

# **CURRICULUM VITAE**

**HABIB E. ELLAMUSHI**

**MB ChB, FRCS(Ed), FRCS (Neuro.Surg)**

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**PERSONAL DETAILS**

<b>NAME`</b>	Habib Ellamushi
<b>CURRENT POST</b>	Consultant Neurosurgeon St Bartholomew and Royal London Hospitals  Senior lecturer, Queen Mary's Medical School, University of London.  Private Secretary, Michelle Salton.  NHS Secretary, Polly Perkins.
<b>PRIVATE PRACTICE</b>	London Bridge Hospital, Wellington Hospital
<b>DATE OF BIRTH</b>	15 August 1957
<b>NATIONALITY</b>	British
<b>LANGUAGES</b>	English, Arabic and Italian
<b>MARITAL STATUS</b>	Married with 2 children
<b>QUALIFICATIONS</b>	MB ChB FRCS (Ed) FRCS (Neuro.Surg) CCST (Neurosurgery)
<b>GMC REGISTRATION</b>	Full registration No 4054340
<b>MEDICAL DEFENCE</b>	MDU No 43991H

**GENERAL EDUCATION:**

Primary and High School in Tripoli/Libya (1967-1979)

**DEGREE & DIPLOMAS:**

MB ChB	Faculty of Medicine, University of Tripoli	1984
ATLS	Royal College of Surgeons	1992
FRCS(Ed)	Royal College of Surgeons of Edinburgh	1992
FRCS (Neuro.Surg)	Intercollegiate Board in Neurosurgery (UK)	2002

**PRIZES / AWARDS / SCHOLARSHIPS:**

Merit certificates in ophthalmology	1982
Merit certificates in general surgery	1984
British skull base society scholarship	1999
1 <sup>st</sup> place presentation, epilepsy section, CNS, Boston, USA	1999
Scholarship, understanding deep brain stimulation	2003
Travel scholarship, minimally invasive spinal surgery	2004
Fellowship in functional and stereotactic neurosurgery, USA	2005
Medtronic traveling scholarship, Toronto, Canada	2003
The Cutlers prize for outstanding surgeons, London	2006

**MEMBERSHIP OF SOCIETIES:**

Society of British Neurological Surgeons  
 Royal College of Surgeons of Edinburgh  
 The British Medical Association  
 World Society of Stereotactic and Functional Neurosurgery  
 International Neuromodulation Society

**NEUROSURGERY TRAINING:**

- Aug 1993- Jan 1994: Senior House Officer in Neurosurgery  
Middlesborough General Hospital
- Feb 1994- July 1994: Senior House Officer III in Neurosurgery  
Institute of Neurological Sciences, Glasgow
- Aug 1994- Jan 1995: Registrar in Neurosurgery, National Hospital for Neurology and  
Neurosurgery, London
- Feb 1995- July 1995: Registrar in Neurosurgery Institute of Neurological Sciences,  
Glasgow

**North Thames Neurosurgery Training Program, London (Nov 1995- Aug 2001)**

- Nov 1995- Jan 1997: Neurosurgery Registrar, Charing Cross Hospital, London
- Feb 1997- July 1997: Neurosurgery Registrar, Great Ormond Street Hospital
- Aug 1997- Jan 1998: Neurosurgery Registrar, Department of Surgical Neurology,  
National Hospital, Queen Square, London
- Feb 1998- July 1998: Neurosurgery Registrar, University Dept Neurosurgery  
Institute of Neurology, Queen Square, London
- Aug 1998- July 1999: Research Fellow/Clinical Lecturer, University Department of  
Neurosurgery, Institute of Neurology, Queen Square, London
- Aug 1999- Jan 2001: Neurosurgery Senior Registrar, St Bartholomew's &  
Royal London Hospitals
- Feb 2001- August 2001 Neurosurgery Senior Registrar, Old Church Hospital

**GENERAL TRAINING:****West of Scotland Basic Surgical Training Program, Appointed August 1990**

- Aug 1990- July 1991: SHO General Surgery, Victoria Infirmary, Glasgow.
- Aug 1991- July 1992: Registrar in General Surgery, Victoria Infirmary, Glasgow
- Aug 1992- July 1993: Registrar in General Surgery, Inverclyde Hospital, Greenock.
- Feb 1985 - Jan 1986: House Officer in General Medicine and General Surgery, Tripoli
- Feb 1986 – Jan 1990 Basic surgical training program, Tripoli, Libya

**CURRENT POST:** Consultant Neurosurgeon, St Bartholomew and Royal London Hospitals.  
Senior lecturer, Queen Mary's Medical School, University of London

**PRIVATE PRACTICE:** The London Bridge and the Wellington Hospital

**CLINICAL EXPERIENCE:**

I was appointed as a consultant Neurosurgeon at St Bartholomew's and the Royal London Hospitals and Senior Lecturer at the Queen Mary Medical School, University of London in August 2002.

St Bartholomew's and the Royal London hospitals is one of the largest and busiest university teaching hospitals in London with a large neurosurgery, neurology, neurophysiology, neuropathology and neuroradiology unit and established subspecialisation service. The unit is part of the neurosciences institute which has strong academic and research background.

My busy neurosurgery practice includes general cranial and spinal neurosurgery with special clinical interest in minimal access (keyhole) spinal and cranial neurosurgery, neurostimulation for pain, epilepsy and movement disorders.

As a consultant at St Bartholomew's and the Royal London Hospitals I run several neurosurgery services. This includes the complex spinal pain service, minimal access neurosurgery service and neurostimulator service. I also lead multidisciplinary teams and clinics for neurostimulation, complex spinal pain and minimal access neurosurgery.

As part of the minimal access spine surgery service, I have introduced to UK the minimal access balloon kyphoplasty treatment for vertebral collapse caused by cancer, osteoporosis and trauma in 2003 and since then we have established the largest multidisciplinary vertebral augmentation center with the largest experience in the country. As a result of this I hold the post of teaching faculty in the European Kyphoplasty masterclass.

Within the multidisciplinary neurostimulation team we run the largest neurostimulation unit and service in Europe. This includes deep brain stimulation for movement disorders, vagus nerve stimulation for epilepsy, spinal cord stimulation for pain and cerebellar stimulation for spasticity. In addition to my self the multidisciplinary neurostimulation team includes a dedicated, neurosologist, neurophysiologist, nurse specialist and clinical research fellow.

As part of our neurostimulation clinical research we have introduced a new trigeminal nerve stimulator for intractable facial pain which is in the pilot study phase.

In addition to my role as a consultant Neurosurgeon I hold the position of the Neurosurgery clinical effectiveness director (lead) in charge of auditing and monitoring the quality of neurosurgery practice in neurosurgery.

My private practice in neurosurgery is based at the London Bridge and the Wellington hospitals. These hospitals are the largest providers of private health care in UK with national and international reputation.

My clinical experience and interest is complemented with clinical and formal research activities at the National Hospital for Neurology and Neurosurgery Queen Square, Saint Bartholomew's hospital and Queen Mary medical school, university of London. My research interest includes the advances in Neuroimaging of cerebral aneurysms, brain tumours and epilepsy patients, neurostimulation and spinal cord injury.

I trained in general surgery in Glasgow, West of Scotland and in neurosurgery in London at the National Hospital for Neurology and Neurosurgery at Queen's Square; Charring Cross Hospital; Great Ormond Street Children's Hospital and Saint Bartholomew's and Royal London Hospitals. I also held international fellowships in general and functional neurosurgery in University of Pennsylvania, USA; Toronto Western Hospital, Canada and Grenoble University Hospital, France.

### **NEUROSURGERY FELLOWSHIPS:**

University of Pennsylvania Hospital, Philadelphia, USA

Grenoble Neurosciences Institute, Grenoble, France.

Toronto Western Hospital, Toronto, Canada.

Sir Charles Gairdner Hospital, Perth, Australia.

### **TEACHING EXPERIENCE:**

#### **Undergraduate teaching**

I have had a strong commitment to teaching. I regard the efficient teaching of basic neuroscience to be important both in the better understanding of a subject that is traditionally difficult, but also in the maintenance of the reputation of the specialty.

My earliest experience of formal teaching was a morning clinical teaching and evening tutorials for 3rd, 4th and 5th year medical students from Glasgow University during my basic surgical training in the West of Scotland.

In my current post as consultant and senior lecturer at the medical school I have the responsibility of medical tutor and Problem based learning facilitator for the medical students from Queen Mary Medical School, University of London

#### **Postgraduate teaching**

Saint Bartholomews and the Royal London hospitals are one of the largest university teaching hospitals in London with national and international reputation in neurosurgery training. The neurosurgery unit has 7 consultant neurosurgeons, 9 registrars/middle grades from north thames neurosurgery training programme and 7 SHOs. The academic neurosurgery unit has one professor and two senior lecturers. With the rest of my consultant colleagues in the unit I have the responsibility of maintaining the high standard of the extensive academic teaching and training programme for the registrars and SHOs.

I am also an instructor in teaching the hospital SHOs on head injury using the simulator center.

In addition, I have taught on the Neurosurgery Specialist Fellowship Course, which is the formal postgraduate course in preparation for the intercollegiate examination in Neurosurgery.

I have faculty position in teaching on Balloon Kyphoplasty masterclass in the Natherland.

**CONFERENCES AND COURSES ATTENDED:**

British spine society meeting	<b>April 2006</b>
Society of British Neurological Surgeons	<b>Feb 2006</b>
World Stereotactic/neuromodulation Society meeting	<b>Jun 2005</b>
Symposium on Flexicore lumbar spine arthroplasty	<b>Jun 2005</b>
Annual scientific meeting for the British pain society	<b>Mar 2005</b>
Cervical spine arthroplasty	<b>Jan 2005</b>
Team approach to spinal cord stimulation	<b>Jan 2005</b>
Treatment strategies in spine disease	<b>Jan 2005</b>
An update on epilepsy treatment, London	<b>Jan 2005</b>
National symposium on balloon kyphoplasty, London	<b>Feb 2005</b>
International workshop on functional neurosurgery	<b>Nov 2004</b>
Workshop on minimally invasive spinal surgery	<b>Oct 2004</b>
Introduction to problem based learning, London	<b>Jun 2004</b>
Posterior Lumbar spine fusion, France	<b>Apr 2004</b>
Cervical Spine Arthroplasty, London	<b>Feb 2004</b>
Emerging Technologies in treatment of spine disease	<b>Jan 2004</b>
Role of nonpharmacological options in epilepsy treatment	<b>Nov 2003</b>
Understanding deep brain stimulation, Paris	<b>Oct 2003</b>
Workshop on kyphoplasty	<b>Oct 2003</b>
Workshop on treatment of spine disease, Austria	<b>July 2003</b>
Thoracolumbar spine trauma and fixation, Germany	<b>May 2003</b>
Treatment strategies in hydrocephalus	<b>Apr 2003</b>
Appraisal of consultant and doctors in training	<b>Apr 2003</b>
The challenge of managing a team	<b>Mar 2003</b>
Advanced treatment of cervical spine diseases	<b>Mar 2003</b>
Microdialysis symposium, Moller center, Cambridge	<b>Oct 2002</b>
Interview Skills for Consultants	<b>Sept 2002</b>
The Challenges facing The NHS Plan	<b>Sept 2002</b>
Interview Skills for Consultants	<b>Sept 2002</b>
Neurosurgery Fellowship Course	<b>Feb 2001</b>
Understanding the Craniocervical Junction	<b>Dec 2000</b>

Management Course for Senior Registrar	<b>Nov 2000</b>
Treatment Strategies in Neurovascular Disease	<b>Sept 2000</b>
EANS training course on functional neurosurgery, Barcelona	<b>June 1999</b>
Clinicopathological Workshop on Pituitary Disease	<b>Dec 1998</b>
Trans-oral Approaches for Skull Base Surgery, London	<b>Sept 1998</b>
EANS training courses neurovascular disease, Madeira	<b>Sept 1998</b>
Advanced Pneumatic Instrumentation	<b>Aug 1998</b>
EANS course on brain tumours, Southampton	<b>Sept 1997</b>
EANS course on head injury, Denmark	<b>Sept 1996</b>
Neurological Anatomy for Neurosurgeons, London	<b>Jun 1996</b>
ATLS	<b>Aug 1992</b>
Surgical Skills and Vascular Anastomosis, Glasgow	<b>Jun 1992</b>
Fellowship Course, Royal Infirmary, Glasgow	<b>Oct 1991</b>

## **RESEARCH ACTIVITIES:**

### **Neuroimaging**

Technical advances in magnetic resonance imaging (MRI) and computerised tomography (CT) have made structural imaging of blood vessels with these modalities possible.

Recent advances in imaging techniques allow the use of MR perfusion and CT perfusion to measure brain perfusion at microvascular level by tracking a contrast bolus during its first pass through the brain. Furthermore the advances in MRI acquisition, processing and analysis techniques provided powerful tools for the study of morphological and volumetric changes in brain tissue before and after surgery. Detecting and quantifying these changes in patients undergoing epilepsy surgery is of considerable interest. However the relationship of these changes to seizure control and neuropsychological outcome is uncertain at present.

Ongoing research projects includes:

- Evaluating the MR Angiography in cerebral aneurysms to assess its use in defining the anatomy and morphology of the aneurysms to help planning surgical treatment
- Assessing the morphological changes in the brain in patients following epilepsy surgery using MRI quantitative volumetric analysis, and then correlating the detected changes with the neuropsychological function and the seizure control.
- Studying the perfusion in brain meningiomas using fast sequences MR perfusion technique tracking a bolus of contrast at microvascular level, analyzing the tumour microvascular status as well as the changes in brain tissue surrounding the tumour.

Some of the results of these research projects have already been published in international journals with several presentations at national and international meetings and conferences.

### **Neurostimulation:**

- Use of peri-operative evoked potential recording during positioning of spinal cord stimulation. This study explores the use of intra-operative peripheral nerve recording of evoked responses from the stimulator as an adjunct to the wake-up test.
- Trigeminal nerve stimulation for intractable facial pain. We have used different stimulation technique to stimulate the trigeminal nerve to control the intractable facial pain. The initial result of this technique has been prepared for publication.

### **Spinal cord regeneration:**

Signal for induction of monocyte chemo-attractant (MCP1) in Schwann cells following injury. SOCS-3 response to ciliary neurotrophic factor in neuronal cell line.

### **Trials co-ordinator**

RESCUicp trial (Randomised controlled Evaluation of Surgical craniectomy for elevation of ICP)

CAFÉ trial (Cancer Fractures Evaluation)

STICH trial (Surgical Treatment of Intracerebral Haematoma)

### **Research grants and sponsorship**

Sponsorship for minimally access neurosurgery fellow for 3 years, 2005-2008.

Industry research fund for 3 spinal research fellows with research projects( MD/PhD thesis) on spinal regeneration and protection.

Research grant from R&D in support of spinal cord stimulation research project, 2004-2006.

Industry grant in support of neurostimulation research, 2005-2008.

**PUBLISHED PAPERS:**

1. Traumatic intraspinal extradural ganglion cyst in a teenager: Case report and review of the literature.  
S S Vasani, A Demetriades, S M Joshi, J Yeh and H Ellamushi  
**Clin Neurol Neurosurg**. 2006 Apr 26
2. Tension pneumocephalus following head injury  
S M Joshi, A Demetriades, S S Vasani, H Ellamushi and J Yeh  
**Emergency Medicine Journal** 2006;23(4):324.
3. Acknowledgement: Mobile phone use and risk of glioma in adults: case-control study.  
**BMJ** 2006 Apr 15;332(7546):883-7.
4. Outcome of petrosal sinus sampling and trans-sphenoidal surgery in paediatric Cushing's Disease.  
S Joshi, H Ellamushi, K Razajooi, J Norris, M Bisser, F Afshar  
**Neurosurgery** 2005 August; 57(2):281-285
5. Trigeminal neuralgia secondary to Chiari malformation and hydrocephalus. Treatment with ventriculoperitoneal shunt.  
K Gnanalingham, S Joshi, B Lopez, H Ellamushi and P Hamlyn  
**Journal of Surgical Neurology**. 2005 Jun;63(6):586-9
6. Patients satisfaction with neurosurgery: Result of questionnaire survey.  
L Thorn, H Ellamushi, N Kitchen & M Powell  
**British Journal of Neurosurgery** 2002 July; 16(3): 243-255
7. Unruptured cerebral aneurysms causing seizure disorder.  
H Ellamushi, L Thorn & N Kitchen  
**Search on Epilepsy** 2001; 8(2): 15-17
8. The internet as source of information to neurosurgical patients and their families. How good is the quality of the information?  
H Ellamushi, G Narenthian & N Kitchen  
**Ann R Coll Surg Engl** 2001 July; 83(4): 292-295
9. Risk factors for multiple intracranial aneurysms.  
H Ellamushi, J Grieve, R Jäger & N Kitchen  
**J Neurosurg** 2001 May; 94(5): 728-732
10. CSF rhinorrhea and pneumocephalus following temporal lobectomy.  
H Ellamushi, J Hussein & W Harkness  
**British Journal Neurosurgery** 2000 Dec; 14(6): 565-567
11. Contrast enhancing MR angiography in intracranial giant aneurysms.  
R Jäger, H Ellamushi, J Grieve, E Moore, N Kitchen, W Taylor  
**AJNR. Am J Neuroradiol** 2000 Nov-Dec; 21 (10): 1900-1907
12. Atrophy of unresected brain following epilepsy surgery.  
H Ellamushi, N Moran, L Lemieux, N Kitchen, J Stevens & B Kendall  
**Journal of Magnetic Resonance Imaging**, 2000 April; 18(3): 269-74

13. Experience with endoscope assisted transsphenoidal microsurgery  
H Ellamushi & M Powell  
**The Centre of the Skull Base. Sellar region and cavernous sinus;**  
**Rudolf Fahbusch, Michael Buchfelder, 2000, pp 192-199**
14. Consent to surgery in a high risk specialty: a prospective audit.  
H Ellamushi, R Khan & N Kitchen  
**Ann R Coll Surg Engl** 2000 May; 82(3): 213-6
15. Surgical treatment of epilepsy resistant to medical treatment. **Editorial**  
H Ellamushi & N Kitchen.  
**Hospital Medicine** 2000 April; 61(4): 228-9
16. Brain atrophy following brain surgery.  
H Ellamushi, N Moran, L Lemieux, N Kitchen.  
**Proceedings volume of 11<sup>th</sup> European Congress of Neurosurgery, published by Meduzzi Editore: pp753-758**
17. Unruptured cerebral aneurysms causing seizure disorder.  
H Ellamushi, L Thorn & N Kitchen  
**Seizure** 1999; 8 (5): 310-313
18. Strangulated small bowel internal hernia of the falciform ligament.  
H Ellamushi, R Molloy, I Smith  
**British Journal of Surgery** 1992; 75: 37-38
19. Small bowel adenocarcinoma complicating Crohn's disease.  
H Ellamushi, I Smith  
**Scottish Medical Journal** 1992; 37: 054-055

## **BOOK CHAPTERS:**

1. Won E-K, Ellamushi H, Baltuch GH. **Essential Tremor: Patient selection, technique and surgical results. In "Surgical Management of Movement Disorder" Edited by Baltuch GH/ Stern MB, Tylor and Francis 2005. Section II, pp 111-117**
2. Ellamushi H, Baltuch GH. Tourette's Syndrome Surgical treatment. **In "Surgical Management of Movement Disorder" Edited by Baltuch GH/ Stern MB, Tylor and Francis 2005. Section V, pp 215-221**
3. Experience with endoscope assisted transsphenoidal microsurgery  
H Ellamushi & M Powell  
**The Centre of the Skull Base. Sellar region and cavernous sinus;**  
**Rudolf Fahbusch, Michael Buchfelder, 2000, pp 192-199**

**PUBLISHED ABSTRACTS:**

1. Balloon kyphoplasty in treating Osteoporosis and tumour vertebral collapse.  
J Yeh, F Afshar, H Ellamushi  
**Journal of the Royal Society of medicine. In press**
2. Vagus nerve stimulation for intractable epilepsy.  
R Vangroningen, C Green, J Mc Auley & H Ellamushi  
**British Journal of Neurosurgery. In press**
3. Vagus nerve stimulation for intractable epilepsy.  
R Vangroningen, C Green, J McAuley & H Ellamushi  
**The proceedings of the international league on epilepsy treatment**
4. Trans-sphenoidal surgery and petrosal sampling in childhood and adolescent Cushing's disease.  
K Rezajooi, H Ellamushi, Besser M, F Afshar  
**British Journal of Neurosurgery** 2001; 14(5): 514
5. Titanium based bony reconstruction in skull base surgery.  
G Samandouras, H Ellamushi, I Sabin  
**Skull Base** 2001; 11(supp2): 16
6. Auditing patients experience and satisfaction with perioperative care:  
Result of a questionnaire survey.  
H Ellamushi, S Mtandari, L Thorne, A W McEvoy, M Powell, N Kitchen  
**The proceedings of 12<sup>th</sup> World Congress of Neurosurgery, Sept 2001**
7. Does knowledge of the complication rate in a paediatric unit result in a fewer complications? Implication for clinical governance.  
J Pollock, T Alsheiks, H Ellamushi, W Harkness, R Hayward  
**British Journal of Neurosurgery** 2000; 14(5): 81
8. Distribution of mirror and multiple intracranial aneurysms.  
G Biring, J Grieve, H Ellamushi & N Kitchen  
**British Journal of Neurosurgery** 2000; 14(1): 81
9. Glasgow outcome scale following aneurysmal subarachnoid haemorrhage, improved prediction using neural network optimisation.  
G Solanki, J Grieve, H Ellamushi & N Kitchen  
**British Journal of Neurosurgery** 2000; (1): 80
10. The internet as a source of information to neurosurgical patients and their families. How good is the quality of the information?  
H Ellamushi, G Narentian, S Beales, G Solanki & N Kitchen  
**British Journal of Neurosurgery** 2000; 14(1): 79
11. Evaluation of the Massachusetts General Hospital score in predicting Outcome following surgery for intracranial aneurysms.  
J Grieve, J Watkin, S Beales, H Ellamushi & N Kitchen  
**British Journal of Neurosurgery** 2000; 14(1): 78

12. Risk factors for multiple intracranial aneurysms.  
H Ellamushi, J Grieve, R Jäger & N Kitchen  
**Proceeding of the Congress of Neurological Surgeons 49<sup>th</sup> Annual meeting**, (466): 660 (1999).
13. Atrophy of unresected brain following epilepsy surgery.  
L Leimeux, H Ellamushi, N Moran & N Kitchen  
**Proceedings of The International Society for Magnetic Resonance In Medicine**, May 1999
14. Risk factors for multiple intracranial aneurysms.  
H Ellamushi, J Grieve, R Jäger & N Kitchen  
**British Journal of Neurosurgery** 2000; 14(1): 76
15. Predicting Outcome following surgery for intracranial aneurysms.  
J Grieve, J Watkin, S Beales, H Ellamushi & N Kitchen  
**The proceedings of the 11<sup>th</sup> European Congress of Neurosurgery**, September 1999
16. Brain atrophy following Brain surgery.  
H Ellamushi, L Leimeux, N Moran & N Kitchen  
**The proceedings of the 11<sup>th</sup> European Congress of Neurosurgery, Sept 1999**
17. Brain atrophy following epilepsy surgery, prospective morphometric study.  
H Ellamushi, L Leimeux, N Moran & N Kitchen  
**Computer Assisted Radiology**, pp.1051:CAR 99, edited by H Lemke & M Vannir
18. Endoscope assisted transsphenoidal microsurgery.  
H Ellamushi, N Kitchen & M Powell  
**Skull Base Surgery** 1999; 9(2): 11
19. What is the cost of craniotomy related complications?  
Result of a prospective study.  
J Allibone, H Ellamushi, W Harkness & R Hayward  
**British Journal of Neurosurgery** 1998; 12 (1): 86
20. Auditing the peri-operative complications in a paediatric neurosurgical unit. Is retrospective study useful?  
H Ellamushi, J Allibone, W Harkness & R Hayward  
**British Journal of Neurosurgery** 1998; 12 (1): 86

**PAPERS UNDER PREPARATION / SUBMITTED:**

1. Vagus nerve stimulation for intractable epilepsy. Ten years follow up  
R Vangroningen, C Green, J McAuly & H Ellamushi
2. Trigeminal nerve stimulator for intractable facial pain. New stimulation technique.  
Technical report.  
H Ellamushi & P Hamlyn
3. Cerebellar stimulation for treating Spasticity. Report of 10 cases.  
R Vangroningen, C Green, J McAuly & H Ellamushi
4. Balloon kyphoplasty treatment for spontaneous vertebral fracture in renal osteodystrophy.  
D Andreas, J Yeh, F Afshar & H Ellamushi
5. Balloon kyphoplasty. Minimally invasive approach for spinal fracture and cancer.  
H Ellamushi, J Yeh, F Afshar

**AUDIT PROJECTS AND PUBLICATIONS:**

1. Patients satisfaction with neurosurgery: Result of Questionnaire Survey  
H Ellamushi, L Thorn, N Kitchen & M Powell  
**British Journal of Neurosurgery 2002 July; 16(3): 243-255**
2. The Internet as source of information to neurosurgical patients and their families. How good is the quality of the information?  
H Ellamushi, G Narenthian & N Kitchen  
**Ann R Coll Surg Engl 2001 July; 83(4): 292-295**
3. Does knowledge of the complication rate in a paediatric unit result in a fewer complications? Implication for clinical governance.  
J Pollock, T Alsheiks, H Ellamushi, W Harkness, R Hayward  
**British Journal of Neurosurgery 2000; 14(5): 514**
4. What is the cost of craniotomy related complications?  
Result of a prospective study.  
J Allibone, H Ellamushi, W Harkness & R Hayward  
**British Journal of Neurosurgery 1998; 12 (1): 86**
5. Consent to surgery in a high risk speciality: a prospective audit.  
H Ellamushi, R Khan & N Kitchen  
**Ann R Coll Surg Engl 2000 May; 82(3): 213-6**
6. Auditing the perioperative complications in a paediatric neurosurgical unit. Is retrospective study useful?  
H Ellamushi, J Allibone, W Harkness & R Hayward  
**British Journal of Neurosurgery 1998; 12 (1): 86**

**NATIONAL AND INTERNATIONAL PRESENTATIONS:**

1. Balloon kyphoplasty. The experience of Barts and the London.  
H Ellamushi  
**Royal Society of medicine(spine and trauma section), London, February 2006**
2. Balloon kyphoplasty in treating Osteoporosis and tumour vertebral collapse.  
J Yeh, F Afshar, H Ellamushi  
**Royal Society of medicine(oncology section), London, January 2006**
3. Balloon kyphoplasty for spinal collapse. Our experience with the new treatment.  
S Joshi, J Yeh, F Afshar & H Ellamushi  
**Society of British Neurological Surgeons, September 2005**
4. Vagus nerve stimulation for intractable epilepsy.  
R Vangroningen, C Green, J Mc Auley & H Ellamushi  
**Society of British Neurological Surgeons, Manchester, September 2004**
5. Vagus nerve stimulation for epilepsy. Result of ten years follow up.  
R Vangroningen, C Green, J Mc Auley & H Ellamushi  
The international league on epilepsy treatment, Cardiff, June 2004
6. Titanium based bony reconstruction in skull base surgery.  
G Samandouras, H Ellamushi, I Sabin  
**5<sup>th</sup> European Skull Base Society, Copenhagen, June 2001**
7. Auditing patients experience and satisfaction with perioperative care:  
Result of a questionnaire survey.  
H Ellamushi, S Mtandari, L Thorne, A W McEvoy, M Powell, N Kitchen  
**12<sup>th</sup> World Congress of Neurosurgery, Sydney, Australia, Sept 2001**
8. Trans-sphenoid surgery and perusal sampling in childhood and  
Adolescent Cushing's disease.  
K Rezajooi, H Ellamushi, Besser M, F Afshar  
**Society of British Neurological Surgeons, Newcastle, April 2001**
9. Does knowledge of the complication rate in a paediatric unit result in a  
fewer complications? Implication for clinical governance.  
J Pollock, T Alsheiks, H Ellamushi, W Harkness, R Hayward  
**Society of British Neurological Surgeons, Glasgow, April 2000**
10. Morphometric changes in brain following epilepsy surgery.  
H Ellamushi, L Leimeux, N Moran & N Kitchen  
**Congress of Neurological Surgeons, Boston, USA, November 1999**
11. Risk factors for multiple intracranial aneurysms.  
H Ellamushi, J Grieve, R Jäger & N Kitchen  
**Congress of Neurological Surgeons, Boston, USA, November 1999**
12. Predicting outcome following surgery for intracranial aneurysms.  
J Grieve, J Watkin, S Beales, H Ellamushi & N Kitchen  
**11<sup>th</sup> European Congress of Neurosurgery, Copenhagen, Sept 1999**

13. Volumetric brain changes following epilepsy surgery.  
H Ellamushi, L Leimeux, N Moran & N Kitchen  
**11<sup>th</sup> European Congress of Neurosurgery, Copenhagen, Sept 1999**
14. Distribution of mirror and multiple intracranial aneurysms.  
G Biring, J Grieve, H Ellamushi & N Kitchen  
**Society of British Neurological Surgeons, Cork, September 1999**
15. Glasgow outcome scale following aneurysmal subarachnoid haemorrhage, improved prediction using neural network optimisation.  
G Solanki, J Grieve, H Ellamushi & N Kitchen  
**Society of British Neurological Surgeons, Cork, September 1999**
16. Evaluating of the Massachusetts General Hospital score in predicting Outcome following surgery for intracranial aneurysms.  
J Grieve, J Watkin, S Beales, H Ellamushi & N Kitchen  
**Society of British Neurological Surgeons, Cork, September 1999**
17. The internet as a source of information to neurosurgical patients and their families. How good is the quality of the information?  
H Ellamushi, G Narenthian, S Beales, G Solanki & N Kitchen  
**Society of British Neurological Surgeons, Cork, September 1999**
18. Brain atrophy following epilepsy surgery, a morphometric study.  
H Ellamushi, L Leimeux, N Moran & N Kitchen  
**Computer Assisted Radiology (CAR 99) Paris, June 1999**
19. Endoscope assisted trans-sphenoidal pituitary microsurgery.  
H Ellamushi, N Kitchen & M Powell  
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**General INTERESTS:**

**Football:** Victoria Infirmary football team, Glasgow 1991-1992.

**Sailing:** Dinghy sailing