

CURRICULUM VITAE

VERONICA L.S. CHIANG

PERSONAL

Business Address: Department of Neurosurgery, TMP 4
333 Cedar Street, New Haven, CT 06520

Office Phone: (203) 785-2808

Office Fax: (203) 785-2044

Email: veronica.chiang@yale.edu

PRESENT POSITIONS:

Neurosurgeon
Hospital of St. Raphael, New Haven, CT

Neurosurgeon
Yale New Haven Hospital, New Haven, Connecticut

Associate Professor, Department of Neurosurgery
Yale University School of Medicine, New Haven, Connecticut

Medical Director
Yale New Haven Hospital Gamma Knife Center

PAST POSITIONS

Director Neurointensive Care Unit
Yale New Haven Hospital, Connecticut
2001-2004

Chief of Neurosurgery, Department of Surgery
VA Medical Center, West Haven, Connecticut
2000-2006

Neurosurgeon
West Haven VA Medical Center, Connecticut
2006-2009

EDUCATION AND PROFESSIONAL TRAINING:

- July 2001 Gamma Knife Certification Course - Pittsburgh
- 1994-2000 Neurosurgery Residency, Department of Neurosurgery
Yale University School of Medicine/Yale New Haven Hospital
New Haven, Connecticut

Special Studies

Postdoctoral fellow, Division of Neurosciences Critical Care,
Department of Anaesthesiology, Neurology, Neurological Surgery and
Critical Care Medicine, Johns Hopkins University School of Medicine,
Baltimore, Maryland, Jan – June 2000

Clinical Fellowship, Paediatric Intensive Care Unit (PICU)
Yale University School of Medicine, Nov – Dec 1999

Chief Administrative Resident, Department of Neurosurgery
Yale University School of Medicine, 1999

Courses in Microsurgery, University of Hawaii School of Medicine, 1996

University of Hawaii, John A. Burns School of Medicine
Integrated Surgical Residency, Honolulu, Hawaii, July 1995- June 1996
including 4 months Surgical Intensive Care (SICU)

- 1993-94 Clinical Fellowship, Section of Neurosurgery, Department of Surgery
Yale New Haven Hospital
- 1993 Senior House Officer, Department of General Surgery
St. Mary's Hospital, Portsmouth, United Kingdom
- 1993 Resident, Department of Accident and Emergency
The Royal Perth Hospital, Western Australia
- 1992-93 Internship, The Royal Perth Hospital, Western Australia
- 1991 Bachelor of Medical Science (First Class Honours)
School of Medicine, University of Western Australia
- 1985-91 Bachelor of Medicine and Bachelor of Surgery
School of Medicine, University of Western Australia

BOARD CERTIFICATIONS AND MEDICAL LICENSURE:

2003 ABNS certification completed
 2000 State of Connecticut Medical Licensure
 1993 Medical Board of Western Australia Medical Licensure
 1993 General Medical Council, United Kingdom Medical Licensure

2009 ATLS-Instructor
 2008 ATLS-Instructor certification
 2006 ATLS certification
 1998 ATLS certification
 1998 USMLE Step 3
 1997 USMLE Step 1
 1997 American Board of Neurological Surgery - written
 1996 USMLE Step 2
 1996 Fellowship of the Royal Australasian College of Surgeons - Part 1
 1992 Education Commission for Foreign Medical Graduates
 ECFMG No. 0-471-400-2

MEMBERSHIPS IN PROFESSIONAL SOCIETIES AND ORGANIZATIONS:

2005 AANS/CNS Section on Tumors
 2003 AANS – active member
 2002 - 2004 CNS delegate to the Council of State Neurosurgical Society
 2002 CNS – active member
 2001 Society of Critical Care Medicine
 1999 AANS/CNS Section on Neurotrauma and Critical Care
 1997 American Association of Neurological Surgeons – resident member
 1997 Congress of Neurological Surgeons – resident member

COMMITTEES

2006-present Yale University School of Medicine Admissions Committee
 2005-present SWIM committee, Yale USOM
 2003-present Gamma Knife Medical Advisory Board
 2001-present Reviewer for *(Journal of) Neurocritical Care*
 2000-present Adult Trauma QI committee, YNHH
 1999-2004 Reviewer for *Journal Of Neurosurgery*

HONORS AND AWARDS:

1988 National Health and Medical Research Council of Australia Medical

Undergraduate Scholarship
1990 Asthma Foundation of Australia Scholarship
1991 First Class Honours (Thesis degree BMedSci)

POSTERS / PRESENTATIONS:

V Chiang, MD MR Spectroscopy – Oral presentation at Radiation Oncology Grand Rounds meeting, June 18, 2009.

J Deng, New Haven, CT; Z Chen, PhD; J P Knisely, MD; R H Decker; **V Chiang, MD**; R Nath, PhD. Monte Carlo Investigation of High Dose Single-Fraction Image-Guided Intensity-Modulated Radiosurgery of Spinal Metastases. Accepted for presentation at the Radiological Society of North America meeting, Chicago, December 2008.

(Also accepted for poster presentation at the 11th World Congress on Medical Physics and Biomedical Engineering, in Munich, Germany. September 7 – 12, 2009. (EDAS-paper-ID: 1569183627)

Ozturk A, Chamberlain DD, Patel T, Knisely JPS, **Chiang VL**. Detection of Occult Brain Metastases with High Resolution MRI using Double versus Single Dose Gadolinium. Accepted for digital poster presentation at the CNS meeting, Florida, September 2008.

(Also accepted for poster presentation at the ASTRO meeting, Boston, September 2008 – authors: Chamberlain DD, Yu JB, Roberts KB, Higgins SA, Mani S, Ozturk AK, **Chiang V** and Knisely J.)

Knisely JPS, Castrucci W, Gross C, **Chiang VL**. Radiosurgery Practitioner Attitudes Regarding the Use of Stereotactic Radiosurgery Alone for Oligometastatic Brain Metastases. Oral presentation at the Canadian Radiosurgery Society meeting, Quebec, Canada, February 2008.

Also presented at the Leksell Gamma Knife Society meeting, Canada, May 2008.

Castrucci W, Gross C, **Chiang VL**, Knisely JPS. A Survey of Treating Physicians regarding the use of Stereotactic Radiosurgery Alone for Cranial Oligometastases. Oral presentation at the American Radium Society Annual Meeting, California, May 2008

Redmond AJ, Diluna ML, Hebert R, Bond J, Knisely JPS, **Chiang VL**. The Association of Hemorrhage and Survival after Gamma Knife Stereotactic Radiosurgery for Melanoma Metastases. Poster presentation at the Leksell Gamma Knife Society meeting, Quebec City, Canada, May 2008.

Kasoff W, Higgins S, DeLotbiniere A, Knisely J, **Chiang V**. Stereotactic radiosurgery for ovarian cancer brain metastases: 11-year experience in a single institution. Oral presentation at the 8th *International Stereotactic Radiosurgery Society Congress Meeting*, San Francisco, June 2007.

Castrucci W, **Chiang V**, Bond J, Knisely J. Case report: Gamma Knife radiosurgical treatment of a catecholamine-secreting glomus jugulare tumor. Oral presentation at the *8th International Stereotactic Radiosurgery Society Congress Meeting*, San Francisco, June 2007.

Sidhu HS, Knisley JP, **Chiang VL**, Johnson MH. Neuroimaging Footprints of Gamma Knife Radiosurgery. Audiovisual presentation at the *American Roentgen Ray Society Annual Meeting*, Florida, May 2007.

Diluna ML, Chiang VLS, King JT, Bi WL, deLotbiniere ACJ, Knisely JPS. Stereotactic Radiosurgery for CNS Parenchymal Metastases: Prognostic Factors for Survival. Oral presentation at *ASTRO*, Los Angeles, Oct 2006.

DiLuna, ML, King, JT, MD, Knisely JP, Bi WL, BS; de Lotbiniere ACJ, **Chiang V**. Factors that Predict Survival After Radiosurgery for Cerebral Metastases. Oral presentation at the *International Leksell Gamma Knife Stereotactic Radiosurgery Meeting*, Seoul, Korea, May 2006.

Obruzut M, **Chiang VL**, Johnson MH. ER Imaging of Aneurysmal Subarachnoid Hemorrhage: Correlation of CT, CTA, with Catheter Angiography. First Prize Scientific Exhibit Award, *American Society of Emergency Radiology Post Graduate Course*, Montreal, Canada, September 2004.

Obruzut M, **Chiang VL**, Johnson MH. Non-Traumatic Intracranial Hemorrhage: ER Imaging, Triage, and Differential Diagnosis. *American Society of Emergency Radiology Post Graduate Course*, Montreal, Canada, September 2004.

DiLuna ML, Cohen-Gadol AA, Yang T, Nunes J and **Chiang VL**. Complications Associated with Discontinuation of Anticoagulation Therapy for Patients with Chronic Subdural Hematoma. Poster presentation *AANS Annual Meeting*, Orlando, Florida, May 2004.

Thaiyananthan G, Nunes J, **Chiang VL**, Johnson MH. Endovascular Treatment of Vertebrobasilar Aneurysms: The Yale Experience. Poster presentation *AANS Annual Meeting*, Orlando, Florida, May 2004.

Neurosurgical Procedures and ICU Coding. Oral presentation, Yale University. *Quarterly meeting of the American Academy of Professional Coders (North East Chapter)* Feb 2004

Nguyen-Huynh MN, **Chiang VL**, Brass LM, and Johnston SC. The burden of subdural hematoma in the United States. Poster presented at the *29th International Stroke Conference, American Stroke Association*, San Diego, California, February 2004.

Johnson M.H., **Chiang, VL.**, Gyarteng-Dakwa, K., Vaughn, D. Interventional Neuroradiology, Anesthesiology, and the Critical Care Environment: Optimizing

Diagnostic and Therapeutic Outcomes. Poster presentation *CV/ASITN Annual Meeting*, San Diego, California, Feb 2004.

Johnson, M.H., **Chiang, VL**. Carotid Injury in Head and Neck malignancies: Experience with stent placement for carotid preservation. Poster presentation *CV/ASITN – Annual Meeting*, San Diego, California Feb 2004.

Johnson MH, Aruny JE, **Chiang V**, Ross D, Gunel M, Sasaki C. Carotid Injury in Malignancies of the Head and Neck: Preliminary Experience with Covered Stents for Carotid Preservation. Poster presentation *American Society of Head & Neck Radiology*. Cleveland, Ohio, September 2002.

Agitation Management following Traumatic Brain Injury in the Acute Setting. Oral presentation Hospital for Special Care, *Harry-Gosling Symposium*, New Britain, CT, April 2002.

Billing for NeuroICU Care. Oral presentation Critical Care Course at the *Congress of Neurological Surgeons Conference*, San Diego, Sept 2001.

Ethical Issues and End-of-Life Decisions. Oral presentation Critical Care Course at the *Fifth Annual Joint Meeting of the American Association of Neurological Surgeons / Congress of Neurological Surgeons and the American Society of Interventional and Therapeutic Neuroradiology*, Hawaii, 2001.

Chiang VL, Gailloud P, Murphy KJ, Rigamonti D, Tamargo R. Routine Intraoperative Angiography for Aneurysms. Oral presentation *Fifth Annual Joint Meeting of the American Association of Neurological Surgeons / Congress of Neurological Surgeons and the American Society of Interventional and Therapeutic Neuroradiology*, Hawaii, 2001. (Abstract published in *J Neurosurgery*, Jan 2001 and meeting proceedings)

Ethical Issues and End-of-Life Decisions. Oral presentation Critical Care Course at the *Congress of Neurological Surgeons Conference*, San Antonio, Sept 2000.

Chiang VL, Awad IA. Outcome Prediction in Subarachnoid Haemorrhage. Oral presentation at the *New England Section meeting of the AANS*, New Haven, Sept 1999. Abstract published in meeting proceedings.

Chiang VL, Claus EB, Awad IA. Toward a More Rational Outcome Prediction in High Grade Patients with Subarachnoid Hemorrhage. Oral presentation at the *Congress of Neurological Surgeons Post-Meeting Satellite Convention*, Washington, 1998. Abstract published in *Convention Proceedings*, p.53.

Chiang VL, Castleden WM. Reversible Platelet Aggregates in the Blood of Smokers and Exsmokers with Peripheral Vascular Disease. Oral presentation at the *7th World Conference on Tobacco and Health*, Australia, 1988. Abstract published in *Conference Proceedings*, p.79.

PUBLICATIONS:

Redmond AJ, DiLuna ML, Hebert R, Moliterno J, Desai R, Knisely JPS, **Chiang VL**. Gamma Knife surgery for the treatment of melanoma metastases: the effect of intratumoral hemorrhage on survival. *Journal of Neurosurgery Special Supplements* Dec 2008, 109 (6): 99-105.

Diluna ML, King JT, Knisely JPS, **Chiang VL**. Prognostic factors for survival after stereotactic radiosurgery vary with the number of cerebral metastases. *Cancer* 2007 109(1):135-145.

Diluna ML, Johnson MH, Bi WL, **Chiang VL**, Duncan CC. Sterile ascites from a ventriculoperitoneal shunt: a case report and review of the literature. *Childs Nerv Syst*. 2006 Mar 16; [Epub ahead of print].

Johnson, M.H., **Chiang, V.**, Ross, D. Interventional Neuroradiology Adjuncts and Alternatives in Patients with Head and Neck Vascular Lesions. *Neurosurgery Clinics of North America*, 2005, (16): 547-560.

Chiang VL, Awad IA. *Mass Effect* in: Encyclopaedia of Neurological Sciences Eds Aminoff MJ and Daroff RB. Academic Press 2003.

Chiang VL, Gailloud P, Murphy KJ, Rigamonti D, Tamargo RJ. Routine Intraoperative Angiography during Aneurysm Surgery. *J Neurosurg*. 2002 Jun;96(6):988-92.

Chiang VL, Torbey M, Rigamonti D, Williams MA. Ventriculopleural Shunt Obstruction and Positive Pressure Ventilation. *J Neurosurg* 2001, 95:115-117.

Gary SC, Zerillo CA, **Chiang VL**, Gaw JU, Gray G, Hockfield S. cDNA cloning, chromosomal localization, and expression analysis of human BEHAB/brevican, a brain specific proteoglycan regulated during cortical development and in glioma. *Gene*. 2000 Oct 3;256(1-2):139-47.

Chiang VL, Claus EB, Awad I. Toward a more rational outcome prediction in subarachnoid haemorrhage. *Neurosurgery* 2000, 46(1):28-36.

Chiang VL, Awad IA. *Documenting and Billing for Critical Care in Neurovascular Surgery* in: AANS/CNS Cerebrovascular Section Newsletter Dec 2000.

Duncan CC, **Chiang V.** *Intraventricular Hemorrhage and Post-Hemorrhagic Hydrocephalus* in: Principles and Practice of Pediatric Neurosurgery. Albright et al.(ed), 1999. Thieme Med Pub, 1999.

Chiang VL, Awad I, Berenstein A, Scott M, Spetzler R, Alexander MJ. Case Problems. Neonatal galenic arteriovenous malformations. *Neurosurgery* 1999, 44(4):847-54.

Lockett L, **Chiang V**, Scully N. Primary Pulmonary Meningioma. Report of a Case and Review of the Literature. The American Journal of Surgical Pathology 1997, 21(4):453-460.

Chiang VL, Castleden WM, Leahy MF. Detection of reversible platelet aggregates in the blood of smokers and ex-smokers with peripheral vascular disease. Medical Journal of Australia 1992,156: 601-603