

CURRICULUM VITAE

KEYOUMARS ASHKAN

**BA (Hons.), BSc (Hons.), MB BCh (Commend.),
MRCP(UK), FRCS (Eng.), FRCPS (Glasg.),
FRCS (Neurosurgery)**

PERSONAL DETAILS:

Name: **Keyoumars ASHKAN (Mr.)**

Nationality: **British**

Date of Birth: **27.02.1968**

Status: **Single**

POST GRADUATE QUALIFICATIONS:

Intercollegiate Fellowship in Neurological Surgery: **FRCS (Neurosurgery):** Oct 2002

Fellowship of the Royal College of Surgeons of England: **FRCS (Eng.):** Feb 98.

Membership of the Royal College of Physicians: **MRCP (UK):** Feb 97.

Fellowship of the Royal College of Physicians and Surgeons of Glasgow: **FRCPS:** Feb 98.

Advanced Trauma and Life Support – **ATLS:** July 97, **INSTRUCTOR:** since June 2002.

Examination of the European Association of Neurosurgical Societies, part 1: Feb 2004

UNDERGRADUATE QUALIFICATIONS:

University of Wales College of Medicine: 1987-1993

Degrees of Bachelor of Medicine and Bachelor of Surgery, **MB. BCh.**, awarded with **Commendation:** July 93.

Intercalated Degree of Bachelor of Science, **BSc**, in Medical Biochemistry, **FIRST CLASS with HONOURS:** July 90.

DISTINCTIONS Gained at MB. BCh. Degree examinations:

Anatomy (June 89), **Biochemistry** (June 89), **Physiology** (June 89),
Psychology (June 89), **Pathology** (June 91), **Pharmacology** (June 91),
Psychiatry (June 93).

The Open University:

Degree of Bachelor of Art, **BA**, in combined studies: Mathematics, Music, Sociology and Social Anthropology, **UPPER SECOND CLASS with HONOURS:** December 99.

Diploma in Music, **Dip. Mus.:** December 97.

School Education: BRONDESBURY and KILBURN High School, London.
PADDINGTON College, London.

Examinations: “A” Levels (June 87): **BIOLOGY (A), PHYSICS (A), MATHS (A),
CHEMISTRY (A).**

“S” Levels (June 87): **BIOLOGY (Distinction), CHEMISTRY (Merit),
MATHS (Merit).**

NATIONAL AND UNIVERSITY PRIZES AND SCHOLARSHIPS:

1. First Prize for the Best Paper/Presentation at the Society of British Neurological Surgeons Meeting, London 2001.
2. Neurosciences Research Foundation Award 2003-4.
3. Medtronic Fellowship 2003-4.
4. FHC Fellowship 2003-4.
5. Travelling Fellowship of the Royal College of Surgeons of Glasgow 2002-3.
6. Runner up for the President's Prize of The Royal society of Medicine, 1999.
7. Eating Disorders Association's National Essay Prize, awarded by HRH Duchess of Gloucester, Cambridge, 1992.
8. Commendation: The College of Ophthalmologists for Duke Elder National Competition, 1992.
9. Medical Defence Union Prize in Legal Aspects of Medicine and ethics, 1991.
10. GLAXO Company Intercalated Awards/scholarship, 1989-90.
11. The Phyllis Amelia Peach Prize in Medicine, 1993.
12. The D. J. Harries Prize in Surgery, 1993.
13. The Cardiff Chest Federation Prize in Respiratory Medicine, 1993.
14. The McLintock Prize in Clinical Cancer, 1993.
15. The Geoffrey Hodgson Prize in Clinical Dermatology. 1993.
16. The Clive Rees Prize for the Best Elective Report, 1993.
17. The Dora Pentol Prize in Child Health, 1993.
18. The Hunter scholarship in Cancer Research, 1991-2.
19. The Medical Insurance Agency Scholarship for Elective Studies, 1992.
20. The Jethro Gough Prize in Pathology, 1992.
21. Runner up for the D. A. Williams Prize in Therapeutics, 1993.
22. Runner up for the Isca General Practice Unit Prize, 1991.

SCHOOL PRIZES:

Piano prize with school choir: 1983-4; General Knowledge prize: 1983-4; Interschool essay prize: 1982-3.

POSITIONS HELD:

CURRENT POST:

**National Hospital for Neurology and Neurosurgery and The Institute of Neurology:
November 2004 onwards:**

Senior Lecturer in Functional Neurosurgery and Consultant Neurosurgeon.

FELLOWSHIP:

Hopital Nord and INSERM U318, Grenoble, France: February 2003 to February 2004:

Fellow in Functional Neurosurgery. **Prof. A. L. Benabid.**

SPECILIST REGISTRAR POSTS:

King's College Hospital: February 2004 to October 2004:

Senior Specialist Registrar in Neurosurgery. **Mr. R. Selway, Mr. R. Gullan, Mr. P. Bullock, Mr. N. Thomas and Mr. C. Chandler.**

National Hospital for Neurology and Neurosurgery: August 2002 to February 2003:

Senior Specialist Registrar in Neurosurgery. **Prof. D.T. Thomas, Prof. M. Hariz, Mr. M. Powell and Mr. L. Watkins.**

Great Ormond Street Hospital: February 2002 to August 2002:

Senior Specialist Registrar in Neurosurgery. **Mr. R. Hayward, Mr. W. Harkness and Mr. D. Thompson.**

Atkinson Morley's Hospital: February 2001 to February 2002:

Senior/Specialist Registrar in Neurosurgery. **Prof. A. Bell, Mr. H. Marsh, Miss A. Moore, Mr. F. Johnston and Mr. S. Stapleton.**

Hurstwood Park Neurological centre: February 2000 to February 2001:

Specialist Registrar in Neurosurgery. **Mr. P. Walter, Mr. C. Hardwidge, Mr. J. Norris and Mr. P. Ward.**

Atkinson Morley's Hospital: March 1999 to February 2000:

Specialist Registrar in Neurosurgery. **Prof. A. Bell, Mr. H. Marsh, Miss A. Moore, Mr. F. Johnston and Mr. S. Stapleton.**

Charing Cross Hospital: March 1998 to March 1999:

Neurosurgery, Locum Appointment for Registrar Training (LAT). **Mr. M. Rice Edwards, Mr. N. Mendoza, Mr. D. Peterson, Mr. A. Casey and Prof. T. Aziz.**

SENIOR HOUSE OFFICER POSTS:

Leicester General Hospital, Leicester: August 1997 to March 1998:

General Surgery, including Gastrointestinal, Vascular and Laparoscopic surgery. **Mr. M. Dennis, Mr. R. Sayers, Mr. W. Barrie, Prof. M. Nicholson, Mr. A. Dennison, Mr. P. Vitch, Mr. M. Kelly and Mr. M. Thomas.**

Southampton General Hospital, Southampton: February 1997 to August 1997:

Trauma and Orthopaedics including Spinal Surgery. **Mr. J. Harley.**

National Hospital for Neurology and Neurosurgery and The University College London Hospitals, London: November 1995 to February 1997:

Neurosurgery. **Prof. D.T. Thomas, Prof. A. Crockard, Mr. N. Kitchen, Mr. M. Powell and Mr. J. Palmer.**

Neurology and Neurological Intensive Care. **Dr. J. Morgan-Hughes, Prof. D. Miller, Dr. N. Hirsch and Dr. R. Howard.**

Hammersmith Hospital NHS Trust and The Royal Postgraduate Medical School, London: February 1995 to August 1995:

Gastroenterology and General medicine. **Prof. H. Hodgson, Dr. J. Calam and Dr. J. Walters.**

Clinical Haematology and Bone Marrow Transplant. **Prof. J. Goldman, Dr. D. Swirsky, Dr. J. Apperley, Dr. M. Laffan and Dr. D. Savage.**

Royal Brompton National Heart and Lungs Hospitals, London: August 1994 to February 1995:

Cardiology including Interventional and Grown Up Congenital Heart Disease Units. **Dr. J. Somerville, Dr. P. Oldershaw, Dr. U. Sigwart, Dr. S. Davies, Dr. N. Buller and Dr. R. Sutton.**

HOUSE OFFICER POSTS:

University Hospital of Wales and University of Wales College of Medicine, Cardiff: August 1993 to August 1994:

General surgery. **Prof. R. Mansel- Head of Department of Surgery.**

Paediatric Surgery. **Mr. J. Lari.**

General Medicine and Infectious Diseases. **Prof. L. Borysiewicz- Head of Department of Medicine- and Prof. P. Harper.**

General Medicine. **Dr. J. Henry Jones.**

Cardiology. **Prof. A. Henderson and Dr. A. Fraser.**

ELECTIVE STUDIES:

Neurosciences, 8 weeks. **Prof. P Muller**, Department of Neurosurgery, St. Michael's Hospital, University of Toronto, Canada; 1992.

CAREER PLANS:

I have completed an intensive general neurosurgical training programme, working in several leading units such as The National, Atkinson Morley's and King's College Hospitals. This has provided me with the experience and knowledge to deal competently with the wide spectrum of neurosurgical conditions. My particular field of interest is functional and especially movement disorder surgery. In my training, I have been fortunate to work with Prof. D. Thomas, Prof. M. Hariz and Prof. T. Aziz learning the principles of stereotaxy and functional neurosurgery. I find my background in neurology at the National Hospital particularly useful in the assessment and the management of this group of patients. I also completed a year of fellowship with Prof. Benabid, Grenoble, France, learning the techniques of deep brain stimulation including targeting and intra operative electrophysiology. My current post at the Sobell Department of Motor Neuroscience and Movement Disorders allows further development of my expertise in this area.

I recognise the importance of research to clinical medicine and have actively and consistently participated in planning, execution, presentation and publication of research work throughout my career. During my fellowship in France, I carried out both basic science and clinical research on various aspects of deep brain stimulation. The scientific work involved subthalamic nucleus lesioning or high frequency stimulation in models of Parkinson's Disease with particular reference to the issue of dopaminergic neuroprotection. The clinical projects centred around topics such as targeting of the subthalamic nucleus, microelectrode impedance changes during intra operative recording and the somatotopy of the subthalamic nucleus. Several abstracts arising from this work have been presented in national and international meetings and further papers are under preparation. This research was submitted for the **MD degree** of University of Wales

College of Medicine in February 2006. I aim to further develop my research interests in my current capacity at the Institute of Neurology.

CLINICAL and OPERATIVE EXPERIENCE:

I am competent in the pre and postoperative care of patients, including interpretation of radiological investigations. Throughout my neurosurgical training, and as part of a team, I have been involved in the day to day management of patients both on the wards, in theatres and in the outpatient clinics. My operative neurosurgical experience includes performing deep brain stimulation for movement disorders and pain, craniotomies for trauma, aneurysms and tumours, including meningiomas, posterior fossa craniectomies, trans sphenoidal surgery, image guided biopsies, malignant spinal cord decompression and stabilisation, anterior cervical discectomies, lumbar laminectomies and microdiscectomies, cervical foraminotomies and laminectomies, burr holes for chronic subdural haematomas, and insertion of shunts and drains.

MANAGEMENT, AUDIT and TEACHING SKILLS:

In my career, I have been involved in management at multiple levels. In terms of the work force, I have regularly organised and lead large teams of registrars and senior house officers on a daily basis. I have been involved in short listing and interviewing of junior medical staff and regularly interview for SHO and Clinical Fellow jobs at the National Hospital. At the hospital level, I was the Atkinson Morley's Hospital representative on the Blood Transfusion (1999-2000) and the Health and Safety (2001-2002) Committees. I was a member of the committee for "CT down-time" protocol at the National Hospital (2005-2006). I have completed a formal management training course (2004).

I appreciate the value of audit and have been involved in the monthly "mortality and morbidity" or "notes" audit sessions. I have also performed larger scale audit projects looking at a diverse range of issues, to include utilisation of neurosurgical resources, role of subspecialisation in neurosurgery, management of malignant gliomas, analgesia in paediatric surgery and readmission to ITU after vascular surgery, some of which have been published.

I am very much interested in teaching. I am an ATLS instructor and regularly teach twice per year. At the postgraduate level, I have regularly presented at the Journal Clubs and the hospital

academic meetings. I have presented at the “Grand Rounds” at the Hammersmith Hospital, The Royal Brompton, the National Hospital for Neurology and Neurosurgery, the Kings College Hospital, the Princess Royal Hospital and the Eastbourne General Hospital. I was a guest speaker on a “brain injury” course organised by the Headway in Sussex in October 2000 and at the movement disorders seminar, Kings College London 2005. I chaired a session in the meeting of the World Federation of Neurosurgical Societies, Marrakech 2005. At the undergraduate level, I have been involved in teaching sessions for both the medical students and House Officers, including those working in the local district general hospitals. While at the Leicester General Hospital, I was formally on the teaching staff list for the final year medical students. I am currently in charge of the neurosurgical curriculum for medical students at University College London. At Hurstwood Park, I regularly taught on the “Neuro-course” organised for the nursing staff. I attended a formal teaching technique course in July 2004.

NEUROSURGICAL COURSES and MEETINGS ATTENDED:

1. Meeting of the Society of British Neurological Surgeons and the Neurosurgical Society of America, Cambridge 1997.
2. Meeting of the Society of British Neurological Surgeons, Cork 1999.
3. Meeting of the Society of British Neurological Surgeons, Glasgow 2000.
4. Meeting of the Society of British Neurological Surgeons and the Swiss Neurosurgical Society, Winchester 2000.
5. Meeting of the British Neuro-Oncology Group, Birmingham 2000.
6. Meeting of the British Stereotactic Surgery Group, Liverpool 2001.
7. Meeting of the Society of British Neurological Surgeons, London 2001.
8. Meeting of the World Society for Stereotactic and Functional Neurosurgery, Adelaide 2001.
9. Meeting of the World Federation of Neurosurgical Societies, Sydney 2001.

10. Hydrocephalus Symposium, Neuchatel 2002.
11. Meeting of the Society of British Neurological Surgeons, Cardiff 2003.
12. Meeting of the Society of British Neurological Surgeons and the Brazilian Neurosurgical Society, Oxford 2004.
13. Movement Disorders Society meeting, Rome June 2004.
14. International Workshop on Functional Neurosurgery for Movement Disorders, Pain and Psychiatric Illness, Institute of Neurology, London November 2004.
15. Special Parkinson's Research Interest Group meeting, London February 2005.
16. British Neurosurgical Research Group meeting, London March 2005.
17. Neurophysiological interventions in DBS therapy, London March 2005.
18. Meeting of the World Society for Stereotactic and Functional Neurosurgery, Rome June 2005.
19. Meeting of the World Federation of Neurosurgical Societies, Marrakech June 2005, **Session chairman.**
20. Meeting of the Society of British Neurological Surgeons and the Association of British Neurologists, Torquay September 2005.
21. Neuroscience and Neurotechnology Forum, Montreux September 2005.
22. Dystonia Forum: Discussion for future trials, Oxford October 2005.
23. Seminar in recognition of James Parkinson's 250th Birthday, London November 2005.
24. Movement Disorders Seminar, Kings College Hospital, London November 2005, **Invited speaker.**

25. Depression Forum: The role of DBS in management of depression, London December 2005.
26. British Neurosurgical Research Group meeting, Haywards Heath March 2006.
27. Meeting of the Society of British Neurological Surgeons, London April 2006.
28. Surgical Exposures for Intracranial Pathology course, Royal College of Surgeons 2000.
29. Midas Rex course, Royal College of Surgeons 2000.
30. North/Pan Thames Neurosurgical Course, 1999-2004.
31. Annual academic meeting and poster presentation, Princess Royal Hospital 2001 (Second prize).
32. European Association of Neurosurgical Societies Course, Amsterdam 2001.
33. Specialist Fellowship Course, Royal London Hospital 2002.
34. European Association of Neurosurgical Societies Course, Prague 2002.
35. European Association of Neurosurgical Societies Course, Bonn 2003.
36. European Association of Neurosurgical Societies Course, Budapest 2004.
37. Management Training Course, Kings College Hospital, London 2004.
38. Teaching the teachers course, Kings College Hospital, London 2004.
39. Spinal cord stimulation and intrathecal drug delivery systems course, Liverpool May 2006.

PUBLICATIONS:

1. Paper: **Ashkan K**, Wallace B, Bell BA, Benabid AL. Deep brain stimulation of the subthalamic nucleus in Parkinson's Disease 1993-2003: Where are we 10 years on? *British Journal of Neurosurgery*. 2004;18(1):19-34.
2. Paper: **Ashkan K**, Casey A, D'Arrigo C, Harkness W, Thomas D. Central Neurocytoma: A double misnomer. *Cancer*. 2000;89(5):1111-20.
3. Paper: Wallace B, **Ashkan K**, Banabid AL. Deep brain stimulation for the treatment of chronic intractable pain. *Neurosurgery Clinics of North America*. 2004;15(3):343-57.
4. Paper: **Ashkan K**, Marsh H. Microvascular decompression for trigeminal neuralgia in the elderly: a review of the safety and efficacy. *Neurosurgery*. 2004;55(4):840-50.
5. Paper: Mitrofanis J, **Ashkan K**, Wallace B, Benabid AL. Chemoarchitectonic heterogeneities in the primate zona incerta: clinical and functional implication. *Journal of Neurocytology*. 2004;33(4):429-40.
6. Paper: Fitzpatrick E, **Ashkan K**, Wallace B, Benabid AL, Mitrofanis J. Differential survival patterns among midbrain dopaminergic cells of MPTP-treated monkeys and 6OHDA-lesioned rats. *Anatomy and Embryology*. 2005;210:101-123.
7. Paper: Heise C, Teo Z, Wallace B, **Ashkan K**, Benabid AL, Mitrofanis J. Cell survival patterns in the pedunculo-pontine tegmental nucleus of MPTP treated monkeys and 6OHDA-lesioned rats: evidence for differences to idiopathic Parkinson disease patients? *Anatomy and Embryology*. Accepted, with publishers.
8. Paper: Chen C, Pogosyan A, Zrinzo L, Tisch S, Limousin P, **Ashkan K**, Yousry T, Hariz M, Brown P. Intra-operative recording of local field potentials can help localise the subthalamic nucleus in Parkinson disease surgery. *Experimental Neurology*. 2006;198(1):214-21.
9. Abstract: **Ashkan K**, Wallace B, Mitrofanis J, Brard PY, Fagret D, Benabid AL. Single photon emission computerised tomography in primate models of Parkinson's Disease. Poster

presentation at the Movement Disorders Society meeting, Rome, June 2004. Published in: *Movement Disorders*. 2004;19(suppl 9):35.

10. Abstract: **Ashkan K**, Hariz M, Skoglund T, Chamoun R, Bouclaous V, Zrinzo L, Tamraz J, Yousry T, Comair Y. New landmarks for targeting the subthalamic nucleus on MRI: Is it time to build on anterior commissure-posterior commissure based coordinates? Oral presentation at the meeting of The World Society for Stereotactic and Functional Neurosurgery, Rome, June 2005. Published in: *Stereotactic and Functional Neurosurgery*.
11. Abstract: **Ashkan K**, Zrinzo L, Blomstedt P, Tisch S, Yousry T, Limousin P, Hariz M. Direct targeting of the subthalamic nucleus on stereotactic MRI: How far is the visualised target from the AC-PC based atlas coordinates? Oral presentation at the meeting of The World Society for Stereotactic and Functional Neurosurgery, Rome, June 2005. Published in: *Stereotactic and Functional Neurosurgery*.
12. Paper: **Ashkan K**. Microvascular decompression for trigeminal neuralgia in the elderly: a review of the safety and efficacy. *Neurosurgery*. 2006;58(4):E799.
13. Abstract: **Ashkan K**, Batir A, Wallace B, Pollak P, Benabid AL. How is the impedance of electrodes used for microelectrode recording related to the outcome of deep brain stimulation surgery for Parkinson's Disease? Poster presentation at the Movement Disorders Society meeting, Rome, June 2004. Published in: *Movement Disorders*. 2004;19(suppl 9):309-10.
14. Paper: **Ashkan K**, Moore A. Spinal cord compression by an extradural lipoma in Klippel-Trenaunay Syndrome. *Journal of Neurosurgery*. 2002;97(2):269.
15. Abstract: **Ashkan K**, Wallace B, Mitrofanis J, Benabid AL. Lesioning of the subthalamic nucleus in primate models of Parkinson's Disease protects dopaminergic neurons in substantia nigra. Poster presentation at the meeting of The Society of British Neurological Surgeons, Oxford, April 2004. Published in: *British Journal of Neurosurgery*. 2004;18(4):434-5.
16. Paper: **Ashkan K**, Pollock J, D'Arrigo C, Kitchen N. Intracranial osteosarcoma: Report of four cases and review of the literature. *Journal of Neuro-Oncology*. 1998;40(1):87-96.

17. Abstract: Wallace B, **Ashkan K**, Chabardes S, LeBas J, Pollak P, Benabid AL. Subthalamic nucleus stimulation for Parkinson's Disease: anatomical localisation of the exact target. Poster presentation at the Movement Disorders Society meeting, Rome, June 2004. Published in: *Movement Disorders*. 2004;19(suppl 9):308.
18. Paper: Mumford A, **Ashkan K**, Elborne S. Clinically significant pulmonary barotrauma after inflation of party balloons. *British Medical Journal*. (Christmas issue) 1996;313(7072):1619.
19. Paper: **Ashkan K**, Edwards R, Bell BA. Crisis in resources: A neurosurgical prospective. *British Journal of Neurosurgery*. 2001;15(4):342-46.
20. Abstract: **Ashkan K**, Zrinzo L, Tisch S, Yousry T, Limousin P, Hariz M. The subthalamic nucleus: A comparative study of the directly visualised versus atlas based coordinates. Oral presentation at the meeting of The World Federation of Neurosurgical Societies, Marrakech, June 2005. Published in the abstract book and the proceedings of the meeting.
21. Abstract: **Ashkan K**, Yousry T, Zrinzo L, Hariz M. The mamillothalamic tract: A new landmark for targeting the subthalamic nucleus? Oral presentation at the meeting of The World Federation of Neurosurgical Societies, Marrakech, June 2005. Published in the abstract book and the proceedings of the meeting.
22. Abstract: **Ashkan K**, Zrinzo L, Thornton J, Yousry T, Tisch S, Jahanshahi M, Rothwell J, Limousin P, Hariz M. Peri-operative neurological incidents in patients undergoing deep brain stimulation: A review of 52 procedures. Poster presentation at the meeting of The World Federation of Neurosurgical Societies, Marrakech, June 2005. Published in the abstract book and the proceedings of the meeting.
23. Abstract: Wallace B, **Ashkan K**, Mitrofanis J, Brard P, Foote K, Benabid AL. Kainic acid lesioning of the subthalamic nucleus: neuroprotective effects on nigral degeneration in MPTP treated primates. Poster presentation at the Movement Disorders Society meeting, Rome, June 2004. Published in: *Movement Disorders*. 2004;19(suppl 9):42.

24. Paper: **Ashkan K**, Guy N, Hardwidge C. Mobile phones and the brain: What do the experts think? Published electronically on *British Medical Journal*. website. 2002, 5th February.
25. Paper: **Ashkan K**. Functional neurosurgery, University Hospital, Grenoble, France. *Bulletin of The Royal College of Physicians and Surgeons of Glasgow*. 2004;33(3):20-22.
26. Paper: **Ashkan K**, Johnston P, Moore A. A comparison of magnetic resonance imaging and neurophysiological studies in the assessment of cervical radiculopathy. *British Journal of Neurosurgery*. 2002;16(2):146-8.
27. Abstract: **Ashkan K**, Wallace B, Batir A, Krack P, Chabardes S, Pollak P, Benabid AL. Deep brain stimulation of the subthalamic nucleus in Parkinson's disease: a review of the technique and long-term follow-ups. Oral presentation at the meeting of The Society of British Neurological Surgeons, Cardiff, September 2003. Published in: *British Journal of Neurosurgery*. 2004;18(1):83-4.
28. Paper: **Ashkan K**, Guy N, Norris J. Sub-specialisation in neurosurgery: Perspective from a small speciality. *Annals of The Royal College of Surgeons of England*. 2003;85:149-53.
29. Abstract: Wallace B, **Ashkan K**, Foote K, Krack P, Benabid AL, Pollack P. Pallidal stimulation for Parkinson's disease: The influence of the active lead location on the long-term clinical outcome. Presentation at the meeting of The Society of British Neurological Surgeons, Cardiff, September 2003. Published in: *British Journal of Neurosurgery*. 2004;18(1):87.
30. Paper: **Ashkan K**, Casey A, Powell M, Crockard A. Back pain during pregnancy and after childbirth: An unusual cause not to miss. *Journal of the Royal Society of Medicine*. 1998;91:88-90.
31. Abstract: Brard PY, **Ashkan K**, Wallace B, Mitrofanis J, Fagret D, Benabid AL. MPTP modelling of Parkinson's Disease: DAT SPECT imaging with iodine-123-beta CIT-FP is a useful technique, correlated to behavioural and immunohistological studies. Oral presentation at the European Association of Nuclear Medicine Congress, Helsinki, September 2004.

Published in: *European Journal of Nuclear Medicine and Molecular Imaging*. 2004;31(Suppl2):248.

32. Abstract: **Ashkan K**, Marsh H. Microvascular decompression of trigeminal nerve: How relevant is a patient's age? Poster presentation at the meeting of The World Society for Stereotactic and Functional Neurosurgery, Adelaide, September 2001. Published in: *Stereotactic and Functional Neurosurgery*. 2001;77:206-7.
33. Paper: **Ashkan K**, Casey A. Pulmonary apex schwannoma. *Journal of Neurology, Neurosurgery and Psychiatry*. 1997;63(6):719.
34. Paper: **Ashkan K**, Papadopoulus M, Casey A, Thompson D, Powell M, Thomas D. Sellar tuberculoma: Report of two cases. *Acta Neurochirurgica*. 1997;139:523-25.
35. Paper: **Ashkan K**, Casey A, Hirsch N, Crockard A. A neurosurgically reversible cause of respiratory dysfunction in rheumatoid arthritis. *Postgraduate Medical Journal*. 1998;74(875): 507-508.
36. Paper: **Ashkan K**, Johnston F. From confusion to coma: A catastrophic deterioration. *Postgraduate Medical Journal*. 2001;77(903):52,56.
37. Abstract: Miller J, **Ashkan K**. A brief history of functional neurosurgery for psychiatric disorders. Oral presentation at the meeting of The Society of British Neurological Surgeons, London, April 2006. To be published in: *British Journal of Neurosurgery*.
38. Abstract: Zrinzo L, Tisch S, **Ashkan K**, Limousin P, Hariz M. Exact location of active DBS contact within target area predicts degree of clinical improvement in Parkinson's disease and dystonia. Oral presentation at the meeting of The Society of British Neurological Surgeons, London, April 2006. To be published in: *British Journal of Neurosurgery*.
39. Abstract: Arvin B, Tarnaris A, **Ashkan K**. The changing face of neurosurgery: a look ten years apart. Poster presentation at the meeting of The Society of British Neurological Surgeons, London, April 2006. To be published in: *British Journal of Neurosurgery*.

40. Abstract: Torres N, Chen C, Chabardes S, **Ashkan K**, Pollack P, Benabid AL. Stable localization of stimulating electrode in human subthalamic nucleus in advanced Parkinson 's disease. Poster presentation at the Movement Disorders Society meeting, New Orleans, March 2005. Published in: *Movement Disorders*. 2005;20(suppl 10):157.
41. Paper: Ahluwalia S, **Ashkan K**, Casey A. Meningeal melanocytoma: clinical features and review of the literature. *British Journal of Neurosurgery*. 2003;17(4):347-51.
42. Paper: Ibrahim A, **Ashkan K**, Smith M, Watkins L. Anticoagulation in a head-injured patient. *Journal of the Royal Society of Medicine*. 2003;96:591-2.
43. Paper: Hadjihannas E, **Ashkan K**, Norris J. Post traumatic pneumocephalus. *Minerva. British Medical Journal*. 2001;322:1374.
44. Paper: Zrinzo L. **Ashkan K**, Johnston F. Unusual cervical nerve root arrangement exposed during surgery: case report and review of the literature. *British Journal of Neurosurgery*. 2004;18(6):624-6.
45. Abstract: **Ashkan K**, Zrinzo L, Blomstedt P, Tisch S, Limousin P, Hariz M. A comparison of the direct MRI based targeting of the subthalamic nucleus versus the atlas based coordinates. Oral presentation at the meeting of The British Neurosurgical Research Group, London, April 2005. Published in: *British Journal of Neurosurgery*.
46. Abstract: **Ashkan K**, Wallace B, Mitrofanis J, Brard BY, Fagret D, Benabid AL. How useful is single photon emission computerised tomography in the evaluation of primate models of Parkinson's Disease? Oral presentation at the meeting of The British Neurosurgical Research Group, London, April 2005. Published in: *British Journal of Neurosurgery*.
47. Abstract: **Ashkan K**, Zrinzo L, Thornton J, Yousry T, Tisch S, Jahanshahi M, Rothwell J, Limousin P, Hariz M. Peri-operative observations in patients undergoing deep brain stimulation surgery: What lessons can be learnt? Poster presentation at the meeting of The British Neurosurgical Research Group, London, April 2005. Published in: *British Journal of Neurosurgery*.

48. Paper: **Ashkan K**, O'Connor D, Lambert S. Dislocation of the pisiform in a 9-year-old child. *Journal of Hand Surgery*. 1998;23B(2):269-70.
49. Paper: Stacey R, **Ashkan K**, Rice Edwards M. Rapid growth in a cavernoma. *British Journal of Neurosurgery*. 2000;14(6):585-588.
50. Abstract: Zrinzo L, Tisch S, **Ashkan K**, Limousin P, Hariz M. Location of active DBS contact within subthalamic area predicts degree of improvement of parkinsonian symptoms. Oral presentation at the meeting of The World Society for Stereotactic and Functional Neurosurgery, Rome, June 2005. Published in: *Stereotactic and Functional Neurosurgery*.
51. Abstract: Tisch S, Zrinzo L, Limousin P, **Ashkan K**, Hariz M. Effect of electrode contact position on clinical improvement in patients with generalised dystonia treated with pallidal deep brain stimulation Oral presentation at the meeting of The World Society for Stereotactic and Functional Neurosurgery, Rome, June 2005. Published in: *Stereotactic and Functional Neurosurgery*.
52. Abstract: **Ashkan K**, Edwards R, Bell BA. Efficiency in the use of resources in a regional neurosurgical unit: A prospective analysis. Oral presentation at the meeting of The Society of British Neurological Surgeons, Cork, September 1999. Published in: *British Journal of Neurosurgery*. 2000;14(3):273.
53. Abstract: Brown P, Tisch S, Chen C, Limousin P, **Ashkan K**, Magill P, Hariz M. Intra-operative recordings of local field potentials can help localise the subthalamic nucleus in PD. Oral presentation at the European Federation of Neurological Societies, Athens, September 2005. Published in: *European Journal of Neurology*. 2005;12(suppl 2):35.
54. Abstract: **Ashkan K**, Cudlip S, Wilkins P, Bell BA. Gliosarcoma: 10 years experience of a rare variant. Oral presentation at The British Neuro-Oncology Group meeting, Birmingham, September 2000. Published on the internet at: www.bnog.org/html/20th_agm.html
55. Abstract: Wallace B, **Ashkan K**, Mitrofanis J, Benabid AL. Survival of midbrain dopaminergic cells after deep brain stimulation of subthalamus in Parkinson disease: Evidence for neuroprotection? Oral presentation at the Australian Neuroscience Society

meeting, Perth, February 2005. Published in: *Proceedings of the Australian Neuroscience Society*. 2005;16.

56. Abstract: Heise C, Teo Z, Wallace B, **Ashkan K**, Benabid AL, Mitrofanis J. No major cell loss in the pedunculopontine tegmental nucleus in two animal models of Parkinson disease. Poster presentation at the Australian Neuroscience Society meeting, Perth, February 2005. Published in: *Proceedings of the Australian Neuroscience Society*. 2005;16.
57. Paper: Pardhanani G, **Ashkan K**, Mendoza N. Primary non-Hodgkin's lymphoma of the cranial vault presenting with unilateral proptosis. *Acta Neurochirurgica*. 2000;142(5):597-8.
58. Paper: **Ashkan K**, Rose P, Walter P. Cystic meningioma: Challenges in the diagnosis. *British Journal of Neurosurgery*. 2002;16(1):72-3.
59. Paper: Dyer A, **Ashkan K**, Norris J. Back pain and systemic compromise. *Postgraduate Medical Journal*. 2002;78:373,377.
60. Abstract: **Ashkan K**, Casey A, Harkness W, Thomas DT. "Benign Central Neurocytoma"- A double misnomer? Oral presentation at the joint meeting of The Society of British Neurological Surgeons and Neurosurgical Society of America, Cambridge, April 1997. Published in: *British Journal of Neurosurgery*. 1997;11(5):455.
61. Skoglund T, Hariz M, **Ashkan K**, Chamoun R, Bouclaous V, Zrinzo L, Yousry T, Tamraz J, Comair Y. The line joining the optic tract to the supramamillary commissure: A new landmark for targeting the subthalamic nucleus on coronal MRI. Poster presentation at the meeting of The World Federation of Neurosurgical Societies, Marrakech, June 2005. Published in the abstract book and the proceedings of the meeting.
62. Abstract: Fenn N, Johnson R, **Ashkan K**, Mansel R. Isolated hyperthermic Limb Perfusion for malignant melanoma- A valuable therapeutic intervention? Oral presentation at The British Association of Surgical Oncology meeting, Oxford, July 1996. Published in: *European Journal of Surgical Oncology*. 1996;22(5):554.

63. Paper: Hadjihannas E, **Ashkan K**, Norris J. Reduced consciousness with a runny nose. *Journal of the Royal Society of Medicine*. 2001;94:293-4.
64. Abstract: **Ashkan K**, Cudlip S, Rose P, Wilkins P. Neurocysticercosis: An old disease revisited. Poster presentation at The British Neuropathology Society meeting, London, January 2001. Published in: *Neuropathology and Applied Neurobiology*. 2001;27(2):156.
65. Abstract: **Ashkan K**, Marsh H. Microvascular decompression for trigeminal neuralgia: Experience in patients in the seventh and eighth decades of life. Oral presentation at the meeting of The Society of British Neurological Surgeons, London, September 2001. Published in: *British Journal of Neurosurgery*. 2002;16(4):413.
66. Abstract: **Ashkan K**, Cudlip S, Wilkins P, Bell BA. Gliosarcoma: A 10 year survey of a rare tumour. Oral presentation at the meeting of The World Federation of Neurosurgical Societies, Sydney, September 2001. Published in the abstract book and the proceedings of the meeting.
67. Abstract: Muller P, **Ashkan K**. The stability of blood count changes induced by craniotomy with and without Photodynamic Therapy. Oral presentation at the Canadian Congress of Neurological Sciences, Toronto, June 1993. Published in: *The Canadian Journal of Neurological Sciences*. 1993;20(Supple 2):42.
68. Paper: Rust P, **Ashkan K**, Ball C, Stapleton S, Marsh H. Gliomatosis cerebri: Pitfalls in diagnosis. *Journal of Clinical Neuroscience*. 2001;8(4):361-3.
69. Paper: **Ashkan K**, Casey A. The Christmas Tree Sign. *Journal of Neurology, Neurosurgery and Psychiatry*. 1999;67(6):824.
70. Abstract: Benabid AL, Wallace B, Chabardes S, **Ashkan K**, Piallat B, Fraix V, Krack P, Ardouin C, Pollak P. Neuromodulation and neuroplasticity by deep brain stimulation in movement disorders and other diseases. Oral presentation at the Symposium on Neuron Differentiation and Plasticity – Regulation by Intercellular Signals, Moscow, July 2003. Published in the abstract book and the proceedings of the meeting.

71. Paper: **Ashkan K**, Shelly R, Barlow I. An unusual case of irreducible knee dislocation. *Injury*. 1998;29(5):383-384.
72. Abstract: **Ashkan K**, Cudlip S, Rose P, Wilkins P. Gliosarcoma: A clinicopathological survey of a rare tumour. Poster presentation at The British Neuropathology Society meeting, London, January 2001. Published in: *Neuropathology and Applied Neurobiology*. 2001;27(2):156.
73. Paper: **Ashkan K**, Nasim A, Dennis M, Sayers R. Acute arterial thrombosis after a long-haul flight. *Journal of the Royal Society of Medicine*. 1998;91:324.
74. Abstract: **Ashkan K**, Cudlip S, Rose P, Wilkins P, Marsh H, Walter P. Neurocysticercosis: New facies of an old disease. Poster presentation at the meeting of The Society of British Neurological Surgeons, London, September 2001. Published in: *British Journal of Neurosurgery*. 2002;16(4):412-3.
75. Paper: **Ashkan K**, Nasim A, Sayers R, Dennis M. Arterial thrombosis: A complication of loop ileostomy. *European Journal of Gastroenterology and Hepatology*. 1998; 10:795-796.
76. Abstract: Muller P, **Ashkan K**. The effect of Haematoporphyrin Derivative-Photodynamic Therapy on blood count changes induced by craniotomy. Oral presentation at The American Society for Laser Medicine and Surgery meeting, New Orleans, April 1993. Published in: *Lasers in Surgery and Medicine*. 1993;13(Supple 5):47-48.
77. Paper: **Ashkan K**, Lari J. Day case orchidopexy: Evidence and the practice. *Journal of One-Day Surgery*. 1998;7(4):8-10.
78. Abstract: **Ashkan K**, Wilkins P, Marsh H. Squamous cell carcinoma: A rare complication of dermoid cysts. Poster presentation at The British Neuropathology Society meeting, London, January 2002. Published in: *Neuropathology and Applied Neurobiology*. 2002;28(2):164-5.

PAPERS IN PREPARATION:

1. Modelling for Parkinson's Disease.

2. Magnetic Resonance Imaging of the basal ganglia in Parkinson's Disease with particular reference to targeting of the subthalamic nucleus.
3. Neuroprotective effects of subthalamic nucleus inhibition in primate models of Parkinson's Disease.
4. Impact of the initial microelectrode impedance on the final position of the chronic deep brain stimulating electrode.
5. Somatotopy of the subthalamic nucleus.

OTHER RESEARCH:

1. An audit of the management of malignant astrocytomas in South Wales, 1991-2. **Ashkan K**, Wiles CM.
2. A comparative study of the treatment of malignant astrocytomas between Canada and Wales, 1992. **Ashkan K**, Wiles CM, Muller P.
3. A study of bone marrow suppression occurring during Isolated Limb Perfusion for malignant melanoma, 1994. **Ashkan K**, Mansel R.
4. A study of factors influencing re-admission to ITU after vascular surgery, 1997-8. Murphy G, **Ashkan K**, Nasim A, Dennis M, Sayers R.
5. A dissertation for the degree of Bachelor of Science titled: "Detection of Adipocyte Specific Antigens in Chicken and Evaluation of their Appearance during in Vitro Differentiation." 1990.
6. A presentation at the Hammersmith Grand Round titled: " A case of Haemobilia", 1995.

PERSONAL INTERSETS:

Music: Have played the electronic Organ and Piano since 1979. Played in several school, college and university functions. Played the music for the Medical Students' Charity programmes, October 1989 and 1990, helping to raise over £3000.

Musical compositions: Several original pieces for electronic Organ.

In 1997 completed a 2 year part time course with the Open University and obtained the **DIPLOMA in MUSIC (Dip. Mus.)**.

Sports: Table Tennis and Swimming.

Travelling: Europe, Australia, Asia, Africa and North America.

I am a member of the **National Geographic Society**.

Studied French at the University College London, 2002.

Studied a 4-week German language course in Goethe Institute in Vienna, 1984.

Computing: I am familiar with the "Windows" and able to use most of the current word processing and data spreadsheet programmes.