



CURRICULUM VITAE

JOHN ROBERT GOODDEN

MB BS (LOND), FRCS (NEURO.SURG)

CONSULTANT NEUROSURGEON (PAEDIATRIC & ADULT)
LEEDS GENERAL INFIRMARY

CLINICAL LEAD FOR PAEDIATRIC NEUROSCIENCES
LEEDS CHILDREN'S HOSPITAL AT THE LEEDS GENERAL INFIRMARY

HONORARY SENIOR LECTURER
UNIVERSITY OF LEEDS

HONORARY CONSULTANT NEUROSURGEON
HULL ROYAL INFIRMARY

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PERSONAL DETAILS

Name	John Robert GOODDEN
Address	Consultant Neurosurgeon, Leeds General Infirmary, Great George St, Leeds, LS1 3EX
Telephone	0113 392 8413 (Secretary)
e-mail	valerie.allerton@nhs.net (Secretary)
Web	http://www.leedsneurosurgery.com/consultants/goodden/
Marital Status	Married
Nationality	British
GMC Registration No.	4364803 – Full Registration – on Specialist Register for Neurosurgery

CURRENT APPOINTMENTS

2018 to date	Clinical Lead for Paediatric Neurosciences, Leeds Children's Hospital, Leeds General Infirmary
2010 to date	Consultant Adult & Paediatric Neurosurgeon, Leeds General Infirmary
2010 to date	Honorary Senior Lecturer, University of Leeds
2010 to date	Honorary Consultant Neurosurgeon, Hull Royal Infirmary
2012 to date	Ambassador for Caudwell Children's Charity
2012 to date	Trustee for North & West Yorkshire Association for Spina Bifida & Hydrocephalus
2018 to date	Medical Trustee for Candlelighters Charity

PROFESSIONAL COMMITTEES & DUTIES

2019 to date	NHS England Paediatric Neuroscience CRG Member
2016 to date	Specialist Neurosurgery Advisor for NICE
2014 to 2020	Joint Clinical Lead for Yorkshire / North East Paediatric Neurosciences Operational Delivery Network
2015 to 2016	Paediatric Neurosciences CRG Member, representing Yorkshire Senate
2013 to 2016	Brain & CNS Tumour CRG Member, representing Yorkshire Senate
2013 to date	Member of Steering Group for CtE for Selective Dorsal Rhizotomy
2011 to date	National Neurosurgery Training Selection Panel
2010 to date	SIOP-Europe Brain Tumour Group Member (Low Grade Glioma)

SPECIALIST INTERESTS

Paediatric Neurosurgery: Neuro-oncology (tumours), Hydrocephalus & Neuro-endoscopy, Trauma (incl non-accidental injury), VNS therapy for epilepsy, Spasticity Management (Selective Dorsal Rhizotomy SDR & Intrathecal Baclofen ITB), Chiari & syringomyelia, Spina bifida & dysraphism, Infections.

Adult Neurosurgery: Neuro-oncology (Low Grade Glioma & awake craniotomy; ependymoma, meningioma, glioma and other tumours), Complex Hydrocephalus, Neuro-endoscopy, Infections, Trauma, acute management of subarachnoid haemorrhage, Chiari & syringomyelia, spinal dysraphism.

QUALIFICATIONS & TRAINING

2008 – 2010	National Training Fellow in Paediatric Neurosurgery Alder Hey Children's Hospital, Liverpool
2008	Visiting Fellow in Paediatric Neurosurgery (July-August) Hôpital Necker - Enfants Malades, Paris, France
2008	European Examination in Neurosurgery Part 1 The European Association of Neurosurgical Societies
2007	FRCS (Neuro.Surg) Intercollegiate Specialty Board & Joint Committee on Intercollegiate Examinations
2003 – 2008	NTN Neurosurgery Registrar Training Sheffield-Hull Training Rotation
2000	MRCS (Eng) , The Royal College of Surgeons of England
January 1997	MB BS (Lond) , St. George's Hospital Medical School, London University

PROFESSIONAL STATEMENT

I studied Medicine at St George's Hospital Medical School, affiliated to the University of London, graduating in January 1997 with MB BS (Lond). Subsequently, my postgraduate training in surgery was completed in South-West London, with Basic Surgical Training posts including General Surgery, Vascular Surgery, ENT surgery, Orthopaedic surgery and Neurosurgery. I completed the MRCS (England) in 2000. My Neurosurgery Registrar training was in Sheffield and Hull, after also working at Hurstwood Park Neurological Centre, Haywards Heath.

I further supplemented my training with a period as Visiting Fellow in Paediatric Neurosurgery at the Hôpital Necker - Enfants Malades, Paris, France (Summer 2008), and then as the National Fellow in Paediatric Neurosurgery at Alder Hey Children's Hospital, Liverpool, from October 2008 to February 2010.

In February 2010, I moved to Leeds as Consultant Neurosurgeon (initially locum then substantive from August 2010). In this post I have particular specialist interests in paediatric neurosurgery and adult neuro-oncology.

Within paediatric neurosurgery, I am the Lead for spasticity management neurosurgical procedures. In 2012, I successfully brought Selective Dorsal Rhizotomy (SDR) to Leeds having studied the techniques in USA and then worked to build and develop a multidisciplinary team to deliver the service. By 2020 we have successfully performed >125 SDR operations with no significant complications. The results have been presented at International Conferences.

I am a Core Member of both the Adult and Paediatric Neuro-Oncology MDTs. Within my adult neuro-oncology portfolio, I jointly lead the Low Grade Glioma service and regularly perform Awake Craniotomies for resection of these tumours.

In 2010 I was appointed to the SIOP-Europe Brain Tumour Group, and am the Neurosurgical Lead for the Low Grade Glioma panel. From 2010-2014 I was Clinical Lead for SHO education & training for our department. Having handed over responsibility for day-to-day training matters, I maintain an interest in training. I am on the interview panel for National Selection for Neurosurgery Training.

I am a current member of the NHS England Clinical Reference Group (CRG) for Paediatric Neurosciences, having also served in 2015-16. In 2013-16 I served on the CRG for Adult Brain & CNS Tumours. These CRGs report to NHS England to help to direct future policy development and delivery.

I was on the Steering Group for the NHS England Commissioning through Evaluation process for Selective Dorsal Rhizotomy since its inception in 2013. In 2018 I was appointed to an SDR Policy Working Group with a remit to provide an SDR policy recommendation for NHS England in a tight deadline which was successfully met. The end result was that NHS England started routine commissioning of SDR from July 2018.

In 2014 I was part of the team that successfully developed and launched the North East Paediatric Neuroscience Network (NEPNN) – a collaborative network that oversees the delivery of the full range of paediatric neurosurgery care across the North East of England. I was then appointed as Joint Clinical Lead for the NEPNN and continue in this role.

In 2016 I was successfully appointed as Specialist Neurosurgery Advisor for NICE.

In July 2018 I was appointed as the Clinical Lead for Paediatric Neurosciences in Leeds. This appointment was renewed in 2021.

In May 2019 I was re-appointed to the NHS England Paediatric Neuroscience CRG.

Medico-legal expertise: I have been writing Expert Medicolegal reports since 2011, completing both Claimant and Defendant reports. I have had training in Expert Witness skills and Courtroom skills. I write 30-40 reports per year, with Claimant–Defendant split of approximately 70:30. My report expertise mirrors my NHS practice – with foci on Oncology (tumour treatment), head injury, hydrocephalus, Chiari, spina bifida & dysraphism, acute neurosurgery emergencies such as Subarachnoid haemorrhage, and children's neurosurgery (including child protection); further details above. My usual time from instruction to completion of report is about 4-6 weeks, depending on the case complexity and availability of the Client for examination. C&P examination assessments are usually performed in my Rooms at the Leeds Nuffield Hospital or at Leeds General Infirmary, although assessment closer to a client's home is sometimes possible.

I am on the AvMA and APIL (Tier 1) Registers of Experts and have been awarded the Bond Solon Cardiff University Expert Witness Certificate (July 2021).

PROFESSIONAL SOCIETIES

Royal College of Surgeons of England – Fellow
Society of British Neurological Surgeons – Full Member
British Paediatric Neurosurgery Group – Full Member
International Society of Paediatric Neurosurgery (ISPN) – Full Member
European Society of Paediatric Neurosurgery (ESPN) – Full Member
Society for Neuro-Oncology (SNO) – Full Member
European Association of Neuro-Oncology – Full Member
British Neuro-Oncology Group – Full Member
European Association of Neurosurgical Societies
British Medical Association; MDDUS; Christian Medical Fellowship

PREVIOUS NEUROSURGERY EMPLOYMENT HISTORY

Feb 2010 to Aug 2010	Locum Consultant Neurosurgeon , Leeds General Infirmary
Oct 2008 to Feb 2010	Paediatric Neurosurgery Fellow , Alder Hey Hospital, Liverpool
Jul 2006 to Sept 2008	SpR Neurosurgery , Hull Royal Infirmary, Kingston-upon-Hull
Jan 2003 to Jul 2006	SpR Neurosurgery , Royal Hallamshire Hospital, Sheffield
Oct 2001 to Jan 2003	Trust Grade SpR Neurosurgery , Hurstwood Park, Haywards Heath
Mar 2001 to Sept 2001	Locum SpR Neurosurgery , Hurstwood Park Neurological Centre, Haywards Heath
Aug 2000 to Feb 2001	SHO in Neurosurgery , Charing Cross Hospital, London

RESEARCH AND PUBLICATIONS

I am a reviewer for: **British Journal of Neurosurgery, World Neurosurgery, Child's Nervous System, Acta Neurochirurgica & BMJ Case Reports.**

I review research applications for **NIHR HTA.**

I also maintain an active interest in a number of clinical research projects.

I have previous experience as **Principal Investigator** for:

LOGGIC Europe – Paediatric Low Grade Glioma study – Neurosurgery Lead for UK

BASICS Trial – completed 2018-19

SDR Data Register Trial – completed 2018

I have previous experience as **Co-Investigator** for:

BIOMEDE Trial – Local Neurosurgery Lead for this trial. Involved in patient recruitment and in surgery under trial protocols.

ADAPT TBI study – Approaches and Decision for Acute Traumatic Brain Injury.

I have previously been involved in a randomised image-guided shunt insertion trial and a study looking at the early experience with intra-operative high-field 3T MRI in children.

Papers & Book Chapters

1. **A comparison of the extent of resection in pineal region tumours via the occipital transtentorial and supracerebellar infratentorial approaches.** Richards O, Gelder C, Nisar S, Wang K, **Goodden J**, Chumas P, Tyagi A. Br J Neurosurg. 2021 May 19:1-5. [DOI:10.1080/02688697.2021.1928601](https://doi.org/10.1080/02688697.2021.1928601)
2. **'Possible shunt malfunction' pathway for paediatric hydrocephalus-a study of clinical outcomes and cost implications.** Tong L, Higgins L, Sivakumar G, Tyagi A, **Goodden J**, Chumas P. Childs Nerv Syst. 2021 Feb;37(2):499-509. [DOI:10.1007/s00381-020-04878-y](https://doi.org/10.1007/s00381-020-04878-y)
3. **Intrathecal baclofen pumps in the management of hypertonia in childhood: a UK and Ireland wide survey.** Lodh R, Amin S, Ammar A, Bellis L, Brink P, Calisto A, Crimmins D, Eunson P, Forsyth RJ, **Goodden J**, Kaminska M, Kehoe J, Kirkpatrick M, Kumar R, Leonard J, Lording A, Martin K, Miller R, Mordekar SR, Pettorini B, Smith M, Smith R, Sneade C, Whitney A, Vloeberghs M, Zaki H, Lumsden DE. Arch Dis Child. 2021 Apr 14:archdischild-2020-321487. [DOI:10.1136/archdischild-2020-321487](https://doi.org/10.1136/archdischild-2020-321487)

4. **Augmented reality for the virtual dissection of white matter pathways.** Ille S, Ohlerth AK, Colle D, Colle H, Dragoy O, *Goodden J*, Robe P, Rofes A, Mandonnet E, Robert E, Satoer D, Viegas CP, Visch-Brink E, van Zandvoort M, Krieg SM. *Acta Neurochir (Wien)*. 2021 Apr;163(4):895-903. [DOI:10.1007/s00701-020-04545-w](https://doi.org/10.1007/s00701-020-04545-w)
5. **Recovery of major cognitive deficits following awake surgery for insular glioma: a case report.** O'Hara DJ, *Goodden J*, Mathew R, Chan R, Chumas P. *Br J Neurosurg*:1–5, 2020 [DOI:10.1080/02688697.2020.1825620](https://doi.org/10.1080/02688697.2020.1825620)
6. **Quality of life after selective dorsal rhizotomy: an assessment of family-reported outcomes using the CPQoL questionnaire.** Robins JMW, Boyle A, McCune K, Lodh R, *Goodden JR*: *Childs Nerv Syst* 36:1977–1983, 2020 [DOI:10.1007/s00381-020-04546-1](https://doi.org/10.1007/s00381-020-04546-1)
7. **Intrathecal baclofen therapy in children with cerebral palsy.** Lodh R, Mulkeen A, Peacock S, Wilshire C, *Goodden J*. *Paediatrics and Child Health* 30:288–295, 2020 [DOI:10.1016/j.paed.2020.05.004](https://doi.org/10.1016/j.paed.2020.05.004)
8. **Selective dorsal rhizotomy; evidence on cost-effectiveness from England.** Pennington M, Summers J, Coker B, Eddy S, Kartha MR, Edwards K, Freeman R, *Goodden J*, Powell H, Verity C, Peacock J. *PLoS ONE* 15:e0236783, 2020 [DOI:10.1371/journal.pone.0236783](https://doi.org/10.1371/journal.pone.0236783)
9. **Anesthesia management for low-grade glioma awake surgery: a European Low-Grade Glioma Network survey.** Arzoine J, Levé C, Pérez-Hick A, *Goodden J*, Almairac F, Aubrun S, Gayat E, Freyschlag CF, Vallée F, Mandonnet E, Madadaki C, collaborators of the ELGGN. *Acta Neurochir* 162:1701–1707, 2020 [DOI:10.1007/s00701-020-04274-0](https://doi.org/10.1007/s00701-020-04274-0)
10. **Children's Cancer and Leukaemia Group (CCLG): review and guidelines for the management of meningioma in children, teenagers and young adults.** Szycho E, *Goodden J*, Whitfield G, Curry S. *Br J Neurosurg* 34:142–153, 2020 [DOI:10.1080/02688697.2020.1726286](https://doi.org/10.1080/02688697.2020.1726286)
11. **Biopsy in diffuse pontine gliomas: expert neurosurgeon opinion – a survey from the SIOPE brain tumor group.** Tejada S, Aquilina K, *Goodden J*, Pettorini B, Mallucci C, van Veelen M-L, et al. *Childs Nerv Syst* 36:705–711, 2020 [DOI:10.1007/s00381-020-04523-8](https://doi.org/10.1007/s00381-020-04523-8)
12. **BOOK CHAPTER Spasticity.** *Goodden JR*, Hernon C, Scott B, in Kirillos R, Helmy A, Thomson S, Hutchinson P(eds): **Oxford Textbook of Neurological Surgery**. 2019, pp 1–23. Available: [SpasctityChapter-link](https://www.oxfordtextbookofneurology.com/chapter/10.1093/neuros/nyz063).
13. **Predictors of Epileptic Seizures and Ability to Work in Supratentorial Cavernous Angioma Located Within Eloquent Brain Areas.** Zanello M, *Goodden JR*, Colle H, Wager M, et al. *Neurosurgery* 35:82, 2019 [DOI: 10.1093/neuros/nyz063](https://doi.org/10.1093/neuros/nyz063)
14. **SIOP-E-BTG and GPOH Guidelines for Diagnosis and Treatment of Children and Adolescents with Low Grade Glioma.** Gnekow AK, Kandels D, van Tilburg C, Azizi AA, Opocher E, Stokland T, Hernaiz Driever P, Schouten-van Meeteren AYN, Thomale UW, Schuhmann MU, Czech T, *Goodden JR*, Warmuth-Metz M, Bison B, Avula S, Kortmann RD, Timmermann B, Pietsch T, Witt O. *Klin Padiatr* 231:107–135, 2019 [DOI:10.1055/a-0889-8256](https://doi.org/10.1055/a-0889-8256)
15. **Selective dorsal rhizotomy in ambulant children with cerebral palsy: an observational cohort study.** Summers J, Coker B, Eddy S, Elstad M, Bunce C, Bourmpaki E, Pennington M, Aquilina K, Cawker S, Edwards R, *Goodden J*, Hawes S, McCune K, Pettorini B, Smith J, Sneade C, Vloeberghs M, Patrick H, Powell H, Verity C, Peacock JL, for the Selective Dorsal Rhizotomy Steering Committee. *Lancet Child Adolesc Health* 3:455–462, 2019 [DOI:10.1016/S2352-4642\(19\)30119-1](https://doi.org/10.1016/S2352-4642(19)30119-1)
16. **Chiari I malformation and altered cerebrospinal fluid dynamics-the highs and the lows.** Mukherjee S, Kalra N, Warren D, Sivakumar G, *Goodden J*, Tyagi A, Chumas P. *Childs Nerv Syst* 35:1711–1717, 2019 [DOI:10.1007/s00381-019-04233-w](https://doi.org/10.1007/s00381-019-04233-w)
17. **Chemotherapy and diffuse low-grade gliomas: a survey within the European Low-Grade Glioma Network.** Darlix A, Mandonnet E, Freyschlag CF, Pinggera D, Forster MT, Voss M, Steinbach J, Loughrey C, *Goodden JR*, Banna G, Di Blasi C, Foroglou N, Hottinger AF, Baron MH, Pallud J, Duffau H, Rutten GJ, Almairac F, Fontaine D, Taillandier L, Viegas CP, Albuquerque L, von Campe G, Urbanic-Purkart T, Blonski M. *Neuro-Oncology Practice* 6:264–273, 2019 [DOI: 10.1093/nop/npy051](https://doi.org/10.1093/nop/npy051)
18. **Surgical resection of cavernous angioma located within eloquent brain areas: international survey of the practical management among 19 specialized centers.** Zanello M, Meyer B, Still M, *Goodden JR*, Colle H, Schichor C, et al. *Seizure*:2019 [DOI: 10.1016/j.seizure.2019.03.022](https://doi.org/10.1016/j.seizure.2019.03.022)
19. **Current epidemiology of cerebrospinal fluid shunt surgery in the UK and Ireland (2004-2013).** Fernández-Méndez R, Richards HK, Seeley HM, Pickard JD, Joannides AJ, *UKSR collaborators*. *J Neurol Neurosurg Psychiatr* 90:747–754, 2019 [DOI: 10.1136/jnnp-2018-319927](https://doi.org/10.1136/jnnp-2018-319927)
20. **Imaging practice in low-grade gliomas among European specialized centers and proposal for a minimum core of imaging.** Freyschlag CF, Krieg S, Kerschbaumer J, Pinggera D, Forster MT, ... *Goodden J*, De Witt Hamer PC, Pallud J, Bello L, Thomé C, Duffau H, Mandonnet E. *J Neurooncol* 139:699–711, 2018 [DOI: 10.1007/s11060-018-2916-3](https://doi.org/10.1007/s11060-018-2916-3)
21. **Response to the letter to the editor Systemic inflammatory response in pediatric central nervous system tumors.** Wilson JRF, Chumas P, *Goodden J*, Tyagi A, Sivakumar G. *Acta Neurochir* 160:1217–1218, 2018 [DOI: 10.1007/s00701-018-3543-7](https://doi.org/10.1007/s00701-018-3543-7)

22. **Health economic evaluation of a serum-based blood test for brain tumour diagnosis: exploration of two clinical scenarios.** Gray E, Butler HJ, Board R, Brennan PM, Chalmers AJ, Dawson T, *Goodden J*, Hamilton W, Hegarty MG, James A, Jenkinson MD, Kernick D, Lekka E, Livermore LJ, Mills SJ, O'Neill K, Palmer DS, Vaqas B, Baker MJ. *BMJ Open* 2018;8:e017593. [DOI: 10.1136/bmjopen-2017-017593](https://doi.org/10.1136/bmjopen-2017-017593)
23. **In Reply to the Letter to the Editor "Actual Oncologic Impact of Radical Surgical Resection for Malignant Gliomas".** Al-Tamimi YZ, Duffau H, *Goodden J*, Chumas P. *World Neurosurg* 112:310, 2018 [DOI: 10.1016/j.wneu.2018.01.185](https://doi.org/10.1016/j.wneu.2018.01.185)
24. **Factors associated with 30-day ventriculoperitoneal shunt failure in pediatric and adult patients.** Anderson IA, Saukila LF, Robins JMW, Akhunbay-Fudge CY, *Goodden JR*, Tyagi AK, Phillips N, Chumas P. *J Neurosurg* 102:1–9, 2018 [DOI: 10.3171/2017.8.JNS17399](https://doi.org/10.3171/2017.8.JNS17399)
25. **Low-grade glioma with foci of early transformation does not necessarily require adjuvant therapy following radical surgical resection.** Al-Tamimi YZ, Palin MS, Patankar T, MacMullen-Price J, O'Hara D, Loughrey c, Chakrabarty A, Ismail A, Roberts P, Duffau H, *Goodden JR*, Chumas PD. *World Neurosurg* 110:e346–e354, 2018 [DOI: 10.1016/j.wneu.2017.10.172](https://doi.org/10.1016/j.wneu.2017.10.172)
26. **Pre-operative neutrophil count and neutrophil-lymphocyte count ratio (NLCR) in predicting the histological grade of paediatric brain tumours: a preliminary study.** Wilson JRF, Saeed F, Tyagi AK, *Goodden JR*, Sivakumar G, Crimmins D, et al. *Acta Neurochir* 357:539–8, 2017 [DOI: 10.1007/s00701-017-3388-5](https://doi.org/10.1007/s00701-017-3388-5)
27. **Survey on current practice within the European Low-Grade Glioma Network: where do we stand and what is the next step?** Mandonnet E, Wager M, Almairac F, Baron MH, ... *Goodden JR*, ... Forster MT, Duffau H. *Neuro-Oncology Practice* 4:241–247, 2017. [DOI:10.1093/nop/npw031](https://doi.org/10.1093/nop/npw031)
28. **Pre-surgical mapping of eloquent cortex for paediatric epilepsy surgery candidates: Evidence from a review of advanced functional neuroimaging.** Collinge S, Prendergast G, Mayers ST, Marshall D, Siddell P, Neilly E, Ferrie CD, Vadlamani G, Macmullen-Price J, Warren DJ, Zaman A, Chumas PD, *Goodden JR*, Morrall MCHJ. *Seizure*:2017 [DOI: 10.1016/j.seizure.2017.09.024](https://doi.org/10.1016/j.seizure.2017.09.024)
29. **Survey on current cognitive practices within the European Low-Grade Glioma Network: towards a European assessment protocol.** Rofes A, Mandonnet E, *Goodden JR*, Baron MH, Colle H, Darlix A, de Aguiar V, Duffau H, Herbet G, Klein M, Lubrano V, Martino J, Mathew R, Miceli G, Moritz-Gasser S, Pallud J, Papagno C, Rech F, Robert E, Rutten GJ, Santarius T, Satoer D, Sierpowska J, Smits A, Skrap M, Spena G, Visch E, De Witte E, Zetterling M, Wager M. *Acta Neurochir* 12:896, 2017 [DOI:10.1007/s00701-017-3192-2](https://doi.org/10.1007/s00701-017-3192-2)
30. **Evidenced-based medicine in glioma: molecular biology is only part of the story. (Letter).** Duffau H, Mandonnet E, Pallud J, Krieg S, Gil Robles S, de Witt Hamer P, Schucht P, Zetterling M, Santarius T, Colle H, Mathew R, Smits A, von Campe G, Forster MT, Sarubbo S, Spena G, Baron MH, Yordanova Y, Darlix A, Viegas C, Almairac F, Martino J, *Goodden JR*, ... Taillandier L, Blonski M. *Lancet Oncol* 18:e429, 2017 [DOI: 10.1016/S1470-2045\(17\)30510-7](https://doi.org/10.1016/S1470-2045(17)30510-7)
31. **A proposal for a new classification of complications in craniostomosis surgery.** Shastin D, Peacock S, Guruswamy V, Kapetanstrataki M, Bonthron D, Dr. Bellew M, Long V, Carter L, Smith I, *Goodden JR*, Russell J, Liddington M, Chumas PD. *J Neurosurg Pediatr.* 2017 Jun;19(6):675-683. [DOI: 10.3171/2017.1.PEDS16343](https://doi.org/10.3171/2017.1.PEDS16343)
32. **Letter to the Editor: WhatsApp in neurosurgery.** Anderson IA, *Goodden JR*: *Acta Neurochir*:1–1, 2017. [DOI:10.1007/s00701-017-3087-2](https://doi.org/10.1007/s00701-017-3087-2)
33. **BOOK CHAPTER: Optic Pathway Hypothalamic Gliomas.** *Goodden JR* & Mallucci C. Chapter 207 in Youman's Neurological Surgery 7e, pp 1660-1668, ISBN 9780323287821; 2016
34. **Monitoring the changing pattern of delivery of paediatric epilepsy surgery in England-an audit of a regional service and examination of national trends.** Shastin D, Chandrasekaran S, Ferrie A, Vadlamani G, ... *Goodden JR*, ... Chumas PD. *Childs Nerv Syst*:2015 [DOI:10.1007/s00381-015-2686-6](https://doi.org/10.1007/s00381-015-2686-6)
35. **A suprasellar arachnoid cyst resulting from an intraventricular haemorrhage and showing complete resolution following endoscopic fenestration.** Palin MS, Anderson I, O'Reilly G, *Goodden JR*. *BMJ Case Rep* 2015:2015 [DOI:10.1136/bcr-2015-209290](https://doi.org/10.1136/bcr-2015-209290)
36. **Does patient ethnicity affect site of craniostomosis?** Anderson IA, Goomany A, Bonthron DT, Bellew M, Liddington MI, Smith IM, Russell JL, Carter LM, Guruswamy V, *Goodden JR*, Chumas PD. *J Neurosurg Pediatr* 14:682–687, 2014. [DOI:10.3171/2014.9.PEDS14123](https://doi.org/10.3171/2014.9.PEDS14123)
37. **Fingerprint changes in CSF composition associated with different aetiologies in human neonatal hydrocephalus: inflammatory cytokines.** Naureen I, Waheed KAI, Rathore AW, Victor S, Mallucci C, *Goodden JR*, Chohan SN, Miyan JA. *Childs Nerv Syst*:2014 [DOI:10.1007/s00381-014-2415-6](https://doi.org/10.1007/s00381-014-2415-6)

38. **The Role of Surgery in Optic Pathway-Hypothalamic Gliomas in Children.** *Goodden JR*, Pizer B, Pettorini B, Williams D, Blair J, Didi M, Thorp N, Mallucci C. J Neurosurg Pediatr 2014;13:1–12 [DOI:10.3171/2013.8.PEDS12546](https://doi.org/10.3171/2013.8.PEDS12546)
39. **Fingerprint changes in CSF composition associated with different aetiologies in human neonatal hydrocephalus: glial proteins associated with cell damage and loss.** Naureen I, Waheed KA, Rathore AW, Victor S, Mallucci C, *Goodden JR*, Chohan SN, Miyan JA. Fluids Barriers CNS 2013;10(1):34-46 [DOI:10.1186/2045-8118-10-34](https://doi.org/10.1186/2045-8118-10-34)
40. **Evolving instrumentation for endoscopic tumour removal of CNS tumours.** Selvanathan S, Kumar R, *Goodden J*, Tyagi A, Chumas P. Acta Neurochir (Wien) 2013;155(1):135-138 [DOI:10.1007/s00701-012-1561-4](https://doi.org/10.1007/s00701-012-1561-4)
41. **Management of Spasticity in Children Parts 1 & 2.** *Goodden JR*. Published Online Course Modules as part of eBrain Clinical Neuroscience interactive learning 2011. <https://www.ebraininc.com/>
42. **Impact of Electromagnetic Navigated Shunt Placement on Failure Rates: A Prospective Multi-centre Study.** Hayhurst C, Beems T, Jenkinson MD, Byrne P, Clark S, Kandasamy J, *Goodden J*, Nandoe Teware RDS, Mallucci CL. J Neurosurg 2010 Dec;113(6):1273-1278 [DOI:10.3171/2010.3.JNS091237](https://doi.org/10.3171/2010.3.JNS091237)
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Patient Information Books / Hospital Guidelines

I have written patient information books, with separate versions for paediatric hydrocephalus and adult hydrocephalus, Low Grade Glioma and SDR. As part of this process I had to get the books proof-read by patients to ensure they were clear and understandable before then getting them approved and published by the different NHS Trusts.

I have also been involved in writing and revising hospital guidelines for the management of paediatric neurosurgical conditions.

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69. **Care of Children with Brain Tumours.** Yeomanson D, *Goodden JR*, Zaki H, McMullan PJdeV, Lee V. Abstracts of International Society of Paediatric Neurosurgery, Liverpool, September 2007
70. **Spinal Metastatic Disease Management in Hull Royal Infirmary.** *Goodden JR*, Yousaf J, O'Brien DP. *Irish J Med Sci* 2007; 176 (Suppl 4):161
71. **Percutaneous Vertebroplasty: The Early Hull Experience.** Rajaraman CJ, *Goodden JR*, O'Brien DP, Middleton EP, Doherty SM, Taylor D. *Irish J Med Sci* 2006;175(3 Suppl 1):37
72. **Acute Management of Head Injury.** *Goodden JR*. Abstracts of Roadside to Rehabilitation - National Head Injury Study Day, Sheffield. 2006:9

73. **Intracranial infections with inconsistent inflammatory indices.** *Goodden JR*, Bosma JJD, Carroll TA. British Journal of Neurosurgery, December 2005; 19(6):531; Also published in abstracts of Clinical Neurosciences 2005, Riviera International Conference Centre, Torquay, England. 2005:170
74. **Emergency Inter-Hospital Transfers – Can they be improved?** *Goodden JR*, Bosma JJD, Carroll TA. British Journal of Neurosurgery, December 2005; 19(6):529; Also published in abstracts of Clinical Neurosciences 2005, Riviera International Conference Centre, Torquay, England. 2005:159
75. **Estimation of Acoustic Neuroma Volume.** *Goodden JR*, Rowe JG, Radatz MWR, Kemeny AA. Abstracts of the 4th International Skull Base Conference, Sydney, Australia. 2004:62
76. **Follow-up & MRI scanning following surgery for acoustic neuroma – UK practice and evidence review.** *Goodden JR*, Hardwidge C, Tranter R. Abstracts of the 4th International Conference on Vestibular Schwannoma and CPA Lesions, Cambridge, England. 2003:149
77. **Setting the Standard – UK Neurosurgical Acoustic Neuroma Practice.** *Goodden JR*, Hardwidge C, Tranter R. Abstracts of the 4th International Conference on Vestibular Schwannoma and CPA Lesions, Cambridge, England. 2003:108
78. **To Follow-up or Not to Follow-up? That is the question.** *Goodden JR*, Hardwidge C, Tranter R. Abstracts of the 6th European Skull Base Society Congress, Terrassa, Spain. 2003:56
79. **UK Practice in Acoustic Neuroma Surgery - An Overview.** *Goodden JR*, Hardwidge C. Surg Neurol 2002;58:100
80. **Galeazzi - Stabilisation of the Patella - A Modified Technique for Ambulatory Surgery.** Curtis MJ, Morgan NHP, Samsoun G, *Goodden JR*. J Amb Surg, 1999;7(Suppl 1):S87

NATIONAL & INTERNATIONAL CONFERENCE PRESENTATIONS

1. 2021 **SDR: A Treatment for Spasticity in Cerebral Palsy**
Goodden J & McCune K
Neuro Anaesthesia and Critical Care Society (NACCS) and Paediatric Neuroanaesthesia Network (PNAN)
2. 2019 **Neuropsychological outcomes following awake craniotomy for Low Grade Glioma (poster)**
Richards O, Kwon C, Bolton W, *Goodden J*, Chumas P
Society for Neuro-Oncology, Phoenix, Arizona, USA
3. 2019 **Grade Two Glioma surgery - A large single centre review of clinical, histological, genetic and surgical outcomes (poster);**
O'Hara D, Miller A, *Goodden JR*, Graham C, Kitchingman H, Mathew R, Richards O, Chumas PD.
Society for Neuro-Oncology, Phoenix, Arizona, USA
4. 2019 **Perioperative Dexamethasone Dosage in Paediatric Neuro-Oncology**
Rybka N, Tyagi A, Sivakumar G, Chumas P, *Goodden JR*
International Society of Paediatric Neurosurgery, Birmingham, UK
5. 2019 **Post-haemorrhagic Ventricular Dilatation in Preterm Infants: A Survey of Management Practices in the UK**
McNicholas R, English S, Miall L, Goss K, Sivakumar G, *Goodden JR*, Tyagi A, de Vries L, Chumas P
International Society of Paediatric Neurosurgery, Birmingham, UK
6. 2019 **Altered CSF dynamics following surgical intervention for Chiari malformation in a paediatric population - a 13 year cohort study (poster);** Kalra N, Soumya Mukherjee S, *Goodden JR*, Sivakumar G, Tyagi A, Chumas P
International Society of Paediatric Neurosurgery, Birmingham, UK
7. 2019 **Selective Dorsal Rhizotomy for GMFCS II and III: results of a national multicentre study**
Pettorini B, Summers J, ... *Goodden JR*, ... Verity C, Peacock J
International Society of Paediatric Neurosurgery, Birmingham, UK
8. 2018 **Treatment of low grade glioma with foci of transformation - Is surgery alone enough?**
Invited speaker – Goodden JR: European Low Grade Glioma Network meeting, Lisbon, Portugal

9. 2017 **Selective Dorsal Rhizotomy Surgery in Leeds - our first 80 cases**
Goodden JR, Kate McCune K, Wilsmore C, Davis K, Milner L, Tang KT, Michael S, Smith I, Lodh R
International Society of Paediatric Neurosurgery, Denver, 2017
10. 2017 **Quality of Life Outcome after Selective Dorsal Rhizotomy Surgery - experience over the first 60 cases in Leeds**
Goodden JR, Kate McCune K, Wilsmore C, Davis K, Milner L, Tang KT, Michael S, Smith I, Lodh R
International Society of Paediatric Neurosurgery, Denver, 2017
11. 2017 **Shunt-series x-rays in Paediatric Shunt Revision. How useful are they?**
Robins JMW, Sivakumar G, Tyagi AK, Chumas PD, *Goodden JR*
International Society of Paediatric Neurosurgery, Denver, 2017
12. 2017 **Range of management options in patients presenting with Arachnoid Cysts: 9-year experience in a Single Centre (Poster).**
Sheikh A, Sivakumar G, Tyagi AK, Chumas PD, *Goodden JR*
International Society of Paediatric Neurosurgery, Denver, 2017
13. 2017 **Shunt series x-rays in Primary Shunt Insertion. How useful are they? (Poster)**
Robins JMW, Sivakumar G, Tyagi AK, Chumas PD, *Goodden JR*
International Society of Paediatric Neurosurgery, Denver, 2017
14. 2017 **Selective Dorsal Rhizotomy for spasticity in cerebral palsy (Invited Speaker)**
Goodden JR, McCune K, Milner L
3rd International Conference on Paediatric Spasticity, Orthopaedic & Postural Management, Cork, Ireland
15. 2016 **UK Low Grade Glioma Management: A Survey Of National Practice (Poster)**
Shastin D, Wright E, Boyer G, O'Hara D, Maguire M, Loughrey C, *Goodden JR*, Chumas PD
Society for Neuro-Oncology, Phoenix, Arizona, 2016
16. 2016 **Low Grade Glioma: A Survey of UK National practice (Poster)**
Shastin D, Wright E, Boyer G, O'Hara D, Maguire M, Loughrey C, *Goodden JR*, Chumas PD
British Neuro-Oncology Society, Leeds 2016
17. 2016 **Low-grade glioma with foci of early transformation behaving in an indolent fashion following extensive surgical resection (Poster)**
Al-Tamimi YZ, Palin MS, Currie S, ... Duffau H, *Goodden JR*, Chumas PD
British Neuro-Oncology Society, Leeds 2016
18. 2016 **Progressive T2/FLAIR signal change after Low-Grade Glioma resection – what does it signify? (Poster).**
Goodden JR, Spink S, Currie S, Patankar T, ... Loughrey C, Chumas PD
British Neuro-Oncology Society, Leeds 2016
19. 2016 **Infants With Central Nervous System Tumours - A Five-Year Retrospective Review. (Poster)**
Mukherjee S, Bethanabatla R, Sivakumar G, Tyagi AK, Chumas PD, *Goodden JR*
International Symposium on Paediatric Neuro-Oncology, Liverpool 2016 **Commended by Scientific Committee **
20. 2016 **Evolving Trans-Sphenoidal Surgical Management of Paediatric Craniopharyngiomas: A Single Surgeon's Experience (Poster)**
Mukherjee S, Sheikh A, Sivakumar G, *Goodden JR*, Chumas PD, Tyagi AK.
International Symposium on Paediatric Neuro-Oncology, Liverpool 2016
21. 2016 **Hydrocephalus In Children With Central Nervous System Tumours - A Five-Year Analysis (Poster)**
Mukherjee S, Bethanabatla R, Sivakumar G, Tyagi AK, Chumas PD, *Goodden JR*
International Symposium on Paediatric Neuro-Oncology, Liverpool 2016
22. 2016 **The SIOP II Ependymoma Multi-Disciplinary Advisory Group (EMAG): The UK Approach (Poster)**
Storer LCD, Ritzmann T, Chapman RJ, ... *Goodden JR*, ... English M, Grundy RG.
International Symposium on Paediatric Neuro-Oncology, Liverpool 2016
23. 2016 **Water on the brain: volumetric assessment of ventricular changes in shunt failure**
Anderson I, Selley H, *Goodden JR*, Sivakumar G, Tyagi AK, Chumas PD.
European Society for Paediatric Neurosurgery, Paris, 2016

24. 2016 **Prognostic value of leucocytosis in pediatric traumatic brain injury.**
Mukherjee S, Bethanabatla R, Sivakumar G, **Goodden JR**, Tyagi AK, Chumas PD.
European Society for Paediatric Neurosurgery, Paris, 2016
25. 2016 **Selective dorsal rhizotomy – The Leeds experience over our first 60 cases.**
Goodden JR, Musson A, McCune K, Davis K, Smith I, Clarke M, Lodh R.
European Society for Paediatric Neurosurgery, Paris, 2016
26. 2016 **Evolving trans-sphenoidal surgical management of paediatric craniopharyngiomas: a single surgeon's experience.**
Mukherjee S, Sheikh A, Sivakumar G, **Goodden JR**, Chumas PD, Tyagi AK.
European Society for Paediatric Neurosurgery, Paris, 2016
27. 2016 **Pre-operative neutrophil lymphocyte count ratio (NLCR) in predicting the histological grade of pediatric glial tumors: a preliminary study.**
Saeed F, Wilson J, Tyagi AK, Sivakumar G, **Goodden JR**, Chumas PD.
European Society for Paediatric Neurosurgery, Paris, 2016
28. 2016 **A proposal for a new classification of complications in craniosynostosis surgery: the Leeds experience.**
Shastin D, Peacock S, Guruswamy V, ... **Goodden JR**, Russell J, Liddington M, Chumas PD.
European Society for Paediatric Neurosurgery, Paris, 2016
29. 2015 **Progressive T2/FLAIR signal change after resection of low-grade glioma – what does it signify?**
Goodden JR, Spink A, Patankar T, MacMullen-Price J, O'Hara D, Maguire M, Loughrey C, Chakrabarty A, Chumas PD
Society for Neuro-Oncology, San Antonio, Texas 2015
30. 2015 **Low-grade glioma with foci of early transformation behaving in an indolent fashion following extensive surgical resection** (Poster). **Goodden JR**, Al-Tamimi Y, Patankar T, ... Duffau H, Chumas PD
Society for Neuro-Oncology, San Antonio, Texas 2015
31. 2015 **Selective Dorsal Rhizotomy & what we have learnt over our first 50 cases**
Invited Speaker - Goodden JR, Musson A
Annual meeting of Association of Chartered Physiotherapists
32. 2015 **The role of pre-operative plasma neutrophil-lymphocyte count ratio in predicting the histological grade of paediatric intrinsic tumours.**
Wilson J, **Goodden JR**, Tyagi AK, Chumas PD.
International Society of Paediatric Neurosurgery, Izmir, Turkey, October 2015
33. 2015 **Selective dorsal rhizotomy - experience over our first 50 cases**
Goodden JR, Musson A, Davis K, McCune K, Smith I, Clarke M, Lodh R
International Society of Paediatric Neurosurgery, Izmir, Turkey, October 2015
34. 2015 **Outcome and prognostic features in paediatric pineoblastomas: analysis of cases from the SEER database.**
Goodden JR, Selvanathan S, Elliott M, Tyagi AK, Chumas PD
International Society of Paediatric Neurosurgery, Izmir, Turkey, October 2015
35. 2015 **Determinants of blood loss in paediatric decompressive craniectomy following head injury**
Rice E, Anderson I, Sivakumar G, Chumas PD, Tyagi AK, **JR Goodden**
International Society of Paediatric Neurosurgery, Izmir, Turkey, October 2015
36. 2015 **Low-grade glioma with foci of early transformation may behave in an indolent fashion following extensive surgical resection.**
Al-Tamimi YZ, Palin MS, Patankar T, ... **Goodden JR**, Duffau H, Chumas PD.
European Low Grade Glioma Network, Paris, June 2015
37. 2014 **Quality of life outcome after selective dorsal rhizotomy - initial experience**
Alli S, Anderson I, Shastin D, Musson A, McCune K, Lodh R, Clarke M, **Goodden JR**
International Society of Paediatric Neurosurgery, Rio, Brazil, November 2014
38. 2014 **Causes and rates of early (<30 day) VP shunt failure - a single centre experience**
Anderson I, Steele L, Sivakumar G, Tyagi AK, Chumas PD, **Goodden JR**
International Society of Paediatric Neurosurgery, Rio, Brazil, November 2014

39. 2014 **Pediatric craniopharyngiomas: planning the extent of resection using the Sainte-Rose classification?**
Shastin D, Mathew RK, Warren D, Alvi S, *Goodden JR*, Chumas PD, Tyagi AK
International Society of Paediatric Neurosurgery, Rio, Brazil, November 2014
40. 2014 **The Leeds Low Grade Glioma Service, 2010-2013**
Mathew R, Spink S, O'Hara D, Loughrey C, ... *Goodden JR*, Chumas PD
European Association of Neuro-Oncology, Turin, Italy, October 2014
41. 2014 **The Role of Gender in CNS Tumour Incidence and Survival**
Mathew R, Alli S, Hayes J, Parslow R, *Goodden JR*, Chumas PD
European Association of Neuro-Oncology, Turin, Italy, October 2014
42. 2014 **Selective Dorsal Rhizotomy for Spastic Cerebral Palsy**
Invited Speaker – Goodden JR
Community Child Health Conference, London, October 2014
43. 2014 **Quality of life outcome after Selective Dorsal Rhizotomy – Initial experience.**
Shastin D, Anderson I, Musson A, McCune K, Clarke M, *Goodden JR*
European Society of Paediatric Neurosurgery, Rome, Italy, May 2014
44. 2014 **Selective Dorsal Rhizotomy for Spastic Cerebral Palsy**
Invited Speaker – Goodden JR
Community Child Health Conference, London, April 2014
45. 2012 **National audit of ventriculoperitoneal shunt survival in children in the United Kingdom**
Goodden JR, Al-Tamimi Y, Sinha P, Mathew R, Crimmins D, Thorne J, Solanki G, Hayward R, Thomson S, Chumas PD
International Society of Paediatric Neurosurgery, Sydney, Australia, September 2012
46. 2012 **Paediatric CNS tumours in the UK: 1-, 5- and 10-year survival**
Goodden JR, Mathew R, O'Kane R, Al-Tamimi Y, Parslow R, Stiller C, Kenny T, Picton S, Chumas PD
International Society of Paediatric Neurosurgery, Sydney, Australia, September 2012
47. 2010 **The Role of Surgery in Optic pathway and Chiasmatic-Hypothalamic Glioma's in Children –Alder Hey Experience**
Goodden JR, Thorpe N, Pizer B, Mallucci C
European Society of Paediatric Neurosurgery, Antalya, Turkey, April 2010
48. 2010 **Prospective Multi-Centre study into effects of Electromagnetic Navigated Ventricular Catheter Placement on Shunt Failure Rates.** *Goodden JR*, Hayhurst C, Beems T, Jenkinson MD, Nandoe Tewarie RDS, Mallucci CL
European Society of Paediatric Neurosurgery, Antalya, Turkey, April 2010
49. 2010 **Human neonatal hydrocephalus presents with a potentially treatable folate imbalance (Poster)**
Goodden JR, Victor S, Mallucci CL, Pattisapu J, Miyan J
European Society of Paediatric Neurosurgery, Antalya, Turkey, April 2010
50. 2009 **Management of Children with Optic Pathway & Chiasmatic-Hypothalamic Tumours**
Goodden JR, Thorpe N, Pizer B, Mallucci C
SBNS Autumn Meeting Dublin, October 2009
51. 2009 **Management of Children with Optic Pathway & Chiasmatic-Hypothalamic Gliomas**
Goodden JR, Thorpe N, Pizer B, Mallucci C
International Society of Paediatric Neurosurgery, Los Angeles, October 2009
52. 2009 **Care of Children with Brain Tumours - Setting Benchmark Standards & Reviewing Practice**
Goodden JR, Yeomanson D, Zaki H, McMullan PJdeV, Lee V
British Neuro-Oncology Society, Hull, June 2009
53. 2009 **Optic-Hypothalamic pathway Gliomas**
Goodden JR, Mallucci C
British Paediatric Neurosurgery Group, London, March 2009
54. 2007 **Shunt insertion, revision & complications – a single institution prospective review of practice**
Goodden JR, Zaki H, McMullan PJdeV
International Society of Paediatric Neurosurgery, Liverpool, September 2007

55. 2007 **Care of Children with Brain Tumours**
Yeomanson D, *Goodden JR*, Zaki H, McMullan PJdeV, Lee V
International Society of Paediatric Neurosurgery, Liverpool, September 2007
56. 2007 **Spinal Metastatic Disease Management in Hull Royal Infirmary**
Goodden JR, Yousaf J, O'Brien DP
32nd Sir Peter Freyer Memorial Lecture and Surgical Symposium, Galway, September 2007
57. 2006 **Percutaneous Vertebroplasty: The Early Hull Experience**
Goodden JR, Rajaraman CJ, O'Brien DP, Middleton EP, Doherty SM, Taylor D
31st Sir Peter Freyer Memorial Lecture and Surgical Symposium, Galway, September 2006
58. 2006 **Acute Management of Head Injury**
Invited Speaker – Goodden JR
Roadside to Rehabilitation - National Head Injury Study Day, Sheffield, June 2006
59. 2005 **Intracranial infections with inconsistent inflammatory indices**
Goodden JR, Bosma JJDB, Carroll TA
SBNS Autumn Meeting Plymouth, September 2005
60. 2005 **Emergency Inter-Hospital Transfers – Can they be improved?**
Goodden JR, Bosma JJDB, Carroll TA
SBNS Autumn Meeting Plymouth, September 2005
61. 2004 **Estimation of Acoustic Neuroma Volume**
Goodden JR, Rowe JG, Radatz MWR, Kemeny AA
4th International Skull Base Congress, Sydney, November 2004
62. 2003 **National Neurosurgical Survey of Vestibular Schwannoma Surgery**
Goodden JR, Hardwidge C, Tranter R
British Skull Base Society meeting, Manchester, October 2003
63. 2003 **Follow-up & MRI scanning following surgery for acoustic neuroma – UK practice & evidence review**
Goodden JR, Hardwidge C, Tranter R
4th International Conference on Vestibular Schwannoma, Cambridge, July 2003
64. 2003 **Setting the Standard – UK Neurosurgical Acoustic Neuroma Practice**
Goodden JR, Hardwidge C, Tranter R
4th International Conference on Vestibular Schwannoma, Cambridge, July 2003
65. 2003 **To Follow-up or Not to Follow-up? That is the question.**
Goodden JR, Hardwidge C, Tranter R
European Skull Base Society meeting, Barcelona, March 2003. Funded by BSBS scholarship.
66. 2002 **Setting the Standard**
Goodden JR, Hardwidge C, Tranter R
British Skull Base Society meeting, London, December 2002
67. 2002 **To Follow-up or Not to Follow-up: That is the question.**
Goodden JR, Hardwidge C, Tranter R
British Skull Base Society meeting, London, December 2002
68. 2002 **UK Practice in Acoustic Neuroma surgery – an overview**
Goodden JR, Hardwidge C
Joint Meeting of SBNS with NSA, South Carolina, USA, April 2002

COURSES & CONFERENCES

1. 2021 **British Paediatric Neurosurgery Group (BPNG) Annual Meeting**, London, UK
2. 2021 **European Society for Paediatric Neurosurgery Bi-Annual Scientific Meeting (online)**
3. 2021 **Bond Solon – Law & Procedure (Civil)**
4. 2021 **Bond Solon - Cross Examination Day**
5. 2021 **Bond Solon - Excellence in Written Evidence**
6. 2021 **Bond Solon - Courtroom Skills (Witness Familiarisation)**
7. 2020 **Society of Neuro-Oncology Annual Scientific Meeting** – Held online; formal CPD accreditation (8.75 credits)
8. 2020 **Navigated Ultrasound in Neurosurgery - Ask the Experts** – Online Training seminar
9. 2020 **Safeguarding Adults and Children – Level 1 and Level 3 Training**, Leeds, UK
10. 2020 **Paediatric Basic Life Support**, Leeds, UK
11. 2020 **Endoscope-assisted surgery**, Online training
12. 2020 **ISPN training debate: ETV without CPC does not fulfil its purpose?** Online Training debate
13. 2020 **ISPN training debate: Is Bony decompression alone enough for symptomatic Chiari malformation with syrinx.** Online Training debate
14. 2020 **ISPN training debate: Do prenatal radiological investigations serve any use?** Online Training debate
15. 2020 **GeCIP Cyber Security Awareness**, online security training
16. 2020 **Palliative Care Level 3 Training update**, Leeds, UK
17. 2020 **British Paediatric Neurosurgery Group (BPNG) Annual Meeting**, Oxford, UK
18. 2020 **Oral anticoagulation in adults - direct oral anticoagulants (DOACs)**, Leeds, UK
19. 2019 **Information Governance update training**, Leeds, UK
20. 2019 **1st ELGGN workshop meeting**, Munich, Germany
21. 2019 **Society of Neuro-Oncology Annual Scientific Meeting**, Phoenix, USA
22. 2019 **Neuromodulation Society of the UK & Ireland Meeting**, Leeds, UK
23. 2019 **International Society of Paediatric Neurosurgery Annual Scientific Meeting**, Birmingham, UK
24. 2019 **Tone Management Study Day**, Sheffield, UK
25. 2019 **PaeNNO Paediatric Nordic Neuro-oncology meeting**, Helsinki, Finland
26. 2019 **Paediatric Basic Life Support Level 2 Update Training**, Leeds, UK
27. 2019 **Tackling Bullying and Undermining**, Royal College of Surgeons of Edinburgh, Scotland
28. 2019 **Live Course on Intraoperative Fluorescence for Neuro-oncology & Neuro-vascular surgery**, Milan, Italy
29. 2019 **Good Clinical Practice (GCP) in Research update course & certification** (online)
30. 2019 **SIOP-Europe Brain Tumour Group Meeting**, Budapest, Hungary
31. 2019 **WHO Safer Procedure Checklist Training**, Leeds UK
32. 2018 **Society of Neuro-Oncology Annual Scientific Meeting**, New Orleans, USA
33. 2018 **Quality Improvement Training**, Leeds, UK
34. 2018 **International Society of Paediatric Neurosurgery Annual Scientific Meeting & Education Day**, Tel Aviv, Israel
35. 2018 **European Low Grade Glioma Network Annual Scientific Meeting**, Lisbon, Portugal
36. 2018 **International Symposium on Paediatric Neuro-Oncology**, Denver, USA
37. 2018 **SIOP-Europe Brain Tumour Group Meeting**, Denver, USA
38. 2018 **PREVENT training**, Leeds, UK
39. 2018 **Medico-Legal Advanced course & Courtroom Skills**, London, UK
40. 2017 **Society of Neuro-Oncology Annual Scientific Meeting**, San Francisco, USA

41. 2017 ***Cerebral Palsy & Spasticity Network study day***, Birmingham, UK (Invited speaker)
42. 2017 ***Paediatric Resuscitation Update***, Leeds, UK
43. 2017 ***International Society of Paediatric Neurosurgery Annual Scientific Meeting***, Denver, USA
44. 2017 ***Diabetes Mandatory Training update***, Leeds, UK
45. 2017 ***Information Governance update***, Leeds, UK
46. 2017 ***Level 3 Safeguarding (adult & paediatric)***, Leeds, UK
47. 2017 ***SIOP-Europe Brain Tumour Group Meeting***, Prague, Czech Republic
48. 2017 ***Adult Resuscitation Update***, Leeds, UK
49. 2017 ***European Low Grade Glioma Network Meeting***, Bilbao, Spain
50. 2017 ***White Matter Tract Dissection & Brain Anatomy***, Bilbao, Spain
51. 2017 ***3rd International Conference on Paediatric Spasticity, Orthopaedic & Postural Management***, Ireland
52. 2017 ***NEPNN Network Forum Training Day on Spasticity Management***, Leeds, UK
53. 2017 ***BIOMEDE Trial Neurosurgery Training & Induction Course***, London, UK
54. 2017 ***NEPNN Network Forum Training Day on Head Injury Management***, Sheffield, UK
55. 2017 ***European Society of Paediatric Neurosurgery Arachnoid Cyst Consensus Conference***, Rome, Italy
56. 2016 ***Society of Neuro-Oncology Annual Scientific Meeting & Education Day***, Scottsdale, Phoenix, Arizona
57. 2016 ***Good Clinical Practice (Research Consent)***, Online e-learning
58. 2016 ***Northern Paediatric Neurodisability education meeting***, Middlesbrough, UK (Invited Speaker)
59. 2016 ***European Association of Neuro-Oncology***, Mannheim, Germany
60. 2016 ***International Symposium on Paediatric Neuro-Oncology***, Liverpool, UK
61. 2016 ***SIOP-Europe Brain Tumour Group Meeting***, Liverpool, UK
62. 2016 ***British Paediatric Neurosurgery Group Annual Meeting***, Southampton, UK
63. 2016 ***Trainee Supervision, Online & face-to-face training***, Health Education Yorkshire, UK
64. 2015 ***Society of Neuro-Oncology Annual Scientific Meeting & Education Day***, San Antonio, Texas
65. 2015 ***International Society of Paediatric Neurosurgery Annual Scientific Meeting***, Izmir, Turkey
66. 2015 ***Society of British Neurological Surgeons Autumn Meeting***, Hull
67. 2015 ***European Low Grade Glioma Network Meeting***, Paris
68. 2015 ***SIOP-Europe Brain Tumour Group Meeting***, Heidelberg
69. 2015 ***British Paediatric Neurosurgery Group Annual Meeting***, Southampton, UK
70. 2014 ***International Society of Paediatric Neurosurgery Annual Scientific Meeting***, Rio, Brazil
71. 2014 ***Good Clinical Practice (Research Consent)***, Online e-learning
72. 2014 ***European Society of Neuro-Oncology***, Turin, Italy
73. 2014 ***Society of British Neurological Surgeons Autumn Meeting***, Coventry
74. 2014 ***International Society of Paediatric Neuro-Oncology Scientific Meeting***, Singapore
75. 2014 ***SIOP-Europe Brain Tumour Group Meeting***, Singapore
76. 2014 ***European Society of Paediatric Neurosurgery***, Rome, Italy
77. 2014 ***Medico-legal Expert Witness Course – Courtroom Skills***, London
78. 2014 ***Vagus Nerve Stimulation for epilepsy Expert Meeting***, Geneva
79. 2014 ***British Paediatric Neurosurgery Group Annual Meeting***, London, UK
80. 2013 ***JCST Training for Selectors Involved in Surgical Selection***, Online e-learning
81. 2013 ***SIOP-E Low Grade Glioma Trial Writing Committee***, Amsterdam
82. 2013 ***Equality & Diversity***, Online e-learning

83. 2013 ***International Society of Paediatric Neurosurgery Annual Scientific Meeting***, Mainz, Germany
84. 2013 ***British NeuroOncology Society Annual Conference***, Durham University, Durham, UK
85. 2013 ***Educational Supervision Training***, Leeds Medical Education, Leeds, UK
86. 2013 ***British Academy of Childhood Disability (BACD) Annual Meeting***, Leeds, UK
87. 2012 ***Good Clinical Practice (Research Consent)***, Online e-learning
88. 2012 ***Autumn Meeting of Society of British Neurological Surgeons***, Leeds, UK
89. 2012 ***International Society of Paediatric Neurosurgery Annual Scientific Meeting***, Sydney, Australia
90. 2012 ***International Society of Paediatric Neuro-Oncology Scientific Meeting***, Toronto, Canada
91. 2012 ***SIOP-Europe Brain Tumour Group Meeting***, Toronto, Canada
92. 2012 ***Low Grade Glioma study day***, Leeds, UK
93. 2012 ***British Paediatric Neurosurgery Group Annual Meeting***, Birmingham, UK
94. 2011 ***Invited speaker & faculty for 1st Paediatric Neurosurgery Masterclass***, Liverpool, UK
95. 2011 ***Advanced Communication Skills Training***, Leeds, UK
96. 2011 ***Invited speaker for Trouble Up North – Yorkshire Regional Neonatal Networks Conference***, Wakefield
97. 2011 ***International Society of Paediatric Neurosurgery Annual Scientific Meeting***, Goa, India
98. 2011 ***Information Governance***, Online eLearning CPD module
99. 2011 ***55th Annual Scientific meeting of Society for Research into Spina Bifida & Hydrocephalus***, Nottingham, UK
100. 2011 ***SIOP-Europe Brain Tumour Group***, Liverpool, UK
101. 2011 ***Consensus Conference on Paediatric Neurosurgery – Optic Pathway Glioma & High Grade Glioma***, Paris
102. 2011 ***British Paediatric Neurosurgery Group Annual Meeting***, Dublin, Ireland
103. 2011 ***Oncological Engineering Workshop***, Leeds, UK
104. 2011 ***Yorkshire Deanery School of Surgery Conference***, Leeds, UK
105. 2011 ***Invited speaker & faculty for Regional Paediatric Neurosciences Training Day***, Leeds, UK
106. 2010 ***Oncological Engineering Workshop***, Leeds, UK
107. 2010 ***Equality & Diversity Training***, Online eLearning CPD module
108. 2010 ***Health Insurance Portability and Accountability Act Compliance***, Online eLearning CPD module
109. 2010 ***Information Governance***, Online eLearning CPD module
110. 2010 ***Autumn Meeting of Society of British Neurological Surgeons***, London, UK
111. 2010 ***European Society of Paediatric Neurosurgery***, Antalya, Turkey
112. 2010 ***Annual Meeting of British Paediatric Neurosurgery Group***, Cambridge
113. 2009 ***Autumn Meeting of Society of British Neurological Surgeons***, Dublin
114. 2009 ***International Society of Paediatric Neurosurgery***, Los Angeles, USA
115. 2009 ***Annual Meeting of British Neuro-Oncology Society***, Hull
116. 2009 ***Good Clinical Practice (Research Consent)***, Countess of Chester Hospital, Chester
117. 2009 ***Annual Meeting of British Paediatric Neurosurgery Group***, London
118. 2009 ***Training the Trainers***, Yorkshire & the Humber Deanery, Sheffield
119. 2008 ***Endoscopic Pituitary Surgery Workshop***, Vienna, Austria
120. 2008 ***Stereotactic Radiosurgery Symposium***, Antwerp, Belgium
121. 2008 ***EANS Training course in Tumours of the CNS***, Antwerp, Belgium
122. 2008 ***Management Course***, Yorkshire & the Humber Deanery, Sheffield
123. 2008 ***Senior Registrar Cadaver Course***, The Royal College of Surgeons of England, London
124. 2008 ***Annual Meeting of British Paediatric Neurosurgery Group***, Manchester

125. 2007 ***International Society of Paediatric Neurosurgery***, Liverpool
126. 2007 ***32nd Sir Peter Freyer Memorial Lecture and Surgical Symposium***, Galway, Ireland
127. 2007 ***EANS Training course in Vascular Neurosurgery***, Luxembourg
128. 2007 ***Annual Meeting of British Paediatric Neurosurgery Group***, Bristol
129. 2007 ***Neuroanatomy of Operative Approaches (Part II)***, Leeds General Infirmary, Leeds
130. 2006 ***FRCS (SN) practice day for MCQ & EMQ exam***, Hope Hospital, Manchester
131. 2006 ***Annual Meeting of British Paediatric Neurosurgery Group***, Liverpool
132. 2006 ***31st Sir Peter Freyer Memorial Lecture and Surgical Symposium***, Galway, Ireland
133. 2006 ***EANS Training course in Spine & Peripheral nerve Neurosurgery***, Luxembourg
134. 2005 ***Clinical Neurosciences 2005 – Anglo-Dutch Neurosurgery and Neurology Meeting***, Plymouth (Torquay)
135. 2005 ***SBNS Trainees Day***, SBNS, Plymouth
136. 2005 ***EANS Training course in Head Injury, Epilepsy & Functional Neurosurgery***, Prague
137. 2004 ***4th International Skull Base Congress***, Sydney, Australia
138. 2003 ***British Skull Base Society***, Manchester
139. 2003 ***SBNS Trainees Day***, SBNS, Cardiff
140. 2003 ***4th International Conference on Vestibular Schwannoma***, Cambridge
141. 2003 ***European Skull Base Society***, Barcelona
142. 2002 ***British Skull Base Society***, The National Hospital for Neurology & Neurosurgery, Queen Square
143. 2002 ***Neurology for Neurosurgeons***, The Royal College of Surgeons of England
144. 2002 ***Neuropathology***, The Royal College of Surgeons of England
145. 2002 ***Clinical Neurophysiology***, The Royal College of Surgeons of England
146. 2002 ***Basic Neurophysiology***, The Royal College of Surgeons of England
147. 2002 ***Joint Meeting of SBNS & NSA***, Kiawah Island, South Carolina, USA
148. 2002 ***Neurological Anatomy***, The Royal College of Surgeons of England
149. 2002 ***Neuroradiology***, The Royal College of Surgeons of England
150. 2002 ***Approaches for Intracranial Surgery***, The Royal College of Surgeons of England
151. 2001 ***Core Skills in Neurosurgery***, The Royal College of Surgeons of England
152. 2001 ***Midas Rex Course***, The Royal College of Surgeons of England
153. 2001 ***SBNS Autumn Meeting***, Atkinson Morley's Hospital, Wimbledon, London
154. 2001 ***SBNS Trainees Day***, Atkinson Morley's Hospital, Wimbledon
155. 2001 ***London Neurovascular Forum***, The Royal Society of Medicine
156. 2000 ***North Thames Neurosurgery Training – Non-surgical Treatment of Spinal Disorders***, The National Hospital for Neurology & Neurosurgery, Queen Square
157. 1999 ***POPUMET Ionising Radiation Protection***, King's Healthcare NHS Trust, London
158. 1999 ***Basic Surgical Training Day in Neurosurgery***, Atkinson Morley's Hospital, Wimbledon, London
159. 1998 ***Basic Surgical Skills***, The Royal College of Surgeons of England, London
160. 1998 ***STEP Distance Learning for MRCS***, The Royal College of Surgeons of England, London
161. 1998 ***Advanced Trauma Life Support***, Royal Surrey County Hospital, Guildford, Surrey
162. 1998 ***Radiology for A&E Senior House Officers***, Northwick Park Hospital, Harrow, London

TEACHING

I have an active interest in teaching & training. I am part of the National Neurosurgery Selection Panel, and am involved in the annual shortlisting and interviewing of applicants for Neurosurgery Training.

From 2010-2014 I was the SHO Educational & Clinical Supervisor for the Neurosurgical department in Leeds. I am Honorary Senior Lecturer with the University of Leeds & regularly teach medical students via my outpatient clinics.

I regularly complete training assessments for my junior doctors – SDOPS, CBD, CEX & miniPAT. I enjoy regularly teaching my junior colleagues and the nursing staff on the ward. In my Registrar (training) jobs, I was involved in education through delivery of modules on the postgraduate academic teaching programs.

I have taught on the following courses and study days:

1. 2020 **Causes of Brain Injury in Clinical Settings**
Invited speaker – Brain Injury Group Training Day, Manchester, UK
2. 2020 **Brain Tumours – Neurosurgical Management**
Invited speaker – Brain Injury Group Training Day, Manchester, UK
3. 2020 **Selective Dorsal Rhizotomy for spasticity management in cerebral palsy**
Invited Speaker – 2nd Regional Paediatric North East Posture and Movement Study Day, Newcastle
4. 2019 **Selective Dorsal Rhizotomy for spasticity management in cerebral palsy**
Invited Speaker – Lincoln Cerebral Palsy study day, Lincoln, UK
5. 2019 **Session Chair – International Society for Paediatric Neurosurgery Annual Scientific Meeting, Birmingham, UK**
6. 2019 **Is there a role for destructive surgery for tone management – the role of SDR**
Invited Speaker & Faculty – Neuromodulation Society of the UK & Ireland, Leeds, UK
7. 2019 **Low Grade Glioma in Ollier Disease & Maffucci Syndrome;**
Invited speaker & Faculty – Annual conference of Ollier & Maffucci
8. 2019 **Interhemispheric Transcallosal Approach; plus Anatomy Demonstration**
Invited speaker & Faculty – NeuroAnatomy of Operative Approaches, Leeds
9. 2019 **SDR for spasticity in Cerebral Palsy**
Invited speaker & Faculty – Tone Management Study Day, Sheffield
10. 2019 **Neurosurgery & participation in paediatric treatment research protocols**
Invited speaker & Faculty – PaENNO Paediatric Nordic Neuro-oncology meeting, Helsinki, Finland
11. 2019 **Interhemispheric Transcallosal Approach; plus Anatomy Demonstration**
Invited speaker & Faculty – NeuroAnatomy of Operative Approaches, Leeds
12. 2019 **Surgery for posterior fossa low grade glioma**
Invited Speaker & Faculty – SIOPE-BTG Neuro-Oncology Course, Budapest, Hungary
13. 2019 **Surgery for supratentorial low grade glioma**
Invited Speaker & Faculty – SIOPE-BTG Neuro-Oncology Course, Budapest, Hungary
14. 2019 **Selective Dorsal Rhizotomy for spasticity management in cerebral palsy**
Invited Speaker – CPIP study day, Harrogate, UK
15. 2018 **Selective Dorsal Rhizotomy versus Orthopaedic Surgery for spasticity management in cerebral palsy**
Invited Speaker – Lincoln Cerebral Palsy study day, Lincoln, UK
16. 2018 **Session Chair – International Society for Paediatric Neurosurgery Annual Scientific Meeting, Tel Aviv, Israel**
17. 2018 **Cerebral Palsy – a Neurosurgeon's perspective**
Invited Speaker – British Society for Spasticity in Cerebral Palsy, Birmingham, UK
18. 2018 **Interhemispheric Transcallosal Approach; plus Anatomy Demonstration**
Invited speaker & Faculty – NeuroAnatomy of Operative Approaches, Leeds
19. 2018 **Hydrocephalus & raised ICP**
Invited speaker – Teaching for doctors undertaking Postgraduate Diploma in Child Health

20. 2018 **Neurosurgical management of Hydrocephalus**
Invited speaker – Brain Injury Group training seminar day, London, UK
21. 2017 **Selective Dorsal Rhizotomy for spasticity management in cerebral palsy**
Invited Speaker – Cerebral Palsy & Spasticity Network study day, Birmingham, UK
22. 2017 **Session Chair – International Society for Paediatric Neurosurgery Annual Scientific Meeting, Denver, USA**
23. 2017 **Neurosurgical Management Brain Tumours**
Invited speaker – Regional Neuro-Oncology Training Day, Leeds, UK
24. 2017 **Overview of Neurosurgery plus associated challenges & pitfalls**
Invited speaker – Plymouth medico-legal training, Plymouth, UK
25. 2017 **Pitfalls in Neuro-Oncology & Spinal Surgery**
Invited speaker – Plymouth Medico-Legal Society, Plymouth, UK
26. 2017 **Low Grade Glioma & Awake Craniotomy**
Invited speaker – Neuro-Oncology Study Day, The Rotherham NHS Foundation Trust, Rotherham, UK
27. 2017 **Brain Tumours – Neurosurgical Management**
Invited speaker – Brain Injury Group Training Day, London, UK
28. 2017 **Neurosurgical Management of Spina Bifida & Spinal Dysraphism**
Invited speaker – Regional Paediatric Surgery Teaching, Leeds, UK
29. 2017 **Selective Dorsal Rhizotomy for spasticity management**
Invited speaker – NEPNN Network Forum Training Day on Spasticity Management, Leeds, UK
30. 2017 **Pitfalls of Neurosurgery**
Invited speaker – Leeds Medico-Legal Society, Leeds, UK
31. 2017 **Interhemispheric Transcallosal Approach; plus Anatomy Demonstration**
Invited speaker& Faculty – NeuroAnatomy of Operative Approaches, Leeds
32. 2016 **Selective Dorsal Rhizotomy for Spastic Cerebral Palsy**
Invited speaker – Northern Paediatric Neurodisability education meeting, Middlesbrough
33. 2016 **Endoscopic Management of Hydrocephalus and Arachnoid Cysts**
Invited speaker – Neurosurgery Update Course - International Course, Coventry
34. 2016 **Selective Dorsal Rhizotomy for Spastic Cerebral Palsy**
Invited speaker – Neurosurgery Update Course - International Course, Coventry
35. 2016 **Interhemispheric Transcallosal Approach; plus Anatomy Demonstration**
Invited speaker& Faculty – NeuroAnatomy of Operative Approaches, Leeds
36. 2016 **Hydrocephalus & raised ICP**
Invited speaker – Teaching for doctors undertaking Postgraduate Diploma in Child Health
37. 2016 **Neurophysiology monitoring & Awake Craniotomy**
Invited speaker – International Symposium on Paediatric Neuro-Oncology Neuro-monitoring Workshop
38. 2016 **Selective Dorsal Rhizotomy – Indications & results**
Invited speaker – Yorkshire Regional Paediatric Neurology Network Study Day
39. 2016 **Low Grade Gliomas & Awake Craniotomy**
Invited speaker – Regional AHP training at Leeds Teaching Hospitals NHS Trust
40. 2016 **Management of Low Grade Gliomas in Adults**
Invited speaker – Nurse Training at Leeds General Infirmary
41. 2015 **Selective Dorsal Rhizotomy & what we have learnt over our first 50 cases**
Invited speaker – Annual meeting of the Association of Paediatric Chartered Physiotherapists
42. 2015 **ITB & SDR for management of spasticity in Children**
Invited speaker – North West Regional Registrar Training
43. 2015 **Neurosurgical perspective on ITB & SDR for patients with cerebral palsy**
Invited speaker – 8th Middlesbrough National Paediatric Neurodisability Conference

44. 2014 **Course Convenor for Intercollegiate Basic Surgical Skills training**
45. 2014 **Overview & Developments in Selective Dorsal Rhizotomy**
Invited speaker – Lincolnshire Cerebral Palsy conference
46. 2014 **Management of Low Grade Gliomas in Adults,**
Invited speaker – Nurse Training at LGI
47. 2014 **Spasticity Management in Children,**
Invited speaker – Medtronic Company CPD teaching day
48. 2014 **Selective Dorsal Rhizotomy for Spastic Cerebral Palsy**
Invited speaker – Community Child Health Conference, London
49. 2014 **Spasticity Management in Children**
Invited speaker – James Cook University Hospital Paediatric CME teaching
50. 2014 **Selective Dorsal Rhizotomy for Spastic Cerebral Palsy**
Invited speaker – Community Child Health Conference, London
51. 2014 **Management of Low Grade Gliomas in Adults**
Invited speaker – Nurse Training at Leeds General Infirmary
52. 2014 **Awake Craniotomy & Management of Low Grade Gliomas in Adults**
Invited speaker – National meeting of Psychologists & Speech Therapists, Leeds, UK
53. 2013 **Selective Dorsal Rhizotomy for spastic cerebral palsy**
Invited speaker – Regional Paediatric CPD teaching, Bradford Royal Infirmary
54. 2013 **Interhemispheric Transcallosal Approach; plus Anatomy Demonstration**
Invited speaker & Faculty – NeuroAnatomy of Operative Approaches (Part 1), Leeds
55. 2013 **Management of Low Grade Gliomas in Adults**
Invited speaker – Nurse Training at Leeds General Infirmary
56. 2013 **Selective Dorsal Rhizotomy for spastic cerebral palsy**
Invited speaker – British Academy of Childhood Disability (BACD) Trainees Annual Meeting
57. 2013 **Intrathecal Baclofen Therapy**
Invited speaker – British Academy of Childhood Disability (BACD) Trainees Annual Meeting
58. 2012 **Faculty for Intercollegiate Basic Surgical Skills training**
59. 2012 **Hydrocephalus, Shunts and Endoscopy**
Invited speaker – Session in Patient Information Day organised by local charity
60. 2012 **Selective Dorsal Rhizotomy for spastic cerebral palsy**
Invited speaker – Lincolnshire Cerebral Palsy Conference
61. 2012 **Selective Dorsal Rhizotomy for spastic cerebral palsy**
Invited speaker – St James' Hospital Community Paediatric CME Meeting
62. 2012 **Intrathecal Baclofen Therapy**
Invited speaker – LGI Nurse education CME teaching
63. 2012 **Paediatric Hydrocephalus and its management**
Invited speaker – MSc Child Health Course Teaching
64. 2012 **Neurosurgical management of children with brain tumours**
Invited speaker – SJUH Oncology team Departmental CME teaching
65. 2012 **Faculty for Intercollegiate Basic Surgical Skills**
66. 2012 **Neurosurgical management of brain tumours**
Invited speaker – Patient Information Day organised by local charity
67. 2012 **Selective Dorsal Rhizotomy for spastic cerebral palsy**
Invited speaker – York Hospital Regional Paediatric CME Meeting
68. 2011 **Selective Dorsal Rhizotomy for paediatric spasticity**
Invited speaker – Dewsbury Hospital Paediatric CME Meeting

69. 2011 **NeuroNavigation and IntraOperative MRI in Paediatric Neurosurgery**
Invited speaker – Radiology Department Continuing Medical Education Meeting, Leeds
70. 2011 **Selective Dorsal Rhizotomy for paediatric spasticity**
Invited speaker & Faculty – Paediatric Neurosurgery Masterclass, Liverpool
71. 2011 **Hydrocephalus case studies – endoscopic treatments**
Invited speaker & Faculty – Paediatric Neurosurgery Masterclass, Liverpool
72. 2011 **Paediatric Neuro-oncology Case Discussions**
Invited speaker & Faculty – Paediatric Neurosurgery Masterclass, Liverpool
73. 2011 **Management of paediatric ventriculomegaly**
Invited speaker – Trouble Up North – Yorkshire Regional Neonatal Networks Conference
74. 2011 **Interhemispheric Transcallosal Approach; plus Anatomy Demonstration**
Invited speaker & Faculty – NeuroAnatomy of Operative Approaches (Part 1), Leeds
75. 2011 **Selective Dorsal Rhizotomy for paediatric spastic cerebral palsy**
Invited speaker – Paediatric Neurosciences Nursing Training, Leeds
76. 2011 **Awake Craniotomy in Children**
Invited speaker – Paediatric Neurosciences Nursing Training, Leeds
77. 2011 **Selective Dorsal Rhizotomy for paediatric spastic cerebral palsy**
Invited speaker – Regional Paediatric Neurosciences Meeting, Leeds
78. 2011 **Intrathecal baclofen for paediatric spasticity**
Invited speaker – Regional Paediatric Neurosciences Meeting, Leeds
79. 2011 **Selective Dorsal Rhizotomy for paediatric spastic cerebral palsy**
Invited speaker – Paediatric Continuing Medical Education Meeting, Scarborough
80. 2011 **Hydrocephalus and management of acute shunt block,**
Invited speaker – Paediatric Continuing Medical Education Meeting, Scarborough
81. 2010 **Ventricular endoscopic surgery in children,** *Invited speaker – Brian Harcourt Memorial Meeting*
82. 2010 **Surgical management of Paediatric Head Injury,** *Invited speaker – PICU Nurse teaching, Alder Hey*
83. 2009 **Essentials of Paediatric Neurosurgery,** *Invited speaker – SHO MRCS teaching, Alder Hey*
84. 2009 **Paediatric Spinal Injuries Study Day,** *Invited speaker, Alder Hey*
85. 2009 **Surgical management of Paediatric Head Injury,** *Invited speaker – PICU Nurse teaching, Alder Hey*
86. 2008 **Essentials of Paediatric Neurosurgery,** *Invited speaker – SHO MRCS teaching, Alder Hey*
87. 2008 **Surgical and Radiosurgical management of AVM's,** *Invited speaker – Hull Royal Infirmary*
88. 2008 **Essentials of Neurosurgery & SHO induction,** *Hull Royal Infirmary*
89. 2007 **SIADH & salt balance in neurosurgery,** *Nursing CME update teaching, Hull Royal Infirmary*
90. 2006 **Degenerative Spinal disease; Pathophysiology and Management;** *SHO teaching, Hull Royal Infirmary*
91. 2006 **Head Injury Pathophysiology, Classification & Management,** *SHO teaching, Hull Royal Infirmary*
92. 2006 **Paediatric Brain Tumours and their management,** *Local Neurosurgery Teaching*
93. 2006 **Classification & management of Head Injury,** *SHO BST teaching, Royal Hallamshire Hospital, Sheffield*
94. 2005 **Audit review and Journal Club,** *Local Neurosurgery meeting*
95. 2005 **Classification & management of Head Injury,** *SHO BST teaching, Royal Hallamshire Hospital, Sheffield*
96. 2005 **Intracranial Infections,** *Local Neurosurgery Teaching*
97. 2004 **The Limbic System,** *Local Neurosurgery Teaching*
98. 2004 **Hypothalamic-Pituitary axis & Thirst,** *Local Neurosurgery Teaching*
99. 2002 **Anatomy of the Facial Nerve,** *SHO BST teaching, Princess Royal Hospital, Haywards Heath, W Sussex*
100. 2000 **Decompressive Laminectomy in Acute Spinal Injury,** *Literature review and discussion*
101. 1999 **How to suture,** *GP Registrar Teaching, Epsom General Hospital, Epsom, Surrey*

AUDIT

I maintain an active interest in Audit and Clinical Governance. I share the Chair of the monthly Neurosurgery Audit Meetings. My previous audit projects have led to important improvements in practice & have been presented at regional and international meetings. One has also been published as an example of benchmarking in clinical practice.

- 2021 **Chair of Clinical Governance / Audit Meeting, Leeds General Infirmary**
- 2020 **Chair of Clinical Governance / Audit Meeting, Leeds General Infirmary**
- 2019 **Chair of Clinical Governance / Audit Meeting, Leeds General Infirmary**
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- 2011 **Chair of Clinical Governance / Audit Meeting, Leeds General Infirmary**

- 2010 - **Monthly morbidity & mortality audit, Alder Hey**
 2009 Each month I collated and presented morbidity & mortality audit data. Whenever complications occur, all aspects of care were examined and practice was adjusted immediately if required.

- 2008 **Audit of Neurosurgical Referrals, Hull Royal Infirmary**
Conclusions: The Neurosurgical on-call was noted to be highly variable with a significant workload from within our local Trust. Discussion with the local consultant prior to making a referral could reduce both inappropriate calls and the overnight workload.

- 2007 **Audit of Spinal Metastatic Disease Management, Hull Royal Infirmary**
Conclusion: Neurological Deficit at presentation predicts a poorer outcome for patients – maintaining mobility is vital. Improvements in local management need to achieve this through greater cooperation with Neurosurgery and established MDT pathways.

- 2006 **Audit of Paediatric Brain and Spine Tumour Management, Sheffield Children's Hospital**
Results & Conclusions: Of acute referrals, all patients were admitted within 2 days. All surgery was undertaken by a dedicated paediatric neurosurgeon. 100% discussed by MDT. In the first 6-months 57% received adjuvant Rx within 40 days; in the remaining period this improved to 91%. When measured against recognised benchmark standards, the SCH paediatric neuro-oncology service was satisfactory. Aspects of care were identified for targeted development, to offer further improvements to the specialist service delivered.

- 2006 **Sheffield Children's Hospital Shunt Audit, Sheffield Children's Hospital**
Results & Conclusions: Seventy-seven CSF drainage operations were performed on 49 patients over the studied period. Revision shunt surgery slightly outnumbered primary shunt insertions (32 vs 30). The rate of revision within one year of previous surgery was 8% (4/49 patients). The overall *de novo* shunt infection rate was 1.3% but for primary shunt insertions this was 0%. The complication rate in the series was 3.9% including one shunt infection, one over-drainage (CSDH) and one abdominal catheter migration. Four valve failures (fractures of valve) were identified within a particular design of shunt system, which was subsequently no longer implanted.

- 2005 **Audit of Transfer Information, Royal Hallamshire Hospital, Sheffield**
Results & Conclusions: Significant gaps in inter-hospital transfer information were identified. These affect patient care and increase clinical risk as well as adding to local workload and delaying transfer back through uncertainty over the responsible consultant team. Improvements in standards were recommended possibly through inter-hospital transfer protocols distributed to referring hospitals.

- 2001 **Audit of CT-guided Spinal Biopsies, Charing Cross Hospital**
Results & Conclusions: A deficiency in the diagnostic rate was identified. The results were discussed in a regional audit meeting. Examination of the possible reasons for this was undertaken and plans were put in place to improve accuracy by changing practice and to monitor the effects of these changes with further audit. The principal change involved having a histopathologist present at the time of biopsy to immediately examine the specimen and enable repeat samples to be obtained if they were not of diagnostic value. Plans and systems to monitor and track the specimens were also discussed so that transit time to the laboratory could be monitored and improved.