

## Summary of interventional Training, Teaching and Experience.

My core medical training has been in General Medicine and Rheumatology. In the UK, Rheumatologists are involved in spinal care and are expected to have at least basic interventional skills. However, in response to unmet need I have developed interventional pain management for spinal pain as a significant subspecialty interest by means of in-service training and practice as described below.

### Service and Practice

I have provided a full open referral NHS service for the provision of interventional spinal pain management as part of my Rheumatology Department and subsequently independent consultant work as follows.

Maidstone and Tunbridge Wells NHS Trust.	1997 (approx.) to 2010.
The Horder Centre for Arthritis.	2010 – 2016
KIMS Hospital, NHS pain FCN referrals.	2016 – to date

### Activity in Specific advanced Procedures.

Coblation Nucleoplasty		
Lumbar	>100	
Cervical	20 (approx)	
Thoracic	10 (approx)	
Disc FX	> 195	
Transforaminal Endoscopic Discectomy	80	
Spinal Endoscopy	Numerous	Undertaken from 2008

### Interventional Training

Formal interventional training has been under the auspices of the Spinal Intervention Society (formerly the International Spinal Intervention Society) whom I believe set the optimal technical and scientific standards. This commenced in 2001 with systematic training in basic lumbar techniques and progressing from there. This core curriculum has been augmented by technique specific courses.

I have attended the following courses and training

Date	Attended
	<b>Training for Endoscopic Discectomy</b>
Nov 2007	Training Course at Alpha Klinik, Munich with Dr Hoogland
4-5 December 2008	Additional training. Dr Hoogland, Alpha Klinik, Munich to ensure familiarity and theatre management in company of Mr Richard Gullan
2009	Live theatre on two occasions. Dr Michael Hess, OCM Munich
2012	Further training, MaxMore Spinal Surgery Course, Amsterdam 2012 Additional live theatre in the company of Mr Michael Sharr. Dr Michael Hess, OCM Munich
25 May 2012	Mentorship. Dr Michael Hess for first 3 sessions in UK
2012 – to date	Routine use.
2017 – to date 2018	Live surgery collaboration and mentorship, KIMS Dr M Hess Invited Faculty. Max More Spine
	<b>General Training</b>

March 2019	SIS instructors masterclass. Phoenix Arizona.
15 February 2016 & 9 May 2016	Cervical sessions with Dr David Pang at KIMS Hospital
10 December 2016	Live Interventional Procedure Masterclass Guy's & St Thomas' (cervical epidural)
24 February 2017	EU Interventional Pain Cadaver Workshop, Netherlands (lumbar and cervical adhesiolysis)
24-25 October 2015	<b>Spine Intervention Society</b> - Clinical Anatomy and Imaging of the Spine – Fort Worth, TX
28 July – 1 <sup>st</sup> August 2015	<b>International spine Intervention Society</b> 23 <sup>rd</sup> Annual Scientific Meeting – Las Vegas, NV
14 March 2014	The Truth about Radiofrequency II – Guy's & St Thomas', London
6-7 December 2013	IV Hands-on Cadaver Workshop – Pain Intervention, Neuromodulation & Ultrasound Procedures - London
28 November 2013	Back Pain Seminar: Optimising the Diagnosis and Management of Patients with Back Pain - London
9-10 November 2013	<b>International Spine Intervention Society</b> Cervical Procedures Bio-Skills Lab – Amsterdam, Netherlands
25 September 2013	Vertebroplasty and Mechanical Augmentation Cadaver Workshop – University of Birmingham
April 2013	MAST – Modic Antibiotic Spinal Therapy Certification – Princess Grace Hospital, London
13 May 2013	Failed Back Surgery Syndrome - Guy's & St Thomas', London
30 November – 1 December 2012	III Peripheral Neuromodulation Masterclass - Guy's & St Thomas', London
22 – 23 September 2012	<b>International Spine Intervention Society</b> – Lumbar Procedures Bio-Skills Lab - Amsterdam, Netherlands
10 – 11 May 2012	Evidence and Guidelines Symposium on Interventional Pain Procedures – World Institute of Pain - London
28-29 November 2008	Certificate of Training Awarded for Percutaneous Vertebroplasty and Percutaneous Tumour De-Bulking -
28-29 November 2008	Certificate of Training Awarded for Percutaneous discectomy to perform lumbar and cervical Nucleoplasty procedures
13-14 November 2008	Advanced Course for Interventional Pain Management Disc Biacuplasty and Sacroiliac Joint Neurotomy – N.Ireland
27-28 April 2007	<b>International Spine Intervention Society</b> – Scientific Meeting : Update of Diagnostic and Therapeutic Procedures in Back and Neck Pain – Antwerp, Belgium
28-29 October 2006	<b>International Spine Intervention Society</b> – Cervical & Thoracic Workshop using Cadavers Muenster, Germany

19-20 March 2005	<b>International Spine Intervention Society</b> – Cervical Workshop using Cadavers – Munich, Germany
2-3 October 2004	<b>International Spine Intervention Society</b> – Phase 3 Cervical Workshop using Cadavers – Atlanta Georgia
1 October 2004	<b>International Spine Intervention Society</b> – Cervical Fluoroscopic Imaging Workshop using Cadavers – Atlanta Georgia
24-25 July 2004	<b>International Spine Intervention Society</b> – Radiofrequency Workshop using Cadavers – Memphis TN
24-25 April 2004	<b>International Spine Intervention Society</b> – 1 <sup>st</sup> European Scientific Meeting “Back and Neck Pain: Sources, Treatment and Evidence” – Amsterdam, Netherlands.
26 March 2004	Certificate of Training – for percutaneous cervical discectomy
7 – 8 February 2004	<b>International Spine Intervention Society</b> - Phase 4 Discography Spinal Injection Workshop using Cadavers. Orlando, Florida
1-2 November 2003	<b>International Spine Intervention Society</b> Phase 1 Lumbar Workshop using Cadavers Muenster, Germany
8 – 10 August 2003	<b>International Spine Intervention Society</b> ASM
8 February 2002	IntraDiscal Electro Thermal (IDET) Therapy Learning Centre, Basel Switzerland
2001	<b>International Spinal Injection Society</b> active member and Instructor