Mr Ian J. Harding BA (Hons), FRCS (Tr and Orth)

Curriculum Vitae

April 2020

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Personal Details

Name

Ian James Harding

GMC number

4119742

Current NHS Position

Consultant Orthopaedic Spinal Surgeon treating all aspects of Spinal Surgery (adult and paediatric) including deformity, degenerative, tumour and trauma.

Department of Orthopaedics Southmead Hospital Bristol BS10 5NB

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Private practice

Spire Bristol BS6 6UT

Tel : 0117 980 4073 Email : ianhardingpa@spirehealthcare.com

Professional Affiliations

British Association Spinal Surgeons Fellow Royal College of Surgeons of England British Scoliosis Society Active Fellow Scoliosis Research Society

Education and Qualifications

2005	CCST awarded February in Trauma and Orthopaedics
2003	FRCS (Tr and Orth) - Birmingham
1998	FRCS (CsiG) England
1996	FRCS (part 1) in Applied Basic Science – London
1994	BMBCh Oxford University Clinical School
1991	BA (Hons) in Physiological Sciences – 1st Class
1990	1st BM (part 2) - distinction
1989	1st BM (part 1) – distinction
1988-94	Worcester College, Oxford University

Awards and Bursaries

2013	ISSLS Best Special Poster Prize
2013	Runner up BSS best presentation
2012	Scoliosis Research Society International Travelling Fellowship
2008	Best presentation award at Britspine 2008, Belfast
2004	AO Spine Fellowship in Spine Trauma, Seattle, USA
2003	BOA/Zimmer European Travelling fellowship
2000	Prize for best presentation at COC meeting - Milton Keynes
1998	Course Prize Whipps Cross Advanced Surgery Course
1997	Dooley Prize in Anatomy for teaching and prosection
1993	Grenfell Elective Association award - Newfoundland & Labrador
1991	College Prize for 1st Class in Final Honours Schools
1990	College Prize for distinction 1st BM (part 2)
1989-94	Scholarship at Worcester College, Oxford
1989	College Prize for distinction 1st BM (part 1)

Consultant Activities

In hospital:

I have a busy clinical practice treating all aspects of Spinal Pathology including paediatric and adult deformity, spinal trauma, infection, tumour and degenerative disease. Non-clinical activities include training junior doctors and clinical staff, British Scoliosis Society Executive (British Spine Registry), Research and medicolegal work (50:50 claimant/defendant)

Other professional activities:

2017 20	$M_{\rm e}$ 1 \sim 1 \sim 1 \sim 1 \sim 500/ \sim 500/ \sim 1 \sim 500/ \sim 1 \sim 500/ \sim 1 \sim 500/ \sim
2017-20	Medicolegal negligence work – 50% claimant/50% defendant
2017-20	British Scoliosis Society Executive
2016-20	Deputy Editor, Spine Deformity Journal
2015-16	Chairman, Awards and Scholarships Committee SRS
2012-16	Associate Editor, Spine Deformity Journal
2012-17	Awards and Fellowship Committee SRS
2006-20	Training and Education Contract with Medtronic Europe
2006-09	Founding member of Spinal Deformity Study Group – European Section
2005-10	Medico-legal work – personal injury work
2005-20	Private practice at Spire and Chesterfield Hospitals, Bristol and Waterside Suite, Weston
2009-12	Member of Awards Committee, British Scoliosis Research Foundation
2006-09	Health Care Commission – clinical advisor to Health Care Commission

Invited Lectures

2020	Advanced Spine Deformity Symposium, Berlin - 'Sagittal balance – do the goals justify the means?'
	- 'Strategies for severe curve correction'
2010	- 'From degen to deformity – tricks to gain balance'
2019	Skull to Sacrum, New York City, USA - '3CO or not 3CO'
2010	
2019	Advanced spine deformity symposium, Barcelona Spine
	 'Pseudarthrosis and construct failures, how to fix it right first time' 'Pre-operative planning: what are the parameters and what do we hope to achieve?'
2019	GP/Physio/Patient/Allied Health Professional study days, Bristol
2019	- 'Back pain'
	- 'Spinal stenosis'
	- 'Spinal deformity'
	- 'NICE guidelines'
2019	IMAST, Amsterdam, Netherlands
2017	- 'PJK after Adult Deformity Surgery- can we lower the incidence?'
	- 'Sagittal balance: Do the goals always justify the means?'
	- 'Building constructs for challenging deformities'
2019	Summer University Medtronic, London, UK
	- 'MIS – simply better?'
2019	Advanced Spine Deformity Symposium, Lisbon, Portugal
	- 'Avoiding the VCR'
	- 'Technique and pitfalls in PSO'
2019	South West Spine, Bristol, UK
	- 'Intergrating guidelines into clinical practice'
2018	British Scoliosis Society, Belfast, UK
	- 'Pre-operative assessment and planning, determining the right operation'
	- 'Minimising complications in neuromuscular scoliosis'
2018	Advanced spine deformity symposium, Barcelona Spine
	- 'Pseudarthrosis and construct failures, how to fix it right first time'
	- 'Pre-operative planning: what are the parameters and what do we hope to achieve?'
2018	Eurospine, Barcelona, Spain
2010	- Degenerative cases with demanding patient conditions, what are my solutions?
2018	GP/Physio/Patient/Allied Health Professional study days, Bristol
	- 'Back pain'
	- 'Spinal stenosis'
2017	- 'Spinal deformity'
2017	British Scoliosis Society, Birmingham, UK - 'Rib hump and derotation in Adolescent Idiopathic Scoliosis'
2017	Advanced Spine Deformity symposium, Barcelona, Spain
2017	- 'Principles thoracolumbar alignment - consequences of ageing on sagittal balance'
	- 'Pseudarthrosis and construct failures – how to fix it right first time'
2017	Bath Biomechanics Symposium, Bath, UK
2017	- 'The challenges of long fixations in the spine'
2017	Scoliosis Research Society, Philadephia, USA
2017	- 'Early instrumentation failure -2 cases'
2017	Online Eccelearning Spine Surgery Education Program www.eccelearning.com
	- 'Pelvic Fixation Options', Adult Deformity Module
2017	IMAST, Cape Town, South Africa
	- 'Spinal Stenosis: decompression alone or decompression and fusion?'
	- 'Lenke 2,4 and 6 curves: special considerations'
2017	Spinal Surgery Symposium, PUMCH, Beijing, China
	- 'Getting It Right First Time: How to limit complications in adult spinal deformity'

	- 'Adolescent Idiopatbic Scoliosis: What are we treating'?
2017	Thoracolumbar Anterior and Posterior Techniques, Newcastle, UK
	- 'Spinal osteotomies'
2017	Spinal Deformity Symposium, Warsaw, Poland
	- 'What's on the horizon for deformity surgery?'
	- 'Why operate? What makes you think there is more to gain than to lose from surgery?
2017	GP/Physio/Patient/Allied Health Professional study days, Bristol
	- 'Back pain'
	- 'Spinal stenosis'
	- 'Spinal deformity'
2016	Big Time Spine meeting, Hampshire, UK
0014	- 'Proximal junctional kyphosis and failure'
2016	British Scoliosis Society, Middlesbrough, UK
2016	- 'Pre-operative assessment and planning'
2016	GP/Physio study days, Bristol
	- 'Back pain'
	- 'Spinal stenosis'
0016	- 'Kyphosis'
2016	IMAST, Washington, USA
2016	- 'Defining the goals in approaching deformity'
2016	Dilemmas in Deformity, Exeter
	- 'Measurement or maladie' - 'Lordosis is the only game in town'
2016	Polish National Spine Society, Swiedorowska, Poland
2010	- 'Complications after sagittal balance restoration with PSO/SPO'
2015	Scoliosis Research Society, Minneapolis, USA
2013	- 'Adolescent Idiopathic Scoliosis Lenke 1c – modern practice'
2015	Adult Deformity Advanced Surgeon Course, Barcelona, Spain
2015	- 'Principles of thoracolumbar alignment and sagittal balance'
	- 'Surgical considerations in treating a patient with Parkinson's disease'
	- 'Pseudarthrosis and construct failures: how to get it right first time'
2015	South African Orthopaedic Association, Drakensburg, South Africa
2010	- 'Osteoporosis and vertebral fractures'
	- 'Degenerative spondylolisthesis'
	- 'Adult degenerative scoliosis: treatment options'
2015	Obstetric Anaesthesia Annual Meeting, Torquay
	- 'Spinal conditions relevant to obstetric anaesthesia'
2015	GP Study Days Bristol
	- 'Spinal stenosis'
	- 'Common spinal conditions'
	- 'Spinal deformity'
2015	Spine Deformity Symposium, Madrid, Spain
	- 'Compensatory mechanisms in adult spinal deformity'
2014	Eurospine, Lyon, France
	- 'Spinal osteotomies – how to maintain a stable construct?'
2014	British Scoliosis Society, Bristol
	- 'Adult Scoliosis – assessment and treatment'
2014	Britspine, Warwick
	- Debate: Should you correct all the deformity?
2014	Dilemmas in Deformity, Exeter
	- 'The road to hell is paved with good intention – what are we treating?'
2014	- 'Interbody surgery - front, back or side?'
2014	Adult Deformity, Leiden, Netherlands
2014	- 'How to achieve the reduction requested. When have you done enough?'
2014	GP Study Days, Bristol
	- 'The management of Spinal Tumours'

	- 'Causes of low back pain'
	- 'The assessment of Spinal Conditions'
2013	Wessex Spinal Symposium
	-'Scoliosis in the next 10 years'
2013	Passionate Spine Meeting, London
	- 'Clinical manifestations of sagittal imbalance'
2013	Bristol and Bath Bone Meeting
	- 'Vertebral augmentation in osteoporosis'
2013	South West Obstetric Anaesthetic Meeting, Taunton
	- 'Spinal pathology and surgery in obstetrics'
2013	AO Spine Forum, Bristol
	- 'Lumbo-sacral and pelvic parameters and why they matter'
2013	South West and Wessex Pain Meeting, Bristol
	- 'Surgical treatment of axial and radicular pain'
2013	Medtronic Summer University, Lisbon
	- 'Proximal junctional kyphosis'
2013	GP Study Days, Bristol
	- 'Common spinal complaints'
	- 'Recognition and management of spinal deformity'
	- 'Sports injuries and the spine'
2013	Adult Deformity, Leiden Netherlands
	- 'Principles and theory of sagittal balance'
	- 'Reduction strategies in sagittal imbalance'
	- 'Adult idiopathic scoliosis'
	- 'Adult degenerative scoliosis'
2012	Sagittal Balance Course, London, UK
	- 'Flat back deformity and failed back surgery'
	- 'Harmonious kyphosis and junctional kyphosis'
	- 'Lumbar stenosis and sagittal imblance – is decompression sometimes enough?'
2012	SRS Fellowship, Philadelphia, Dallas, St Louis, Chicago, USA
	- 'A slip above a slip – retrolisthesis above a lytic spondylolisthesis'
	- 'Spinal stenosis and spinal deformity'
2012	- 'The sagittal plane – an Englishman's perspective on a French obsession'
2012	IMAST, Istanbul, Turkey
2012	- 'Fixation problems in osteoporosis'
2012	GP Study Days, Bristol
	- 'The management of spinal metastases'
2012	- 'Risks and benefits of spinal surgery' Madtania Summer University, Roma
2012	Medtronic Summer University, Rome
2012	- 'The evidence for applying deformity principles to the degenerate spine' Oxford Higher Surgical Training Program
2012	- 'Adult deformity'
2012	Dilemmas in Deformity, Exeter
2012	- 'The sagittal plane in scoliosis'
	- The sagnal plane in scollosis - 'The case for classification in planning for AIS'
2012	Adult Deformity, Leiden Netherlands
2012	- 'Sagittal balance in adult spinal deformity'
	- 'Osteotomy options'
2012	Orthopaedic Surgeons in training conference, Bristol
2012	- 'Spinal surgery as a career'
2012	Metabolic Bone Disorders 2012. London
2012	- 'Minimally invasive surgical techniques in the treatment of fractures'
2012	Minimally invasive subject teeningues in the realment of fractures Minimally invasive solutions and sagittal imbalance, Amsterdam, Netherlands
	- 'Interspinous devices and clinical experience with DIAM'
2011	Scoliosis Association of UK, London
	- 'Adult Scoliosis'

2011	Current Spine Asia, Kota Kinabalu - 'Is PSO enough in adult deformity'
	- 'Osteotomies in spinal deformity surgery'
2011	SATS Spinal Study Day
	- 'Pitfalls in managing spinal stenosis'
2010	Association of Personal Injury Lawyers; Edinburgh
	- Back Pain – an orthopaedic perspective
2010	'Scrubs' Society University of Bristol
	- Spinal Anatomy and Surgery
2010	Spire Hospital Bristol
	- Kyphosis in the Spine
2010	South West Teaching Program
	- The failed back
	- Adult deformity
	- Spinal Fractures
2010	6th Advanced Deformity Meeting, Zurich
	- 'Avoiding sagittal plane malalignment'
2010	Britspine Liverpool 2010
	- 'The Sagittal Plane – the evidence'
2010	Spinal ESP course, Bristol
	- 'Stenosis and spinal deformity'
	- 'Assessment of the sagittal plane'
2010	Spinal ESP course, Taunton
	- 'Stenosis in adult spinal deformity'
2009	British Scoliosis Society
	- 'The Sagittal Plane for Englsih Speakers'
2009	Scoliosis Association of United Kingdom
	- 'Adult Scoliosis'
2009	Berlin Medtronic Summer University
	- 'Complications of Paediatric Spinal Deformity'
2009	South West Radiographers Group
	- 'Nuts and Bolts' in the Spine
2008	East Anglian Orthopaedic Meeting
	- 'Adult Scoliosis – recognition and treatment'
2008	Spire Hospital Bristol
	- Imaging the Spine
	- Spondylolysis and Spondylolisthesis
2008	Spinal deformity course, Geneva
	- 'Anterior interbody support in long adult fusions'
	- 'Apical derotation in scoliosis correction – does it happen?'
2007	CD Horizon Legacy Study Day, Edinburgh
	- 'Pelvic fixation in Spondylolisthesis'
2007	Oxford Teaching Program
	- 'Adult Scoliosis Management'
2007	Bristol Paediatric Grand Round
	- 'Paediatric Spinal Deformity'
2007	Planet GP Weston Study Day
	- 'Surgical Treatment of Back Pain'
2007	Orthopaedic Updates, Belle Plagne
	- 'Adult Scoliosis Management'
	- 'Metastatic Spine Disease'
2006	Specialist Physiotherapist Course/South West Spine
	- 'Management of Adult Scoliosis'
2006	Spinal Surgery Course, Lyon, France
	- 'Anterior approaches to the spine'
	- 'Spinal instrumentation techniques'

	- 'Novel techniques in Spinal Surgery'
2006	APCP Annual Conference, Glasgow
	- 'Advances in Spinal Surgery in Children'
2006	Royal Society Medicine, Back Pain Study Day
	- 'Back Pain – a Surgical Approach'
2006	South West England Neurmomuscular Information Update
	- 'Surgical Treatment of Neuromuscular Scoliosis'
2006	British Orthopaedic Association, Glasgow
	- 'Scoliosis in Cerebral Palsy'
2006	South West Paediatric Group, Barnstaple
	- 'Natural History of Scoliosis'
2006	European Instructional Spine Course, Windsor
	- 'Cervical Spine Trauma'
	- 'Anterior Approaches to the Spine'
2006	Trauma Symposium Royal Society of Medicine, London
	- 'Thoracolumbar fractures '
2006	BOA Instructional Course, Birmingham
	- 'Scoliosis in Cerebral Palsy'
2006	Physiotherapy training day, Bristol
	- 'What Spinal Surgery has to offer'
2006	Theatre Nurses training course, Bristol
	- 'Spinal Trauma'
2005	Lecturer Oxford Regional Teaching Day
	- 'Spinal Surgery – Bon Sens or Nonsense?'

Postgraduate Training Courses/Meetings Attended

* denotes invited lecturer †denotes invited faculty

2020	Medtronic Covid 19 Webinar Spine Care Worldwide†
2020	Covid 19 Webinar – perspectives form 3 countries†
2020	South West Spine Winter Meeting, Bath
2020	Advance Spine Deformity Symposiun, Berlin*†
2019	British Scoliosis Society, Cardiff, UK ⁺
2019	Skull to Sacrum, NewYork City, USA*†
2019	Cardiff University Spine Deformity Course
2019	Advanced Spine Symposium, Barcelona, Spain*†
2019	IMAST, Amsterdam, Netherlands*†
2019	Medtronic Summer University, London, UK*†
2019	Advanced Spine Deformity Symposium, Lisbon, Portugal*†
2019	South West Spine, Bristol, UK*
2019	British Scoliosis Society, Belfast, UK*†
2018	Eurospine, Barcelona, Spain*
2018	Advanced Spine Symposium, Barcelona, Spain*†
2018	IMAST, Los Angeles, USA†
2018	Britspine,Leeds, UK [†]
2017	British Scoliosis Society, Birmingham, UK*†
2017	Advanced Spine Symposium, Barcelona, Spain*†
2017	Bath Biomechanics Symposium, Bath, UK*†
2017	Scoliosis Research Society, Philadephia, USA*†
2017	IMAST, Cape Town, South Africa*†
2017	13th PUMCH Bone and Joint Surgery – Spine Symposium, Beijing, China*†
2017	British Association Spinal Surgeons, Manchester ⁺
2017	Thoracolumbar Anterior and Posterior Techniques, Newcastle, UK*†
2017	Learning from failures symposium, Warsaw, Poland*†
2017	Advanced spine deformity symposium, Warsaw, Poland*†
2016	Big Time Spine, Hampshire, UK*†
2016	British Scoliosis Society, Middlesborough, UK*†
2016	Scoliosis Research Society, Prague, Czech Repubic
2016	IMAST, Washington, USA*†
2016	Dilemmas in deformity, Exeter, UK* †
2016	Polish Spine Society, Swiederowska, Poland*
	Scoliosis Research Society, Minneapolis, USA*
2015	
2015	Adult Spinal Deformity Advanced Course, Barcelona, Spain*†
2015	Obstetric Anaesthesia Annual meeting, Torquay, UK*
2015	Spine Deformity Symposium, Madrid, Spain*†
2014	AO Spine, Davos, Switzerland*†
2014	British Scoliosis Society*
2014	Eurospine, Lyon, France*
2014	Scoliosis Research Society Annual Meeting, Anchorage, USA
2014	Britspine, Warwick, UK*†
2014	Advanced Spine Deformity Symposium, Dublin, Ireland*†
2014	Adult Deformity, Leiden Netherlands*†
2013	Spinal Symposium, Sandbanks, UK
2013	AO Spine Forum, Bristol, UK ^{†*}
2013	South West and Wessex Pain Meeting, Bristol, UK*
2013	North American Spine Society, New Orleans, USA
2013	Scoliosis Research Society, Lyon, France

2013	Medtronic Summer University, Lisbon, Portugal [†]
2013	South West Obstetric Anaesthesia, Taunton, UK*
2013	Current Debates in Spinal Surgery, Cardiff, UK†
2013	Passionate about spine, London, UK ^{†*}
2013	Advance Cervical Surgery, San Diego, USA
2013	Adult Deformity, Leiden Netherlands*†
2013	South West Spinal Surgery Group
2012	Sagittal Balance Course, London, UK*†
2012	SRS, Annual Meeting, Chicago, USA
2012	IMAST, Istanbul, Turkey*†
2012	Medtronic Summer University, Rome, Italy*†
2012	Britspine, Newcastle, UK
2012	Dilemmas in deformity, Exeter, UK*†
2012	Minimally invasive solutions and sagittal imbalance, Amsterdam, Netherlands*†
2012	Adult Deformity, Leiden Netherlands*†
2011	SRS annual congress, Louisville, USA
2011	Scoliosis Association UK adult deformity meeting, London*
2011	XLIF course, New York, USA
2011	SATS spinal study day, Bristol*
2011	Advanced Deformity Meeting, Stockholm, Sweden
2011	Current Spine Asia, Kota Kinabalu, Malaysia*†
2010	Association Personal Injury Lawyers, Edinburgh*†
2010	SRS annual congress, Kyoto Japan
2010	Britspine, Liverpool*
2010	Advanced Deformity Meeting, Zurich, Switzerland*†
2010	Minimal Access Surgery, Leiden, Netherlands
2009	IGASS Sagittal Plane Study Meeting, Lyon, France
2009	SRS annual congress, San Antonio, USA
2009	British Scoliosis Society, Edinburgh*
2009	Scoliosis Association UK meeting, Bristol *†
2009	Spinal Study Deformity Group Meeting – European Section, Amsterdam
2009	Groupe Etude Scoliose, Le Touquet, France
2009	Kyphoplasty users group meeting, London
2009	Spinal Study Deformity Group Meeting – European Section, Geneva
2009	Medtronic Summer University, Berlin*†
2008	SRS annual congress, Salt Lake City, USA
2008	8th Inspiration Spinal Meeting, Rome, Italy
2008	Spinal Deformity Course, Geneva, Switzerland*†
2007	SRS annual congress, Edinburgh, Scotland
2007	SRS travelling fellows, Berck Plage, France*
2007	IMAST, Nassau, Bahamas
2007	Orthopaedic Updates, Belle Plagne*†
2006	APCP Annual Conference, Glasgow*
2006	Royal Society Medicine, Back Pain Study Day *
2006	South West England Neuromuscular Information Update*
2006	Spinal Study Deformity Group Meeting – European Section - Istanbul
2006	Techniques in Spinal Deformity, Lyon, France ^{†*}
2006	AO Spine Forum, Bristol †
2006	British Orthopaedic Association, Glasgow*
2006	South West Paediatric Group, Barnstaple*
2006	SRS annual congress, Monterey, USA
2006	Kyphoplasty techniques - Netherlands
2006	European Instructional Spine Course, Windsor*†
2006	Trauma Symposium Royal Society of Medicine, London*†
2006	BOA Instructional Course, Birmingham*
2005	SRS annual congress, Miami, USA

2005	Faculty AO Basic Spine Module, Bristol*†
2005	Lecturer Oxford Regional Teaching Day*
2005	Faculty FRCS (Orth) course, Oxford †
2005	Spine stabilisation techniques course, Bordeaux, France
2005	Techniques in Spine Arthroplasty, Monte Carlo
2005	Groupe Etude Scoliose, St. Malo, France
2005	Spinal Deformity Symposium, Copenhagen, Denmark
2005	NHS Management Course, Oxford
2004	Spineweek, Oporto, Portugal
2004	Britspine, Nottingham
2004	FRCS (Orth) Course – Faculty - Oxford
2004	Groupe Etude Scoliose, Bruxelles, Belgium
2003 `	European Spine Course, Oberdorf, Switzerland
2003	FRCS (Orth) Course – Faculty – Oxford †
2003	BOA, Birmingham
2003	FRCS (Orth) Course, Oxford
2002	British Trauma Society, Leeds
2002	Hand Surgery, Nottingham
2002	Basic Science in Orthopaedics, Nottingham
2002	Changing the Culture – teaching course, Stratford
2002	Mobile Bearing Knee Replacements - Amsterdam
2002	BritSpine, Birmingham
2001	Spine, 9th course in Spinal Surgery, Imperial College, London
2001	BOA, Birmingham
2001	Current Concepts in Children's Orthopaedics, London
2001	Advanced Techniques in Arthroscopic Knee Surgery - RCS, London
2000	Wexham Cruciate Meeting - Slough
2000	Edinburgh Trauma Symposium - Edinburgh
2000	ATLS update course - Churchill Hospital, Oxford
1999	Basic and Intermediate Techniques in Arthroscopy - RCS, London
1999	Total Knee Replacement Course - RNOH, Stanmore
1999	Basic Ilizarov Technique - NOC, Oxford
1998	Basic AO course - Davos, Switzerland
1998	Clinical Surgery Course - Whittington Hospital, London
1998	Advanced Surgery Course - Whipps Cross Hospital, London
1997	Popumet Radiation Safety Course – Churchill Hospital, Oxford
1996	ATLS - High Wycombe, Bucks

1994 ALS - John Radcliffe Hospital, Oxford

Summary of experience in Spinal Surgery (prior to Consultant post)

AO Spine Fellowship – Nov-Dec 2004

Harborview Medical Centre, Seattle, USA with Jens Chapman MD

- adult trauma, degenerative, tumour and infection. Spinal instrumentation techniques.

Fellowship - Nov 2003-Oct 04

Spine Fellow of Daniel Chopin, Institut Calot, Berck Plage, France

- adult and paediatric deformity, degenerative, infection, tumour, late reconstructive, anterior cervical surgery (degenerative), all anterior and posterior approaches/instrumentation

Visiting Surgeon

2004	Tumour and trauma surgery at unit of Jurgen Harms, Karlsbad, Germany
2004	Disc Replacement with Thierry David, Arras, France

Specialist Registrar (Teaching Hospital)

2000/03	Complex Spinal Surgery including trauma reconstruction, tumours and infection during
	2x 6 months attached to John Radcliffe in Oxford
2002	6 months of solely Spinal Surgery at Nuffield Orthopaedic centre and John Radcliffe,
	covering all areas including adult and paediatric deformity surgery, degenerative disease,
	tumours and infections.

Specialist Registrar (other)

During the two years in District general hospitals I worked with Consultants who had specialist interest in Spinal Surgery – predominantly lumbar. Throughout my training I have seen and cared for patients with conditions of the Spine requiring urgent intervention. I have also attended courses and meetings, both national and international to facilitate my training.

Appointments prior to Consultant Appointment

Specialist Registrar Training Oxford Region

Specialist Registrar Year 7 Nuffield Orthopaedic Centre Oxford January 2005 – April 2005

Consultants: Mr J Fairbank, Mr J Wilson-McDonald, Mr G Bowden

Spinal surgery – deformity, infection, tumour, degeneration of cervical, thoracic and lumbosacral spine. General Orthopaedic on call.

Specialist Registrar Year 6 (Fellowship) Institut Calot

November 2003 –November 2004

Berck-sur-mer France

Chef de Service: Docteur Daniel Chopin

Adult and paediatric spinal surgery including degenerative spine disease, deformity and infection of the cervical, thoracic and lumbar spine. Extensive experience of many clinical problems, surgical approaches and difficult cases in this tertiary referral centre.

Specialist Registrar Year 5 Nuffield Orthopaedic Centre Oxford *July* 2003 – *October* 2003

Consultants: Prof A Carr, Mr P Burge, Mr I McNab

Upper Limb Unit – shoulder, elbow and hand service. Arthoscopic, open and microsurgical techniques. General Orthopaedic on call.

Specialist Registrar Year 5

January 2003 – June 2003

Trauma Unit (including complex Spine) John Radcliffe Hospital Oxford

Consultants: Mr P Worlock, Mr K Willett, Mr R Keys, Mr P Wilde, Mr R Handley Mr P Burge, Mr J Fairbank, Mr J Wilson-Mcdonald

Excellent experience, teaching and supervision in all aspects (both simple and complex) of Trauma Management including Pelvic and Spinal Trauma in a busy tertiary referral centre and teaching hospital with exposure to the management of hand trauma.

July 2002 – December 2002

Specialist Registrar Year 4 Nuffield Orthopaedic Centre Oxford

Consultant: Mr M. McNally

Deformity and Reconstruction Unit – infection, tumour, deformity surgery in adults and children with exposure to Plastic Surgical reconstruction and Ilizarov technique. General Orthopaedic on call.

Specialist Registrar Year 4 Nuffield Orthopaedic Centre Oxford January 2002 – June 2002

Consultants: Mr J Fairbank, Mr J Wilson-McDonald, Mr G Bowden, Trauma

Spinal surgery – deformity, infection, tumour, degeneration of cervical, thoracic and lumbosacral spine. General Orthopaedic on call. In addition I was responsible for all elective trauma work at the NOC.

Specialist Registrar Year 3 Nuffield Orthopaedic Centre Oxford July 2001 – December 2001

Consultant: Mr P McLardy Smith

Adult reconstruction – primary/revision hip and knee surgery. Attending other lists, meetings when available. General orthopaedic on call.

Specialist Registrar Year 3 Heatherwood Hospital Ascot Berkshire January 2001 – June 2001

Consultants: Mr R Allum, Mr G Deane, Mr J Jones

Elective orthopaedic surgery. Special interests of consultants include joint reconstruction, knee ligament reconstruction and lumbar spinal surgery. On calls at Wexham Park Hospital

Specialist Registrar Year 2 Wexham Park Hospital Slough July 2000 - December 2000

Consultants: Mr R Allum, Mr G Deane, Mr J Jones, Mr M Thomas, Mr A Unwin, Mr R Dega, Mr G Singer

Experience in Trauma, Paediatric Orthopaedic Surgery and Revision Hip/Knee Surgery in a busy District General Hospital. Wide exposure in clinic to all aspects of Orthopaedics. Achieved improved decision making skills on ward, in clinic and in the emergency department as well as continued improvement in surgical skills in the operating theatre.

Specialist Registrar Year 2 Trauma Unit John Radcliffe Hospital Oxford January 2000 – June 2000

Consultants: Mr P Worlock, Mr K Willett, Mr R Keys, Mr P Wilde, Mr R Handley Mr P Burge, Mr J Fairbank, Mr J Wilson-Mcdonald

Excellent experience, teaching and supervision in all aspects (both simple and complex) of Trauma Management including Pelvic and Spinal Trauma in a busy tertiary referral centre and teaching hospital. Valuable exposure to the management of hand trauma.

Specialist Registrar Year 1 Kettering General Hospital, Kettering. Northamptonshire January 1999 – December 1999

Consultants: Mr S Biswas, Mr R Barrington, Mr J Bromage

A broad experience gained in emergency and elective orthopaedic surgery in the outpatient clinic, on call and in the operating theatre. In addition, consultants with special interests enabled exposure to lumbar spinal, paediatric and shoulder surgery.

Orthopaedic Experience Prior to Specialist Registrar Appointment

Senior SHO OrthopaedicsJuly 1998 – December 1998Rowley Bristow Orthopaedic Unit
ChertseyConsultants:Mr R Hollingsworth, Mr R Simonis, Mr D Elliot

SHO Orthopaedics *February* 1998 – *June* 1998 Oldchurch Hospital Romford Consultant: Mr R King **SHO Orthopaedics** November 1996 – February 1997 Nuffield Orthopaedic Centre Oxford Consultant: Mr P McLardy-Smith, Mr D Murray, Mr C Dodd SHO Trauma August 1996 – November 1996 John Radcliffe Hospital Oxford Mr P Worlock, Mr K Willett, Mr R Keys, Mr P Wilde, Mr R Handley Consultants: Mr P Burge, Mr J Fairbank, Mr J Wilson-Mcdonald

Other Basic Surgical and Pre-Registration Training

SHO in General Surgery, Wexham Park Hospital, Slough	(August 1997 – February 1998)
SHO in Urology, Churchill Hospital, Oxford	(February 1997 – August 1997)
SHO in Accident and Emergency, Wycombe General, High Wycombe	(February 1996 – August 1996)
House Physician, Horton Hospital, Banbury	(February 1995 – August 1995)
House Surgeon, John Radcliffe Hospital, Oxford	(August 1994 – February 1995)

Teaching Appointments

I am a very enthusiastic teacher and teaching has been an important feature of my career to date. I have attended teaching courses and participated in teaching of students, paramedical staff and junior colleagues at all levels.

Educational Supervisor North Bristol NHS Trust Bristol	May 2005 - present
Honorary Senior Lecturer Bristol University Medical School Bristol	May 2005 - present
Orthopaedic Tutor University of Oxford Nuffield Orthopaedic Centre Oxford	July 2001 –November 2003
Demonstrator in Human Anatomy Department of Anatomy University of Oxford	August 1995-February 1996
College Lecturer in Human Anatomy Worcester College Oxford	September 1995 –July 1997

Research

Publications

Identifying scoliosis in population-based cohorts: automation of a validated method based on total body dual energy X-ray absorptiometry scans

Amir Jamaludin, Jeremy Fairbank, **Ian Harding**, Timor Kadir, Tim J Peters, Andrew Zisserman, Emma M Clark

January 2020 Calcified Tissue International 106(3)

Physical disruption of intervertebral disc promotes cell clustering and a degenerative phenotype Lama P, Claireaux H, Flower L, **Harding I**, Dolan T, le Maitre C, Adams M *Cell Death Discovery (2019) 5:154*

Spinal epidural lipomatosis following bilateral spinal decompression surgery Greenish D, Watura K, **Harding I**

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Association between physical activity and scoliosis: a prospective cohort study

Tobias JH, Fairbank J, Harding I, Taylor HJ, Clark EM.

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Reduction of Deep Infections and Length of Stay in Paediatric Spinal Deformity Surgery After the Introduction of A Standardised Care Pathway

DC Lavelle, **IJ Harding**, MJ Hutchinson, M Katsimihas, PA Torrie, SAC Morris, J Sacree, IW Nelson *Int J Orthopaedics 2018 Vol 5(3) 2018*

Nerves and blood vessels in degenerated intervertebral discs are confined to physically disrupted tissue.

Lama P, Le Maitre CL, **Harding IJ**, Dolan P, Adams MA. *J Anat. 2018 Apr 30 233(6)*

The relationship between sacral kyphosis and pelvic incidence

G Mckay, G Dempster, PATorrie, I Harding Asian Spine Journal Feb 2018, 12 (1): 74-79

Myelography in the Assessment of Degenerative Lumbar Scoliosis and Its Influence on Surgical Management

McKay G₁, Torrie PA₁, Bertram W₁, Landham P₁, Morris S₁, Hutchinson J₁, Watura R₁, **Harding I**₁ *Korean J Spine*. 2017 Dec;14(4):133-138. doi: 10.14245/kjs.2017.14.4.133. Epub 2017 Dec 31.

Coping with the ageing spine Ian J. Harding

Backbone, Spring 2017, SAUK journal

Pelvic tilt correlates with pain following traumatic spinal fracture

W Bertram, I Harding Orthopaedic Proceedings Volume 98-B, Issue SUPP 601 Feb 2016

Active Treatment for Idiopathic Adolescent Scoliosis (ACTIvATeS): a feasibility study

Mark A Williams, Peter J Heine, Esther M Williamson, Francine Toye, Melina Dritsaki, Stavros Petrou, Richard Crossman, Ranjit Lall, Karen L Barker, Jeremy Fairbank, **Ian Harding**, Adrian Gardner, Anne-Marie Slowther, Neil Coulson, Sarah E Lamb; on behalf of the ACTIvATeS study group.

Health Technology Assessment, No. 19.55 NIHR Journals Library; 2015 Jul.

The role of transitional vertebrae in the pathogenesis of degenerative lumbar scoliosis: an in vitro study

A Torrie, **I Harding**, J Hutchinson, I Nelson, M Adams, P Dolan *The Spine Journal 15 (2015) 67S*

The role of oblique spinous process abutment in the pathogenesis of degenerative lumbar scoliosis: an in vitro study

ATorrie, **I Harding**, J Hutchinson, I Nelson, M Adams, P Dolan *The Spine Journal, Volume 15, Issue 3, Supplement, s61*

Risk factors for the development of a mobile degenerative spondylolisthesis at L4/5.

S. Granuum, P.A.G Torrie, A. Miller, **I.J Harding** *Spine Deformity* (3) 2015: 98-104

The influence of lumbar spine subtype on lumbar intervertebral disc degeneration in young and middle-aged adults.

P.A.G Torrie, G McKay, R Bryne, SJ Morris, **I.J Harding** *Spine Deformity* (3) 2015:172-179

Significance of cartilage endplate within herniated disc tissue.

Lama P1, Zehra U, Balkovec C, Claireaux HA, Flower L, **Harding IJ**, Dolan P, Adams MA. *Eur Spine J.* 2014 Sep;23(9):1869-77

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The role of the pelvic parameters and the lumbar spine subtype in the aetiology of degenerative scoliosis

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The role of oblique (type 4) spinous process abutment in the aetiology of degenerative lumbar scoliosis.

PAG Torrie, R Purcell, SAC Morris, **IJ Harding**, P Dolan, MA Adams, IW Nelson, MJ Hutchinson. *Eur Spine J (2014) 23* (Suppl 1):S123 *The Spine Journal 15* (2015) 61S

The influence of lumbar spine subtype on lumbar intervertebral disc degeneration in young and middle-aged adults

PAG Torrie, G McKay, R Bryne, SAC Morris, **IJ Harding** *Eur Spine J* (2014) 23 (Suppl 1):S131.

Reducing deep infections following paediatric spinal deformity surgery.

D. Lavelle, S.A.C. Morris, A. Torrie, M. Katsimihas, J. Hutchinson, I.J. Harding, and I. Nelson *Bone Joint J 2014 96-B: (SUPP 6) 28.*

The use of intra-operative monitoring during spinal deformity surgery S.A.C. Morris, H. Marriott, P. Walsh, N. Kane, **I.J. Harding**, J. Hutchinson, I.W. Nelson *Bone Joint J 2014 96-B: (SUPP 6) 28, 29-29*

Anatomic risk factors for mobile degenerative spondylolisthesis at L4/5 S Grannum, A Miller, I Harding Bone Joint J 2014 96-B: (SUPP 6) 28, 12-12

The top 25 most influential Great British spine deformity publications

W Bertram, **I Harding**, I Nelson Orthopaedic Proceedings Volume 96-B, Issue SUPP 1501 Oct 2014

Complications and re-operation rates in adult scoliosis surgery single surgeon series

N. Upadhyay, P Robinson, I Harding

Orthopaedic Proceedings Volume 96-B, Issue SUPP_1501 Oct 2014

Abnormal cell metabolism in degenerated intervertebral discs: a response to matrix swelling following focal damage?

P Lama, HA Claireaux, L Flower, **IJ Harding**, P Dolan, MA Adams *Bone Joint J 2014 96-B:(SUPP 4) 18*

The significance of cartilage endplate within herniated disc tissue

P Lama, **IJ Harding,** P Dolan, MA Adams Bone Joint J 2014 96-B:(SUPP 4) 19

The role of lumbar spine subtype and pelvic incidence in the aetiology of degenerative scoliosis.

P. Torrie, R. Purcell, S. Morris, I. Harding, P. Dolan, M. Adams, I. Nelson, and J. Hutchinson *Bone Joint J (2014) 96-B: (Supp 6) 11.*

A Radiological Evaluation of Lateral Vertebral Subluation Associated With Spinal Stenosis in the Lumbar Spine in Degenerative Scoliosis

Richard O.E. Gardner, Peter A.G. Torrie, Wendy Bertram, Richard P. Baker, Ian J. Harding *Spine Deformity 1 (2013) 365-370*

Admission inflammatory markers and isolation of a causative organism in patients with spontaneous spinal infection

PAG Torrie, A Leonidou, **IJ Harding**, G Wynne Jones, MJ Hutchinson, IW Nelson Ann R Coll Surg Engl 2013; 95

Non-pharmacologic management of vertebral fracture E Clark, **I Harding**, R Lewis

Osteoporosis Review Winter 2013 21(3)

Do intervertebral discs degenerate before they herniate, or after?

P. Lama, C. L. Le Maitre, P. Dolan, J. F. Tarlton, I. J. Harding, M. A. Adams *Bone Joint J 2013;95-B:1127–33*

Identifying scoliosis in population based cohorts: development and validation of a novel method based on total body duel-energy xray absortiometric scans

Taylor HJ, Harding I, Hutchinson J, Nelson, I, Blom A, Tobias JH, Clark EM *Calci Tiss Int 2013 Feb 28 (Epub ahead of print)*

Annulus fissures are mechanically and chemically conducive to the ingrowth of nerves and blood vessels.

Stefanakis M, El-Abbasi MMS, **Harding I**, Pollintine P, Dolan P, Tarlton F, Adams MA Spine (Phila PA 1976) 2012 37(22):1883-91 Eur Spine J 2012 Supp 2 May 2012 s232-233

Can intervertebral discs degenerate after herniation rather than before? P Lama, CL LeMaitre, J Tarlton, P. Dolan, **IJ Harding,** MA Adams

J Bone Joint Surg Br 2013 Vol 95-B Supp 17,29

How far into a degenerated disc can nerves and blood vessels penetrate

P Lama, M Stefanakis, I Sychev, B Sumas, **IJ Harding**, P Dolan, MA Adams J Bone Joint Surg Br 2013 Vol 95-B Supp 17,16

A slip above a slip : A retro-listhesis above a lytic spondylolisthesis

J.S. Mehta, S. Kochhar, **I. Harding** *Eur Spine J. 2012 Nov 21(11):2128-33 J Bone Joint Surg Br 2012 94-B:(SUPP X) 093*

The relationship between sacral kyphosis and pelvic incidence

G Dempster, W Bertram, **I Harding** *Eur Spine J 2012 Supp 2 May 2012 s251-252*

The use of a novel low radiation method to assess prevalence of spinal curvature in a large population based cohort

HJ Taylor, **IJ Harding**, IW Nelson, JH Tobias, EM Clark Eur Spine J 2012 Supp 2 May 2012 s231-232

Brace treatment in idiopathic scoliosis: the case for treatment

Ian Harding

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Myelography in the assessment of adult degenerative scoliosis

W. Bertram, M. Katsimihas, I. Nelson, J. Hutchinson, **I. Harding** J Bone Joint Surg Br 2012 94-B:(SUPP X) 022. Spine: Affiliated Society Meeting Abstracts: 2010 - Volume - Issue - p 72–73

Complications of Spinal Deformity and Spinal Stenosis surgery in adults greater than 50 years old W. Bertram, **I. Harding** *J Bone Joint Surg Br 2012 94-B:(SUPP X) 105.*

Psychosocial considerations for children undergoing growing rod treatment for scoliosis: a review of the literature

W. Bertram, M. Katsimihas, I. Harding, I. Nelson, J. Hutchinson J Bone Joint Surg Br 2012 94-B:(SUPP X) 109.

Review of radiation exposure during fluoroscopically assisted pedicle screw placement in scoliosis corrective surgery

D. Hughes, J Hutchinson, I Nelson, **I Harding** *J Bone Joint Surg Br 2012 94-B:(SUPP XXVI)*.

Annulus fissures: An ideal microenvironment for the ingrowth of nerves and blood vessels into human intervertebral discs

MStefanakis, J Lou, **I Harding**, P Dolan, MA Adams J Bone Joint Surg Br Proceedings, 2012 94-B(SUPP I) 28

In growth of nerve and blood vessels into painful intervertebral discs

M. Stefanakis, I. Sychev, B.A. Summers, P. Dolan, **I. Harding**, M.A. Adams. *Spine 2012, Affiliated Society Meeting abstracts supplement October 2011*

The healing potential of intervertebral discs

M Stefanakis, MA Adams, M Sharid, R Gordon, GC Desmond, A Ritchie, A Kay and I Harding J Bone Joint Surg Br Proceedings, 2011 93-B(SUPP IV) 488-489

Abnormalities of the lumbar spine in the coronal plane on plain abdominal radiographs

RPBaker, M Kilshaw, R Gardner, S Charosky, and **IJHarding** *Eur Spine J. 2011 Mar;20(3):429-33. Epub 2010 Nov 11. J Bone Joint Surg Br Proceedings, 2011 93-B(SUPP I) 3 J Bone Joint Surg Br Proceeding, s2011 93-B:(SUPP I) 27 J Bone Joint Surg Br Proceeding, s2009 91-B(9SUPP III) 484*

The use and abuse of abbreviations in orthopaedic literature.

Kilshaw MJ, Rooker J, Harding IJ.

Ann R Coll Surg Engl. 2010 Apr;92(3):250-2. Epub 2010 Mar 10

Understanding sagittal balance with a clinical perspective. Harding IJ.

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Motor and sensitive axonal regrowth after multiple intercosto-lumbar neurotizations in a sheep model.

Vialle R, Lacroix C, **Harding I**, Loureiro MC, Tadié M. *Spinal Cord.* 2009 Nov 24. [Epub ahead of print]

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R. Gardner, E. Chaudhury, R. Baker, and **IJ Harding** *J Bone Joint Surg Br Proceedings*, Sep 2009; 91-B: 494 - 495 *J Bone Joint Surg Br Proceedings*, May 2009; 91-B: 358

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Vialle R, Mary P, **Harding I**, Tassin JL, Guillaumat M. *Orthopedics*. 2008 Mar;31(3):218

Lumbar disc degeneration below a long arthrodesis (performed for scoliosis in adults) to L4 or L5 Harding IJ, Charosky S, Vialle R, Chopin DH

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Transpedicular osteotomy in revision scoliosis surgery

S Charosky, **I J Harding**, R Vialle, and D Chopin J Bone Joint Surg Br Proceedings, Aug 2008; 90-B: 450

An audit of early results of monaxial verus polyaxial screw only constructs in the correction of adolescent idiopathic scoliosis

G Wynne-Jones, N Manidakis, **I Harding**, J Hutchinson, and I Nelson *J Bone Joint Surg Br Proceedings*, Aug 2008; 90-B: 477

Can the Perdriolle method of apex rotation be reliably applied in the presence of pedicle screw instrumentation?

M Ockendon, ROE Gardner, S Khan, **I Harding**, MJ Hutchinson, and IW Nelson *J Bone Joint Surg Br Proceedings*, Aug 2008; 90-B: 479

Lumbar disc degeneration below a long arthrodesis (performed for scoliosis in adults) to L4 or L5 IJ Harding, S Charosky, M Ockendon, R Vialle, and D Chopin J Bone Joint Surg Br Proceedings, Aug 2008; 90-B: 453

The paraspinal splitting approach: a possible approach to perform multiple intercosto-lumbar neurotizations: an anatomic study

Vialle R, **Harding I,** Charosky S, Tadié M Spine 2007 Oct 15;32(22):E631-4 **Treatment of knee flexion contracture due to central nervous system disorders in adults** Martin JN, Vialle R, Denormandie P, Sorriaux G, Gad H, **Harding I**, Dizien O, Judet T *J Bone Joint Surg Am.* 2006 Apr;88(4):840-5

Multiple lumbar plexus neurotizations of the ninth, tenth, and eleventh intercostal nerves Vialle R, Court C, **Harding I**, Lepeintre JF, Khouri N, Tadie M. *Clin Anat.* 2006 Jan;19(1):51-8.

Long term follow up of pulmonary function and rib hump following Schollner Costoplasty I J Harding, S Charosky, D Carrizo, C Delecourt, D Chopin Spine 2005 Jul 15;30(14):1627-31

The symptom of night pain in a back pain triage clinic I J Harding, E Davies, E Buchanan, J Fairbank *Spine* 2005 Sep 1:30(17):1985-8

Measurement of the Cobb Angle using the Oxford Cobbometer. Intraobserver variation M Rosenfeldt, **I Harding**, J Hauptfleisch, J Fairbank *Spine* 2005 Feb 15;30(4):440-3.

Outcome of Copeland Surface Replacement Shoulder Arthroplasty Thomas S, Chambler A, Wilson A, **Harding I**, Thomas M

J Shoulder Elbow Surg. 2005 Sep-Oct;14(5):485-91

Long term effect of costoplasty on pulmonary function and rib hump deformity in patients with adolescent idiopathic scoliosis

I. Harding, D Carrizo, S Charossky, and D Chopin *J Bone Joint Surg Br Proceedings* Sep 2005; 87-B: 237

Is the symptom of night pain important in the diagnosis of serious spinal pathology in a back pain triage clinic?

I. Harding, E. Davies, E. Buchanan, and J. Fairbank *J Bone Joint Surg Br Proceedings* Sep 2005; 87-B: 239

Osteonecrosis in retrieved femoral heads after failed resurfacing arthroplasty of the hip CP Little, A Ruiz, **IJ Harding**, P McLardy-Smith, R Gundle, DW Murray, N Athanasou *J Bone Joint Surg Br.* 2005 Mar;87(3):320-3

The symptom of night pain in a back pain triage clinic I J Harding, E Davies, E Buchanan, J Fairbank

The Spine Journal 4: No 5S, p30S, 2004

Histological findings in retrieved femoral head remnants following revision of hip resurfacing arthroplasty for early failure

I Harding, C Little, A Ruiz, D Murray, P McLardy-Smith, N Athanasou J Bone Joint Surg 86-B: Supp III, p366, 2004

The aetiology and outcome of 170 electrophysiologically proven symptomatic ulnar nerve lesions Harding IJ and Morris IM *Acta Orthop Belg* 69(5), 2003

The Serum Level of Cobalt and Chromium in a Dynamic Total Hip System V Psychoyios, **I Harding**, R Crawford, P McLardy-Smith, D Murray *J Bone Joint Surg* 85-B: Supp III, p225, 2003 **The aetiology and outcome of 170 electrophysiologically proven symptomatic ulnar nerve lesions Harding IJ** and Morris IM *J Bone Joint Surg* 85-B: Supp II, p96, 2003

Copeland Hemiarthroplasty of the Shoulder

A Wilson, A Chambler, S Thomas, **I Harding**, M Thomas *J Bone Joint Surg* 85-B: Supp I, p69, 2003

The Serum Level of Cobalt and Chromium in a Dynamic Total Hip System

I Harding, R Crawford, V Psychoyios, T Bonomo, T Delves, P McLardy-Smith, D Murray *Journal of Arthroplasty* 17(7), 893-895, 2002

The Importance of Colour and Number Coding of Radiographs in Clinical Practice Harding IJ and Pearce O *International Journal of Clinical Practice* 56(4) 247-248, 2002

The aetiology and outcome of 152 electrophysiologically proven symptomatic ulnar nerve lesions at the elbow Harding IJ and Morris IM

J Bone Joint Surg 84-B: Supp II, p190, 2002

The aetiology and outcome of 170 electrophysiologically proven symptomatic ulnar nerve lesions Harding IJ and Morris IM *Rheumatology* 40 (supp I) p133, 2001 Abstract published in J Bone Joint Surg. Orthopaedic Proceedings

The Use Of A Moulded Metacarpal Brace Versus Neighbour Strapping For Fractures Of The Little Finger Metacarpal Neck.

I J Harding, D Parry, R L Barrington Journal of Hand Surgery (British and European volume) 26B(3) 179-180, 2001

The Importance Of Intramedullary Entry Point For Total Knee Arthroplasty I J Harding, R Crawford, P McLardy-Smith, D Murray *The Knee* 6 (1999) 207-210

8 to 10 year Radiological Review of Polished and Matt Exeter Stems R Crawford, G Gie, I Harding, R Ling J Bone Joint Surg 81-B: Supp III, p300, 1999

A Long-term Survivor with Bladder Metastasis from Renal Cell Carcinoma Harding I J, Cranston D Int J Clin Practice 1998; 52(7):522

Presentations

A comparison of Cobb angle measurement on digitized radiographs with and without extrapolation extrapolation. Intra-observer measurement variability for Cobb Angles.

N Kumar, A Torrie, D Thomas, I Harding

- poster presentation British Scoliosis Society, Belfast 2018

Association between physical activity in early life and scoliosis: a prospective cohort study JH Tobias, J Fairbank, I Harding, HJ Taylor, EM Clark - poster presentation at Bone Research Society, Bristol, UK, 2017

Can degenerative lumbar scoliosis be initiated by anatomical asymmetry in the neural arch? Torrie PAG, Harding IJ, Hutchinson MJ, Dolan P, Adams MA - podium presentation at Bath Biomechanics Symposium, Bath 2017

Association between physical activity in early life and scoliosis: A prospective cohort study JH Tobias, J Fairbank, I Harding, HJ Taylor, EM Clark - poster presentation, Bone Research Society Meeting, Bristol, 2017

Practice audit of low profile Sacral alar Iliac (SAI) fixation in children with cerebral palsy N Upadhyay, I Nelson, PAG Torrie, IJ Harding, MJ Hutchinson, IW Nelson. - poster presentation British Scoliosis Society, Middlesbrough, UK, Oct 2016

The role of transitional vertebrae in the pathogenesis of degenerative lumbar scoliosis: an in vitro study

A Torrie, **I Harding**, J Hutchinson, I Nelson, M Adams, P Dolan - podium presentation British Association Spinal Surgeons, Bath, 2015

Complications and re-operation rates in Adult Scoliosis Surgery - Single Surgeon Series N Upadyhay, **I Harding**

- podium presentation, British Scoliosis Society, Bristol 2014

The role of oblique (type 4) spinous process abutment in the aetiology of degenerative scoliosis PAG Torrie, R Purcell, SJ Morris, IJ Harding, P Dolan, MA Adams, IW Nelson, MJ Hutchinson -poster presentation Britspine, Warwick, 2014

- podium presentation British Association Spinal Surgeons, Bath, 2015

The influence of lumbar spine subtype on lumbar intervertebral disc degeneration in young and middle aged adults

PAG Torrie, G McKay, R Bryne, SJ Morris, IJ Harding - special poster presentation Britspine, Warwick, 2014

The role of pelvic parameters and the lumbar spine subtype in the aetiology of degenerative scoliosis PAG Torrie, R Purcell, SJ Morris, IJ Harding, P Dolan, MA Adams, IW Nelson, MJ Hutchinson -poster presentation Britspine, Warwick, 2014

Abnormal cell metabolism in degenerated intervertebral discs: a response to matrix swelling following focal damage?

P Lama, HA Claireaux, L Flower, IJ Harding, P Dolan, MA Adams - podium presentation Society Back Pain Research, London 2013

The significance of cartilage endplate within herniated disc tissue

P Lama, IJ Harding, P Dolan, MA Adams

- podium presentation Society Back Pain Research, London 2013

Anatomic risk factors for mobile degenerative spondylolisthesis at L4/5

S Grannum, A Miller, I Harding

- podium presentation Eurospine, Liverpool, 2013

- podium presentation British Scoliosis Society,2013

The role of lumbar spine subtype and pelvic incidence in the aetiology of degenerative scoliosis

P Torrie, R Purcell, S Morris, I Harding, P Dolan, M Adams, I Nelson

- podium presentation at British Scoliosis Society, 2013

The role of oblique spinous process abutment in the aetiology of degenerative lumbar scoliosis

PAG Torrie, R Purcell, SJ Morris, **IJ Harding**, P Dolan, MA Adams, IW Nelson, MJ Hutchinson - poster presentation British Scoliosis Society, 2013

Reducing deep infections following paediatric spinal deformity surgery

D Lavelle, SAC Morris, A Torrie, M Katsimihas, J Hutchinson, **IJ Harding**, I Nelson. - podium presentation at British Scoliosis Society 2013

The use of intra-operative monitoring during spinal deformity surgery

SAC Morris, H Marriott, P Walsh, N Kane, **IJ Harding**, J Hutchinson, I Nelson. - podium presentation at British Scoliosis Society 2013. Runner up paper award

Smaller bones at aged 9 predicts scoliosis at aged 15: results from a population-based birth cohort

Clarke EMF, Taylor H, **Harding I**, Hutchinson J, Nelson IW, Tobias, JH. - poster presentation British Scoliosis Society, 2013

The role of oblique spinous process abutment in the aetiology of degenerative lumbar scoliosis. Torrie PAG, Purcell R, Morris SJ, **Harding IJ**, Dolan P, Adams MA, Nelson IW, Hutchinson MJ - poster presentation British Scoliosis Society, 2013

Definition of back pain in the selection criteria – how accurate is current research?

M Ismail, SAC Morris, IJ Harding

- podium presentation at BASS, Norwich 2013

Can intervertebral discs degenerate after herniation rather than before?

P Lama, CL LeMaitre, J Tarlton, P. Dolan, IJ Harding, MA Adams

- poster presentation ISSLS, Scottsdale, USA 2013

- podium presentation at SBPR, Isle of Man, 2012

- podium presentation Global Spine Congress, Hong Kong, 2013

The role of cell clusters in intervertebral disc degeneration

P Lama, L Spooner, JB Joseph, IJ Harding, P Dolan, MA Adams

- podium presentation Global Spine Congress, Hong Kong, 2013

How far into a degenerated disc can nerves and blood vessels penetrate

P Lama, M Stefanakis, I Sychev, B Sumas, IJ Harding, P Dolan, MA Adams

- podium presentation at SBPR, Isle of Man, 2012

- best special poster award ISSLS, Scottsdale, Arizona, USA 2013

The relationship between sacral kyphosis and pelvic incidence

G Dempster, W Bertram, I Harding

- podium presentation Britspine, Newcastle 2012

- e-poster, IMAST, Istanbul 2012

The use of a novel low radiation method to assess prevalence of spinal curvature in a large population based cohort

HJ Taylor, **IJ Harding**, IW Nelson, JH Tobias, EM Clark - podium presentation Britspine, Newcastle 2012

Annulus fissures encourage blood vessel and nerve ingrowth into degenerated intervertebral discs M Stefanakis, M Al-Abbasi, I Harding, P Pollintine, P Dolan, J Tarlton, MA Adams - podium presentation Britspine, Newcastle 2012

Ingrowth of nerve and blood vessels inside the disc increases with degeneration M. Stefanakis, I. Sychev, B.A. Summers, P. Dolan, **I. Harding**, M.A. Adams. - BORS, Cambridge, 2011

In growth of nerve and blood vessels into painful intervertebral discs

M. Stefanakis, I. Sychev, B.A. Summers, P. Dolan, **I. Harding**, M.A. Adams. - ISSLS, Gothenburg, 2011

Myelography in the assessment of degenerative scoliosis

W Bertram, M Katsimihas, MJ Hutchinson, IW Nelson, IJ Harding

- poster at Britspine, Liverpool 2010

- podium presentation SRS, Tokyo, 2010

Complications of spinal deformity surgery in adults greater than 50 years old W Bertram, **IJ Harding**

- poster at Britspine, Liverpool 2010

A Slip above a Slip: A Retro-Listhesis above a Lytic Spondylolisthesis

Jwalant S. Mehta FRCS (Orth) MCh(Orth) MS (Orth), Shivani Kocchar, Ian Harding

- e-Poster at IMAST, Vienna, 2009

- poster Britspine, Liverpool 2010

The coronal plane in adult degenerative scoliosis on radiographs and MRI

TM Barton, N Orpen, R Ahmed, IJ Harding

- podium presentation at Brtish Scoliosis Society, Leicester, 2009

The healing potential of human intervertebral discs

M Stefanakis, MA Adams, M Sharif, R Gordon, GC Desmond, A Ritchie, A Kay, **I Harding** - podium presentation at Society Back Pain Research, Chepstow, 2009

A new way of assessing sagittal balance: A radiologic study of 232 asymptomatic individuals

S Charosky, **IJ Harding**, R Vialle, E Berthonnaud, P Roussouly, D Chopin - podium presentation Scoliosis Research Society, Salt Lake City, 2008

Sagittal balance correction assessed with the C7 and pelvic tilts in 35 patients undergoing transpedicular osteotomy for severe sagittal imbalance

S Charosky, **IJ Harding**, R Vialle, E Berthonnaud, P Roussouly, D Chopin -eposter presentation Scoliosis Research Society, Salt Lake City, 2008

Abnormalities of the lumbar spine in the coronal plane on plain abdominal radiographs

R P Baker, M J Kilshaw, R Gardner, S. Charosky, I J Harding

- podium presentation Britspine 2008, Belfast

- eposter presentation IMAST 2008, Hong Kong

Patterns of lateral listhesis in degenerative scoliosis and MRI findings.

R Gardner, E Chaudhuri, G Wynne Jones, I J Harding

- podium presentation IMAST, Nassua, 2007

- e-poster SRS Budapest 2007
- podium presentation Britspine 2008

Transpedicular Osteotomy in Revision Scoliosis

S Charosky, I Harding, R Vialle, D Chopin

- podium presentation at Scoliosis Research Society, Monterey, 2006
- podium presentation at Bristpine, Cardiff

- podium presentation at SFCR, Paris 2005

An audit of early results of monaxial verus polyaxial screw only constructs in the correction of adolescent idiopathic scoliosis

G Wynne-Jones, N Manidakis, **I Harding**, J Hutchinson, and I Nelson - podium presentation Bristish Scoliosis Society, Dublin 2006

Can the Perdriolle method of apex rotation be reliably applied in the presence of pedicle screw instrumentation?

M Ockendon, ROE Gardner, S Khan, **I Harding**, MJ Hutchinson, and IW Nelson - podium presentation British Scoliosis Society, Dublin 2006

Lumbar disc degeneration below a long artrhodesis (performed for scoliosis in adults) to L4 or L5

I J Harding, S Charosky, R Vialle, D Chopin

- podium presentation at Scoliosis Research Society, Miami, 2005
- podium presentation at Britspine, Cardiff, 2006
- podium presentation at SFCR, Paris 2005

Is Night Pain a useful 'Red Flag' symptom in a back pain triage clinic?

I Harding, E Davies, E Buchanan, J Fairbank

- podium presentation Britspine, Nottingham, 2004

- podium presentation Eurospine/Spineweek, Porto, 2004
- podium presentation North American Spine Society, Chicago, 2004

Long term follow up of pulmonary function and rib hump following Schollner Costoplasty

I J Harding, S Charosky, D Carrizo, C Delecourt, D Chopin

- podium presentation Britspine 2004

Fonction respiratoire et gibbosité résiduelle après gibbectomie (dans les scolioses idiopathiques): résultats à long terme.

I Harding, S Charosky, D Carrizo, C Delecourt, D Chopin

- podium presentation (in French), Groupe Etude Scoliose, Bruxelles, 2004

Measurement of the Cobb Angle using the Oxford Cobbometer. Intraobserver variation

- I Harding, M Rosenfeldt, J Hauptfleisch, J Fairbank
- e-poster at SRS, Buenos Aires, 2004

- poster presentation at Britspine, Nottingham, 2004

- poster presentation at Europsine/Spineweek, Porto, 2004
- podium presentation at BOA, Manchester, 2004
- poster presentation at COA, Sydney, 2004

Histological findings in retrieved femoral head remnants following revision of hip resurfacing arthroplasty for early failure

I Harding, C Little, A Ruiz, D Murray, P McLardy-Smith, N Athanasou

- podium presentation EFORT 2003

Metal - on metal resurfacing arthroplasty - the early results

C Little, I Harding, A Ruiz, S Isaac, R Gundle, D Murray, P McLardy-Smith

- poster presentation BOA 2002

- poster presentation EFORT 2003

The Results of the Watson-Jones Anterolateral Approach to the Hip for Hemiarthroplasty in Patients with a Fracture of the Neck of Femur

I J Harding, D Melsum, P Worlock

- podium presentation BTS, 2002

A Review of the Copeland Shoulder Prosthesis

S Thomas, Wilson A, Chambler A, Harding I, Thomas M

- podium presentation at 9th ICSS, Washington, USA, 2004

- podium presentation at BOA, Birmingham, 2003

- podium presentation at the British Elbow and Shoulder Society, 2002

The Oxford Protocol for Management of Dislocated Total Hip Replacement

Ruiz A and Harding I

- podium presentation at British Hip Society, Keswick 2002

The Serum Level of Cobalt and Chromium in a Dynamic Total Hip System

V Psychoyios, I Harding, R Crawford, P McLardy-Smith, D Murray

- podium presentation at Hellenic Association of Orthopaedic Surgery, 2002

The aetiology and outcome of 152 electrophysiologically proven symptomatic ulnar nerve lesions at the elbow

Harding IJ and Morris IM - podium presentation at British Elbow and Shoulder Society, London, 2001

The aetiology and outcome of 170 electrophysiologically proven symptomatic ulnar nerve lesions Harding IJ and Morris IM

- podium presentation at BOA, 2001

- poster presentation at British Society for Rheumatology, Edinburgh, 2001

The Importance of Colour and Number Coding of Radiographs in Orthopaedic Practice

I J Harding, O Pearce

- poster presentation at BOA, 2001

The Use Of A Moulded Metacarpal Brace Versus Neighbour Strapping For Fractures Of The Little Finger Metacarpal Neck.

I J Harding, D Parry, R L Barrington - presented at Central Orthopaedic Club meeting 2000, Milton Keynes

The Importance Of Intramedullary Entry Point For Total Knee Arthroplasty

I J Harding, R Crawford, P McLardy-Smith, D Murray

- poster presentation Combined Orthopaedic Associations, Auckland. 1998

- poster presentation at ESKKA, Nice. 1998

8 to 10 year Radiological Review of Polished and Matt Exeter Stems

R Crawford, G Gie, I Harding, R Ling

- podium presentation at BOA annual meeting, 1998

BA in Physiological Sciences Degree

In 1992 I conducted 6 months of research, becoming proficient in basic laboratory technique, at the Department of Pharmacology, University of Oxford as part of my dissertation entitled:

' The Role of Intracellular and Extracellular Calcium Release Mechanisms in Guinea Pig Ileum Longitudinal Smooth Muscle'.

Grants awarded

ACTIvATeS: ACTive Treatment for Idiopathic AdolescenT Scoliosis - A feasibility study.

HTA Grant awarded from NIHR for £331,717 to Sarah Lamb, Karen Barker, Jeremy Fairbank, **Ian Harding**, Peter Heine, Ranjit Lall, Anne-Marie Slowther, Francine Toye, Mark Williams, Esther Williamson, Petrou Stavros and Neil Coulson. 2012-2013.

Healing potential of human intervertebral discs

Backcare funded £17,000 to Adams, Tarlton, Sharif, Key, Dolan and Harding

Other research activity

2010 Sub-investigator in EVIDENCE trial of Spinal Cord Stimulation v. Surgery for failed back surgery

2012-18 Associate editor/reviewer for Spine Deformity journal

2013-18 Associate Editor European Spine Journal

2018-19 Centre PI for SpinOUT spinal stenosis trial - NIHR grant awarded

Other Activities and Interests

Rowing	1990-94	Worcester College 1st VIII
_	1992-93	Henley Royal Regatta – Visitors and Temple Cups
	1993	Oxford University Lightweight VIII (half blue)
	1991-92	Captain of Boats, Worcester College
	1991-99	Single Sculling
	1995-00	Coaching Worcester College 1st VIII
	2014-20	City Of Bristol Rowing Club, sculling/rowing
Soccer	1989-94	Worcester College 1st XI goalkeeper
	1994-03	Regular 5-a-side football
Cricket	1986-88	Little Marlow CC
	1989-90	Worcester College 1st XI
	2000-03	Organised RNOH Stanmore v. NOC match
	1998-03	Club cricket
	2004-20	MCC membership
Running	1997	London Marathon completed for Red Cross
	2001-20	Regular leisure pursuit
	2009,14	Bath Half Marathon
	2010,13	Bristol Half Marathon
	2018	Cheltenham Half Marathon
Cycling	2002-20	Regular leisure pursuit
Triathlon	2002-16	Regular competitor in triathlons, sprint and Olympic
	2003	London Triathlon
	2003	Half Ironman UK Triathlon, Sherborne, Dorset
		- 1.9K swim, 90K bike, 22K run
St. John's	1996-98	Medical assistance and 1st aid at major events
French	2003	Intermediate French Course at Oxford Brookes University
	2004-20	French Speaking