Outcome, Morbidity

IV Congreso Nacional de Neuro Raquis – 18 – 20 February, 2004

Endoscopic Laser Foraminoplasty – Selection, Outcomes and Morbidity and Live Workshop

Indian Spine Society – 21 – 25 January, 2004

The Cloward Lecture – Aware State Endoscopic Laser Foraminoplasty: Patient Selection, Clinical Outcomes, Morbidity Foraminoplasty and Management of Spondylolitic Spondylolisthesis with Endoscopic Foraminoplasty

Joint Meeting of 11th Annual International Conference on Lumbar Fusion and Stabilisation and 2nd Spine Meeting of Paris – 16 - 17 January, 2004

Gieda Inter Rachis - 15 Annual Reunion Conference - 13 - 15 December, 2003 Back Stabbing to the Future – Isle of Man Post Graduate Meeting – 21 November, 2003

Endoscopically Determined Lumbar Sources of Pain and their treatment by Endoscopic Laser Foraminoplasty – Patient Selection and Outcomes and Live Operative Session

KOMULARS Conference in Seoul, Korea 8 November, 2003

Endoscopic Lumbar Pain Sources

The Yorkshire Pain Society – 31 October, 2003

Advances in Neurosurgery and Neurosciences and Live Operative Sessions

Neurosurgical Society of Indonesia - 18 - 23 August, 2003

Endoscopic Visualised Sources of Lumbar Pain and Referred Pain

Gieda Inter Rachis - 15 Annual Reunion Conference - 13 - 15 December, 2003

Foraminal Surgery in the Lumbar Spine

3rd World Congress Minimally Invasive Spinal Medicine and Surgery. 8 - 11 December, 2003, Phoenix, Arizona, USA

The Rationale for Endoscopic Laser Foraminoplasty. The Clinical Outcome and Morbidity of ELF in the Treatment of Chronic Lumbar Spondylosis, Failed Back Surgery and Spondylolitic Spondylolisthesis. The Use of Weight Bearing X-rays - The Technique - Detail, Tricks and Tips and Postoperative Rehabilitation

International Conference, Beijing. 30 October - 2nd November, 2002

Endoscopic Foraminoplasty : Illustrations and Results and Morbidity in Endoscopic Surgery

SPINE 2000, The 10th Spinal Surgery Course, Imperial College School of Medicine. 22 - 23 October, 2002

Disc Herniations Foraminoplasty

Conference on Sports Medicine and Orthopaedic Surgery. Lumbar Spine Pathology in Rowing Practice, Seville, Spain - 20 - 21 September, 2002

Lumbar Pain Sources Revealed by Aware State Endoscopy. Independent Clinical Outcome and Morbidity Studies of ELF. Endoscopic Aware State Treatment of Grade I - III Spondylolitic Spondylolisthesis

Dutch Symposium of the International College of Surgeons, Holland 13 - 14 September, 2002

Use and Application of Electromagnetic Wavelengths in Orthopaedic and Trauma Surgery

SICOT/SIROT 2002, 22nd World Congress - 23 - 28 August, 2002

The Endoscopic Treatment of Chronic Spondylosis : Elusive does not mean Untreatable

Post Graduate Course, The Institute of Osteopathic Post Graduate Studies. 18 May, 2002

Endoscopic Laser Foraminoplasty Diagnostic and Treatment Module

“Spine Total Care 2002” - Korea, 20 - 24 March, 2002

Poster Presentations

Britspine Meeting, Birmingham 27 February 2002

Endoscopic Foraminoplasty in the Management of Spondylolytic Spondylolisthesis.

AAOS Meeting, Dallas, USA
13-15 February 2002

SICOT/SIROT Annual Conference
Paris, France 30 August - 1 September 2001

Independent Outcomes and Morbidity Study

Diagnosis of relevance of Lumbar Foraminal Pain Sources Plus Workshop

14th ISLMS Meeting, Chennai, India 27-29 August 2001

Lectures and Workshop

8th IMLAS Meeting, Cartagena, Columbia
21-24 May, 2001

Foraminal Sources of Pain

Endoscopic Awake State Surgery

1st Chinese Conference on Minimally Invasive Surgery. Guangzhou, China
26 -30 April, 2001

Endoscopy of the spine - minimally invasive therapy 2 lectures -

1st Portuguese National Meeting on Neuro-endoscopy
Oporto, Portugal 26-27 January 2001

Matrix Degradation by Chondrocytes in the intervertebral disc is mediated by interleukin-1

Society for Back Pain Research, UMIST Manchester, 23-24 November 2000

Endoscopic Foraminoplasty in the Management of Spondylolytic Spondylolisthesis.

The Society for Back Pain Research, Bristol
2 November 2001

Endoscopy of Lumbar Pain Sources

Spine 2001 9th Meeting, Imperial College, London 24-26 October, 2001

The Diagnosis and Relevance of Lumbar Foraminal Pain Sources
20th Congress on Sports Medicine, Brugge, Belgium 19-20 October 2001

Lasers in Lumbar Spine Surgery
Nerve in-growth into painful intervertebral discs is mediated by nerve growth factor produced by endothelial cells of local blood vessels.
Society for Back Pain Research, UMIST Manchester - 23-24 November 2000

In Vitro gene transfer to human intervertebral disc chondrocytes by an adenovirus vector.
Society for Back Pain Research, UMIST Manchester 23-24 November 2000

3 Lectures - Hospitals and University
Argentina November 2000

Lectures and Workshop - University Hospital
Brazil November 2000
Endoscopic Lumbar Spine Surgery - Pandora's solution

South East Spine Club - Frimley Park Hospital
3 November 2000

Foraminal Sources of Pain
Spine Society of Europe, Antwerp
10-15 October 2000

World Spine Meeting, Berlin - 4 papers
29-31 August, 2000
Lecture to the National Back Pain Association, Blackpool - 12 July 2000

President - presenting 4 papers - A Prospective Study of 250 Consecutive Patients with Independent Evaluation
7th International Congress of the International Musculoskeletal Laser Society -
May 18-21 Vienna, Austria

'Back to the Future - The National ELF Service'
Theatre Nurses Lecture, The Highfield Hospital
Third World Congress - Athens, Greece, 10-13 May 2000

Lecture to the Chiropractic Organisation, Abingdon, Oxford - 15th April 2000

A Prospective Study of 250 Consecutive Patients with Independent Evaluation
American Society for Laser Medicine
Reno, Nevada 7-9 April 2000

Health Services Management Unit, University of Manchester -
30 November 1999

Fremap XXVI Symposium, Madrid 1-5 December 1999

Laser Discectomy and Posterior Wall Reconstruction
VI Brussels Conference, Degenerative Cervical Spine

Speaker - 3 papers and live performance in theatre
5th Adriatic Coast Laser Symposium - 24-25 September 1999

Endoscopic Laser Foraminoplasty - A two years Follow-Up of a Prospective Study on 200 Consecutive Patients.
Eurospine, Munich - 7-11 September 1999

Speaker and live performance in theatre
Columbia - 10-17 August 1999

Endoscopic Laser Foraminoplasty - A 2 year prospective study on 200 Consecutive patients
IITS - Cambridge - 1-5 August 1999

Endoscopic Surgery of the Spine
Minimally Invasive Neuro Surgery - Barcelona - 17- 20 June 1999

President and Keynote Speaker - Endoscopic Laser Foraminoplasty and Aware State Spinal Surgery. A Treatment Concept and 2 Year Outcome Analysis.
Ninth International Conference on Lumbar Fusion and Stabilisation, Shrigley Hall, Cheshire. June 1999

MACP Conference, Royal Free Hospital London - 15 May 1999

SICOT Meeting, Sydney, Australia - 16-26 April 1999

Professor Benezey visit at Montpellier Hospital - 25 March 1999

Endoscopic Laser Foraminoplasty and Aware State Spinal Surgery - a treatment concept and two year outcome analysis
2nd Joint Congress, Belgian Arthroscopy Society. 13 March 1999

Leicester Royal Infirmary, Rheumatology Meeting 11-12 March 1999

Britspine Meeting, Manchester, 3-4 March 1999

Endoscopic Laser Foraminoplasty
International Symposium, Brussels Belgium 20 November 1998

“The treatment of radial tears and annular leaks by KTP 532. Laser Disc Decompression and Posterior Wall Reconstruction.
North West Orthopaedic Association, Preston - 14 November 1998

Lasers in minimal invasive treatments of the degenerative Lumbar Spine
Belgium

“What is the place of lasers in Spinal Surgery”

Current Trends in Spinal Surgery, Hope Hospital, Manchester - 4 November 1998

Endoscopic Operations on the Spine”

Spine Society 1-4 October, 1998 – Vienna

Endoscopic Laser Foraminoplasty

National Back Pain Association Solihull, Birmingham - 9 September, 1998

Lasers in Spine Surgery

Spine Society
Ankaren, Slovenia - 4-6 September 1998

Leicester Meeting of GPs

“Endoscopic Laser Foraminoplasty - The Stepping Stone”

6th Endoscopic Conference, Rome - 1-7 June,98

“Endoscopic Laser Foraminoplasty (ELF) Early Experience”

IMLAS Meeting, Seville, Spain - 22-29 April 1998

“The Bio-Psychosocial Model - The Dumping Ground of The Diagnostically Destitute”

The Changing Face of Back Pain Management Meeting, Chester, 27 March 1998

“Lasers in Spinal Surgery” - Guest Lecture

Budapest 9-3 December 1998

Spinal Surgery in UK” Endoscopic Laser Foraminoplasty KTP 532 Laser Disc Decompression - 6 years experience

International Musculo-skeletal Laser Society - Japan - November 1997

2 Papers International Conference on Lumbar Fusion and Stabilisation

San Antonio, Texas - September 30- 4 October 1997

Slovenia Conference September 1997

2 Papers and live operating session

2nd European Advanced Spinal Surgery Forum

Chairman, Royal College of Surgeons, London
5 papers and 2 workshops

“Lasers in Spinal Surgery - Pathway to the Future”

Chiropractors Lytham St Annes June 1997

“KTP 532 Laser Disc Decompression and Endoscopic Laser Spinal Surgery Outcomes and Future Applications”

Luitpold Clinic, Bad Griesbach, Germany May 1997

“Endoscopic Laser Foraminoplasty - The Stepping Stone”

EFORT Congress, Barcelona, April 1997

Zurich Neumunster January 1997 - 2 papers

“Endoscopic Laser Foraminoplasty - The Stepping Stone”

British Orthopaedic Spine Society - Stoke on Trent
11 January 1997

“How Do They Do That”

BBC January 1997

“International Musculo-skeletal Laser Society

Kassel, 7th to 9th November 1997 4 papers

“Lasers at the Dawn of the Millennium”

Athens 25th to 27th September 1996

“Backs to The Future”

North West Pain Society Halifax, December 1996

“New Developments in Orthopaedics”

Health Services Management Unit
Manchester, August 1996

“1st European Advanced Spinal Surgery Forum”

Chairman, Manchester Royal Infirmary - 5 papers

“Endoscopic laser foraminoplasty - Early Experience”

“IITS Amsterdam, 8th to 12th May 1996

“Medicine Now”

BBC Radio, February 1996

“International Conference on Lumbar Fusion and Stabilisation”

October 1995 - 3 papers

“International Musculoskeletal Laser Society”

Lake Tahoe 1995 - 3 papers

“IITS”

La Jolla, California March 1995 - 3 Papers

“Balgrist”

June 1995 - 2 Papers

“KTP 532 Laser Disc Decompression outcome - Early Experience”
4th British Course on Percutaneous and Minimal Intervention Surgery in the Spine
RSM - November 1994

“Role of Keyhole Spinal Surgery in Achondroplasia”
Restricted Growth Society - October 1994

“Lasers in Spine”
Hammersmith Hospital - October 1994

“International Musculoskeletal Laser Society”
Neutchatel, September 1994 - 5 papers

“Balgrist”
June 1994 - 2 Papers

“Modern Surgical Intervention for Back Pain & Sciatica”
OA Torquay, 13th to 15th September 1993
National Conference for Chiropractors
Bath October 1993

“Percutaneous Discectomy and KTP Laser Disc Decompression - Outcome Study”
SICOT, Seoul, South Korea - September 1993

“Endoscopic Intradiscal Laser Surgery”
Oswestry Spinal Symposium - 11 July, 1993

“Endoscopic Intradiscal Discectomy”
Minimal Invasive Surgery Conference
Zurich, June 1993

“Comparison of Percutaneous Discectomy and KTP Laser Disc Decompression”

“Modern Medicine”
BBC Television, 20 April, 1993

“KTP Laser Disc Decompression - Efficacy Study”
Intradiscal Society, Phoenix, Arizona, 11 March, 1993

“Endoscopic Intradiscal Surgery - Stepping Stone to the Future”
North West Orthopaedic Club, Bateman Postgraduate Centre, March 1993

“Comparison of CAT & MRI Scans to Outcome”
Magnetic Resonance Imaging Conference
Alexandra Hospital, Cheadle, Manchester,
February 1993

Tomorrow's World"

BBC Television, February 1993

"Back Pain and Sciatica - Management & New Techniques"

General Practitioner Course

Bateman Postgraduate Centre, January 1993

"Back stabbing for Sciatica"

National Association of Theatre Nurses Conference

AMI Highfield Hospital, Rochdale, June 1992

"Laser Disc Decompression - Early Outcome Review"

Royal Society of Medicine, London, May 1993

"Back Stabbing for Back Pain"

Regional General Practice Teaching Course

Bateman Postgraduate Centre

Rochdale, September 1991

1st European Conference of Orthopaedics

Paris, France, 22 April, 1993

<p style="text-align: center;">NON SPINAL PRESENTATIONS TO LEARNED SOCIETIES</p>

"Carbon Prostheses"

The Tri-Service orthopaedic Meeting

"Battle Bones"

The Military Surgical Society, May 1985

"Stimulant Prostheses"

The Plymouth Medical Society, November 1984

"Anaerobic Osteomyelitis".

The British Orthopaedic Association, October 1981

"Biomaterials and Bioarthroplasties"

The Gauvain Society Scientific Meeting,

October 1981

"The Background and Future of Arthroscopy"

Symposium of Arthroscopy "Scope of the Future, Future of the Scope". Albert Einstein College of Medicine September 1980

"The History of Electricity Symposium of Electrical Stimulation of Non-Union,

Albert Einstein College of Medicine - June 1980

"The Synovial Response to a Carbon Fibre Composite"

The Albert Einstein Orthopaedic Alumni Association
Albert Einstein College of Medicine New York, June 1980

"CC2: The Biocompatibility and Osseous Response to a Pure Carbon.

The British Orthopaedic Research Society September 1979

"Can We Scrap Metal"

The American Travelling Fellows Association visit to
St. Thomas' Hospital, London 1969.

"Rehabilitation Following Hand Surgery".

The Wessex Hand Society Swindon,
February 1978

"Fibrinolysis and Postoperative Venous Thrombosis"

The Girdlestone Society Oxford, September 1977

"Postoperative Pulmonary Perfusion Defect, their Natural History, Origin and Significance"

Presented for the Moynihan Prize
The Association of Surgeons of Great Britain and Ireland - London, March 1977

Scientific Exhibit:

"Preliminary Report on the International Multi-Centre Multi-specialty Trial of Intermittent Compression and Wound Recovery"
The Sixth Combined Meeting of the Orthopaedic Associations of the English-speaking World.
London, September 1976

"Reduction of the Incidence of Deep Venous Thrombosis by Intermittent Compression of the Arms"

Abstract: Br. J. Surg. 1976 63 (8), 66
Edinburgh: July 1976

"Intermittent Compression of the Arms reduced the incidence of Post operative Thrombosis in the Legs: An explanation"

Abstract: European Spinal Research Society

"Fibrinolysis and Intermittent Compression"

Research in Progress Meeting
Massachusetts General Hospital, Massachusetts, October 1975

NON SPINAL LABORATORY RESEARCH

Orthopaedic Prostheses

I have carried out a series of bio-compatibility and bio-engineering studies on a number of variants of Carbon Fibre Reinforced Carbon, in collaboration, this has

lead to the development of a system of hip, knee and bone implants which are nearing the stage of clinical study.

Studies Include:

Histological and the systemic evaluation of the response to Carbon Fibre Reinforced Carbon and other potential prosthetic substance in animals. Immunological and cell culture studies of the Carbon Fibre Reinforced Carbon.

The development of an animal model designed to reproduce the clinical and microbiological features of infection arising around prostheses and subsequent comparative studies with Carbon Fibre Reinforced Carbon variants and metals. The evaluation of surface tissue egress through Carbon Fibre Reinforced Carbon implants

An evaluation of the bio-physical properties of Carbon Fibre Reinforced Carbon in collaboration (with E J Walker, Atomic Weapons Research Establishment and with Dr J Coutts, Ph.D, Dept. Mechanical Engineering University of Leeds, and with Dr J Coutts, Ph.D., Dept of Engineering, The City University, London).

The development of a 3-Dimensional Finite Element Analysis model for the design of anisotropic Carbon Fibre Reinforced Carbon human prostheses. The design of surface joint replacements fashioned from Carbon Fibre Reinforced Carbon and their evaluation by introduction to animals.

Fracture Healing

I have developed a physiological and quantitative model of fracture healing to evaluate the role of drugs and local hormones upon fracture healing. This model determines the rate of fracture healing by computer planimetry, radioisotopes and biochemical dye analysis. This has been followed by a pilot study of the effect of the inhibitory properties of Diflunisal and Indomethacin, prostaglandin synthetase inhibitors upon fracture healing.

NON SPINAL PUBLICATIONS

The Role of Fibrinolytic Activity and Intermittent Compression in the Prevention of Thromboembolism"

Master of Surgery Thesis prepared not submitted for the University of London. Entitled

"Materials present and new for Total Hip Replacement" "Disorders of the Hip Joint", Lippincott Author - D Gruebel Lee FRCS.

"The Effect of Pneumatic Intermittent Compression on the and After Fasciectomy" Hazarika EZ, Fraser-Moodie A, and Knight MTN FRCS The Hand Vol. 2, No 3 October 1979

The Stripping of Varicose Veins: A Clinical Trial of Intermittent Compression Dressings"

Melrose DG, Knight MTN and Simandl Er J Surg 1979, 66, 53

"Postoperative Pulmonary Perfusion Defects: Their Natural, History, Origin and Significance"

Knight MTN and Metrewelli CBr J Surg, 1977 64, 712

"Fibrinolytic Response to Surgery"

Knight MTN, Dawson R and Melrose DG, Lancet, 1977, ii, 370

"Effect of Intermittent Compression of the Arms on Deep Venous Thrombosis in the Legs"

Knight MTN and Dawson R, Lancet 1976, ii, 1265

"The History of Anatomy"

Life Encyclopædia, 1971

"Accurate knowledge about suicide"

M Knight MT, Furnham AF, Lester D
Psychol Rep 1999 Dec85(3Pt 1):1040
PMID: 10672767 (PubMed-indexed for Medline)

"Proceedings: Reduction of the incidence of deep vein thrombosis (DVT) in the legs by intermittent compression of the arms"

Knight MT, Dawson R Br J Surg 1976 Aug 63 (8) 668. PMID: 953518 (PubMed-indexed for Medline)

Letter: Pneumatic leggings and DVT

Knight MT, Calnan JS
Circulation. 1975 Nov. 52 (5) 966
PMID. 1175280 (PubMed - indexed for medline)

<p>PUBLICATIONS WITHHELD FOR PATENT PROTECTION</p>

"The Synovial Response to Carbon Reinforced Carbon Fibre"

Knight M.T.N.

"A Comparison of the Loaded and Unloaded Osteointegration of Carbon reinforced Carbon Fibre implants"

Knight M.T.N.

"The Pattern of Infection about Bioactive and about Metal Implants in Animals"

Knight M.T.N.

“The Wear Characteristics of Bio-active Carbon Reinforced Carbon Fibre Prostheses”

Knight M.T.N and Coutts J.

“The Physical Characteristics of Bioactive Carbon Reinforced Carbon Fibre”

Knight M.T.N. and Walker E.J.

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RECREATION

Skiing
Gardening
Model Trains

Foreign Travel
Special Cars
Good Wines

LANGUAGES

French at conversation and written level

COMMUNITY ACTIVITIES

I support local artistic and amateur dramatic societies. I enjoy a narrow boat and support local canal societies.

REFERENCES

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