

Appendix 1

Name: Matthias Walter Richard Radatz

Address: 1 Brincliffe Gardens
Brincliffe
Sheffield S11 9BG

Date of Birth: 20 September 1965

Place of Birth: Berlin, Germany

Nationality: German

Marital Status: Married

GMC Registration No.: 4071080 Full Registration (Entry 1/94)
Specialist Register (Entry 6/97)

Medical Protection Society: 271563

British Medical Association: 7242449

CCST: 12 May 1997

Specialist Register: 2 June 1997

University:

Medical School: Free University of Berlin-Dahlem, Germany
(1985-1991)

Qualifications:

April 22, 1991 Third State Examination (Medical Degree)
Free University, Berlin, Germany

April 2, 1993 MD (Thesis on Dupuytren's contracture)
Free University, Berlin, Germany

May 12, 1997 CCST in Neurosurgery, Berlin, Germany

April 13, 2000 FRCS Royal College of London

Current Position:

I was appointed to my current position as consultant neurosurgeon in May 1999. From the beginning I have been involved in pre- and postgraduate training in form of lectures and attachments of students and junior doctors from HO to senior SPR level. As part of my special interest in training I have been a member of the BST-Committee and the Surgical Training Committee for many years and have been involved in the F2 pilot in Sheffield.

Since 2001 I have attended educational and clinical supervisor training courses which qualify me as educational and clinical supervisor for all grades.

I was fortunate enough to be in charge of the educational program within the department in the years leading up to the last SAC visit to Sheffield, which I organised.

I have been a regular examiner of the MB CHB in Sheffield.

I have always been very involved in the development of the department which led to my appointment as Lead Clinician in 2002. I held this position for over 5 years when I was appointed by the Yorkshire and Humber Deanery as Program Director for the Sheffield/Hull rotation. Additionally I have been appointed to serve as Member of the SAC in neurosurgery.

An annual appraisal (incl. 360) is part of my portfolio which supports regular CME /CPD activity as well as publications and research.

In my current post I have developed a specialist expertise in spinal and complex spinal surgery as well as stereotactic radiosurgery.

I have been the Lead Clinician for Spine for over 10 years and have established a state of the art spinal set up including full image guided facilities, multidisciplinary clinics and participate in a spinal MDT.

The Royal Hallamshire Hospital in Sheffield is a busy tertiary neurosurgical unit with a catchment area of over 2 million population. In my current post I deal routinely with all aspects of spinal and complex spinal surgery including surgery to the cervical, thoracic and lumbar spine with and without instrumentation as well as for spinal column and cord tumours and vascular abnormalities.

A specialist interest is image guided and -assisted spinal surgery.

I am the Director and have been Lead Clinician of the National Centre for Gamma Knife Radiosurgery in Sheffield with an excess of 800 patients throughput per year. My treatment portfolio comprises more than 3.500 treatments including specialist expertise in treating even rare conditions utilising all models of the Gamma Knife and witnessing its evolution over more than the

last decade. As a core-member I am representing Radiosurgery in the neuro-oncological and vascular MDT.

I am IRMER trained, the most recent update took place in 2015 and had extensive radiation protection training for diagnostic and treatment purposes including linac accelerator specifics.

I have been fully trained in the use and utilisation of the Gamma Knife and Cyber knife in the treatment for cranial and extra-cranial CNS lesions including the treatment of spinal metastasis.

I have comprehensive medico-legal experience in personal injury and negligence claims with a well balanced claimant/defendant ratio including joint expert conferences and court attendance (most recent 11/2015). I have been trained in court room and cross examination skills.

Offices:

Council Member Society of British Neurological Surgeons 2/2017 – now

President of the British Radiosurgery Society 9/2016 - now

Regional Specialty Professional Advisor (RSPA) for Neurosurgery in Yorkshire & The Humber 8/2015 - now

Member of CNS tumour CRG 1/2015 – 9/2016

Member of Stereotactic Radiosurgery Sub-group of the CNS tumour CRG 1/2015 – 9/2016

Chair of Stereotactic Radiosurgery CRG 7/2013 -12/2014

Director National Centre of Stereotactic Radiosurgery 6/2013 - now

Lead Clinician National Centre of Stereotactic Radiosurgery 6/2013 – 6/2016

Local Negotiating Committee Member
Sheffield Teaching Hospital NHS Foundation Trust
9/2012 - 9/2015

Specialist Advisory Committee Member
SAC Neurosurgery 6/2010 – 10/2015

Program Director Neurosurgery
Yorkshire and the Humber Deanery 12/2007 – 6/2011

Lead Clinician
Neurosurgery Royal Hallamshire Hospital 2002 – 8
Lead Clinician Spine 2/2001 – 5/2013

BST Committee Member/Surgical Training Committee Member 1999 – 6/2011

Trustee of Neurocare

Professional Education:

1985 – 1991	Free University of Berlin-Dahlem, Germany
23 04 90 – 10 08 90	Orthopaedics, University Hospital, Rudolf Virchow, Berlin
13 08 90 – 30 11 90	General Surgery, AVK Hospital, Berlin
03 12 90 – 22 03 91	General Medicine, AVK Hospital, Berlin
01 05 91 – 31 01 94	Trainee in Neurosurgery Department of Neurosurgery Krankenhaus Neukoelln, Germany
01 02 94 – 31 05 95	Career Registrar Department of Neurosurgery Royal Hallamshire Hospital, Sheffield
01 06 95 – 31 05 96	Senior Registrar Department of Neurosurgery Royal Hallamshire Hospital, Sheffield
01 06 96 – 12 05 97	Senior Registrar Department of Neurosurgery Krankenhaus Neukoelln, Germany
12 05 97 – 06 10 97	Specialist in Neurosurgery Krankenhaus Neukoelln, Germany
06 10 97 – 30 04 99	Specialist Registrar Department of Neurosurgery Radcliffe Infirmary Oxford

01 05 99 – present Consultant Neurosurgeon and Spinal Surgeon
Department of Neurosurgery
Royal Hallamshire Hospital
Glossop Road
Sheffield

Professional Memberships:

German Society of Neurosurgery 1993
Society of British Neurological Surgeons 1995
British Medical Association (BMA) 1997
Royal College of Surgeons 2000
Hospital Consultants and Specialists Association (HCSA) 2000
British Acoustic Neuroma Association (BANA) 2000
Medical Protection Society (MPS) 1999
Leksell Gamma Knife Society 1999
Expert Witness 2008

Publications:

Radatz M, Selmi F, Jakubowski J
Vascular reactivity of rat middle cerebral arteries to nimodipine in acute experimental subarachnoid haemorrhage (SAH).
British Neurosurgery Research Group, 4th Annual Meeting, Chollerford March 20/21, 1997 and Journal of Neurology, Neurosurgery & Psychiatry, July 1997, Vol 63, No 1, p125

Radatz M, Selmi F, Jakubowski J
Vascular reactivity of rat middle cerebral arteries to nimodipine in acute experimental subarachnoid haemorrhage (SAH).
48th Annual Meeting, German Society of Neurosurgery, Berlin April 27-30, 1997 and Zentralblatt für Neurochirurgie, Supplement 1997, p 79

Harris N, Ibrahim S, Radatz M, Ward JD
Measurements of oxygen saturation and blood flow in human sural nerve by microlightguide spectrophotometry Oxygen transport in Tissue XIV in Advances in experimental Medicine and Biology 412, ed. Harrison and Delpi Plenum Press P.15-20, 1997

Harris ND, Ibrahim S, Radatz M, Ward JD
Measurements of oxygen saturation in normal human sural nerve by microlightguide spectrophotometry and endoscopy Adv Exp Med Biol. 1997;428:15-20`

Radatz M, Jakubowski J, Cooper J, Powell T
Synovial cysts of the lumbar spine: a review British Journal of Neurosurgery, 1997; 11 (6): 520-4

Ibrahim S, Harris N, Radatz M, Selmi F, Jakubowski J, Ward JD
Sural nerve oxygen saturation and blood flow are reduced in patients with diabetic peripheral neuropathy Diabetic Medicine Vol. 14 Suppl. 10, A13, 1997

Ibrahim S, Harris N, Radatz M, Selmi F, Rajbhandari S, Brady L, Jakubowski J, Ward JD

- A new minimally invasive technique to demonstrate nerve ischaemia in diabetic neuropathy *Diabetologia* 1999 Jun;42(6):737-42
- Walton L, Hampshire A, Vaughan P, Forster DM, Kemeny AA, Radatz MW
Distortion in magnetic resonance images obtained for stereotactic localization. Case report *J Neurosurgery* 2000 Dec;93 Suppl 3:191-2
- Walton L, Hampshire A, Roper A, Mitchell P, Vaughan P, Forster DM, Kemeny AA, Radatz MW
Development of a relocatable frame technique for gamma knife Radiosurgery. Technical note *J Neurosurgery* 2000Dec;93 Suppl 3:198-202
- Warren DJ, Hoggard N, Walton L, Radatz MW, Kemeny AA, Forster DM, Wilkinson ID, Griffiths PD
Cerebral arteriovenous malformations: comparison of novel magnetic resonance angiographic techniques and conventional catheter angiography *Neurosurgery* 2001 May;48(5):973-82;discussion 982-3
- Major O, Szeifert GT, Radatz MW, Walton L, Kemeny AA
Experimental stereotactic gamma knife Radiosurgery. Vascular contractility studies of the rat middle cerebral artery after chronic survival *Neurol Res.* 2002 Mar;24(2):191-8
- O'Leary S, Hodgson TJ, Coley SC, Kemeny AA, Radatz MW
Intracranial dural arteriovenous malformations: results of stereotactic Radiosurgery in 17 patients *Clin Oncol (R Coll Radiol)* 2002 Apr;14(2):97-102
- Rowe JG, Radatz MW, Walton L, Kemeny AA
Changing utilization of stereotactic Radiosurgery in the UK: The Sheffield experience *Br J Neurosurg.* 2002 Oct;16(5):477-82
- Walton L, Hampshire A, Brownett C, Soanes T, Vaughan P, Rowe J, Radatz M, Kemeny A
Rotational movements of the automatic positioning system under load and their significance for patient treatments *J Neurosurg.* 2002 Dec;97(5 Suppl):569-73
- Soanes T, Hampshire A, Vaughan P, Brownett C, Rowe J, Radatz M, Kemeny A, Walton L
The commissioning and quality assurance of the automatic positioning system on the Leksell Gamma Knife *J Neurosurg.* 2002 Dec;97 (5 Suppl):574-8
- Vaughan P, Hampshire A, Soanes T, Kemeny A, Radatz M, Rowe J, Walton L
The clinical application of plugging patterns for the Leksell Gamma Knife *J Neurosurg.* 2002 Dec;97(5 Suppl):579-81
- Rowe JG, Radatz M, Walton L, Kemeny AA
Stereotactic Radiosurgery for type II neurofibromatosis acoustic neuromas: patient selection and tumour size *Stereotact Funct Neurosurg.* 2002;79(2):107-16
- Bari ME, Kemeny AA, Forster DM, Radatz MW
Radiosurgery for the control of glomus jugulare tumours *J Pak Med Assoc.* 2003 Apr;53(4):147-51
- Eaton SE, Harris ND, Ibrahim S, Patel KA, Selmi F, Radatz M, Ward JD, Tesfaye S
Increased sural nerve epineural blood flow in human subjects with painful diabetic neuropathy *Diabetologia* 2003 Jul;46(7):934-9. Epub 2003 Jun 19
- Cohen VM, Carter MJ, Kemeny A, Radatz M, Rennie IG
Metastasis-free survival following treatment for uveal melanoma with either stereotactic Radiosurgery or enucleation *Acta Ophthalmol Scand.* 2003 Aug;81(4):383-8
- Rowe JG, Radatz MW, Walton L, Soanes T, Rodgers J, Kemeny AA
Clinical experience with Gamma Knife stereotactic Radiosurgery in the management of vestibular schwannomas secondary to type II neurofibromatosis

- J Neurol Neurosurg Psychiatry. 2003 Sep;74(9):1288-93
- Rowe JG, Radatz MW, Walton L, Hampshire A, Seaman S, Kemeny AA
Gamma Knife Radiosurgery for unilateral acoustic neuromas
J Neurol Neurosurg Psychiatry. 2003 Nov;74(11):1536-42
- JG Rowe, L Walton, P Vaughan, I Malik, M Radatz, A Kemeny
Radiosurgical Planning of meningiomas: Compromises with conformity
Stereotact Funct Neurosurg 2004;82:169-174
- C Rajaraman, JG Rowe, L Walton, I Malik, M Radatz, AA Kemeny
Treatment options for von Hippel-Lindau's haemangioblastomatosis: the role of gamma
knife Radiosurgery British Journal of Neurosurgery, August 2004;18(4):338-342
- AA Kemeny, MWR Radatz, JG Rowe, L Walton, A Hampshire
Gamma Knife Radiosurgery for cerebral arteriovenous malformations
Acta Neurochir(2004) Suppl 91:55-63
- AA Kemeny, MWR Radatz, JG Rowe, L Walton, A Hampshire
Gamma Knife Radiosurgery for cerebral arteriovenous malformations
Gamma Knife Radiosurgery, European Standards and Perspectives, B Wowra, JC Tonn, A
Muacevic (eds), Springer Wien New York 2004
- AA Kemeny, MWR Radatz, J Rowe Stereotactic Radiosurgery, 139-152
Neurosurgery: Principles and Practice, Anne J. Moore, David W. Newell (EDS)
Springer-Verlag London Limited 2005
- Rowe J, Grainger A, Walton L, Radatz MW, Kemeny A Risk of malignancy after Gamma
Knife stereotactic radiosurgery Neurosurgery. 2007 Jan;60(1):60-5
- Kemeny AA, Radatz MW, Rowe JG, Walton L, Vaughan P Gamma Knife treatment for
cerebral arteriovenous malformations Prog. Neurol. Surg. 2007;20:206-11
- Rowe J, Grainger A, Walton L, Radatz M, Kemeny A Safety of radiosurgery applied to
conditions with abnormal tumour suppressor genes Neurosurgery. 2007 May;60(5):860-4
- Rowe J, Radatz M, Kemeny A. Radiosurgery for Type II Neurofibromatosis. Prog Neurol
Surg. 2008;21:176-82
- Warren DJ, Hoggard N, Walton L, Radatz MW, Kemeny AA, Forster DM, Wilkinson ID,
Griffiths PD. Cerebral arteriovenous malformations: comparison of novel magnetic
resonance angiographic techniques and conventional catheter angiography. Neurosurgery.
2007 Jul;61(1 Suppl):187-96; discussion 196-7.
- Nagy G, Razak A, Rowe JG, Hodgson TJ, Coley SC, Radatz MW, Patel UJ, Kemeny AA
Stereotactic radiosurgery for deep-seated cavernous malformations: A move toward more
active, early intervention. Clinical article. J Neurosurgery. 2010 Oct;113(4):691-9
- M Radatz, A Kemeny; Chapter: Stereotactic radiosurgery in the management of
arteriovenous malformations in children; Stroke and Cerebrovascular Disease in
Childhood; Vijeya Ganesan (Editor), Fenella Kirkham (Editor); ISBN:978-898683-34-6;
Hardcover 2010
- Nagy G, Rowe JG, Radatz MW, Hodgson TJ, Coley SC, Kemeny AA
A historical analysis of single-stage gamma knife radiosurgical treatment for large
arteriovenous malformations: evolution and outcome

Acta Neurochir (wien). 2012Mar;154(3):383-94

Dinca EB, Yianni J, Rowe J, Radatz MW, Preotiuc-Pietro D, Rundle P, Rennie I, Kemeny AA
Survival and complications following Gamma Knife radiosurgery or enucleation for ocular melanoma: a 20-year experience

Acta Neurochir (Wien).2012 Apr;154(4):605-10

Nagy G, Major o, Rowe JG, Radatz MW, Hodgson TJ, Coley SC, Kemeny AA
Stereotactic Radiosurgery for arteriovenous malformations located in deep critical regions
Neurosurgery.2012 Jun;70(6):1458-69; discussion 1469-71

Dinca EB, de Lacy P, Yianni J, Rowe J, Radatz MW, Preotiuc-Pietro D, Kemeny AA
Gamma Knife surgery for paediatric arteriovenous malformations: a 25-year retrospective study

J Neurosurg Pediatr.2012 Nov;10(5):445-50

Eduard B Dinca, Matthias W Radatz, Jeremy Rowe, Andras A Kemeny
Gamma Knife Radiosurgery for recurrent intracranial olfactory neuroblastoma (esthesioneuroblastoma): a case report

J Med Case Rep. 2012;6: 240