

CURRICULUM VITAE

Name: Abel Po-Hao Huang

Affiliation: National Taiwan University Hospital

Stanford Medical School

Speciality: Neurosurgeon,

Assistant Professor, Chief of Neuro-ICU, National
Taiwan University Hospital & College of
Medicine

Personal interest: Medical device innovation,
Entrepreneurship, Neurovascular surgery, Skull
base surgery, Minimally invasive neurosurgery

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EDUCATIONAL HISTORY

Doctor of Medicine (September 1996-June 2002),

Department of Medicine, College of Medicine National Taiwan University, Taipei, Taiwan

Fellowship (July 2005 - July 2006), Department of Neurological Surgery, Harvard Medical School & BWH, USA

Fellowship (July 2008 - July 2009), Department of Neurological Surgery, UCSF, USA

Fellowship (July 2014 - July 2015), Stanford Taiwan Biodesign program

NATIONAL/STATE BOARDS AND HEALTH OCCUPATION LICENSES

Medical licensure, 2002-present

General Surgeon licensure, 2007-present

Neurosurgeon licensure, 2009-present

Assistant Professor licensure, College of Medicine,
National Taiwan University, 2013- present

RESEARCH ARTICLE PUBLICATIONS

1: Huang AP, Tsai JC, Kuo LT, Lee CW, Lai HS, Tsai LK, Huang SJ, Chen CM, Chen YS, Chuang HY, Wintermark M. Clinical application of perfusion computed tomography in neurosurgery. *J Neurosurg.* 2014 Feb;120(2):473-88. doi:

10.3171/2013.10.JNS13103. Epub 2013 Nov 22.
Review. PubMed PMID: 24266541.

2: Huang AP, Chen CM, Lai HS, Chou CC, Lu DC, Kuo LT, Chuang HY, Tsai JC. The Posterior Transthecal Approach for Repair of Cauda Equina Fibers and Ventral Dural Laceration in Lumbar Burst Fracture: A Novel Surgical Technique. *Spine (Phila Pa 1976).* 2013 Jun 11. [Epub ahead of print] PubMed PMID: 23759808.

3: Kuo LT, Tsai SY, Chang CC, Kuo KT, Huang AP, Tsai JC, Tseng HM, Kuo MF, Tu YK. Genetic and epigenetic alterations in primary-progressive paired oligodendroglial

tumors. *PLoS One.* 2013 Jun 24;8(6):e67139. doi:

10.1371/ journal.pone.0067139.

Print 2013. PubMed PMID: 23826216; PubMed Central PMCID: PMC3691155.

4: Huang AP, Wu MZ, Kuo MF. Pediatric primary lymphoma of the pituitary stalk: a different disease entity from the adult form? J Formos Med Assoc. 2013 Mar;112(3):171-2. doi: 10.1016/ j.jfma. 2012.02.005. Epub 2012 May 8. PubMed PMID: 23473531.

5: Huang AP, Huang SJ, Hong WC, Chen CM, Kuo LT, Chen YS, Lu YJ, Chuang HY, Tu

YK, Tsai JC. Minimally invasive surgery for acute noncomplicated epidural hematoma: an innovative endoscopic-assisted method. J Trauma Acute Care Surg. 2012 Sep;73(3):774-7. PubMed PMID: 23007020.

6: Zada G, Tirosh A, Huang AP, Laws ER, Woodmansee WW. The postoperative cortisol stress response following transsphenoidal pituitary surgery: a potential screening method for assessing preserved pituitary function. Pituitary. 2012 Aug 23. [Epub ahead of print] PubMed PMID: 22915289.

7: Hsieh MS, Ho JT, Lin LW, Tu PH, Perry A, Huang AP. Cerebellar anaplastic pilocytic astrocytoma in a patient of neurofibromatosis type-1: case report and review of the literature. *Clin Neurol Neurosurg*. 2012 Sep;114(7):1027-9. doi: 10.1016/j.clineuro.2012.01.034. Epub 2012 Mar 6. PubMed PMID: 22397971.

8: Huang AP, Lee CW, Hsieh HJ, Yang CC, Tsai YH, Tsuang FY, Kuo LT, Chen YS, Tu YK, Huang SJ, Liu HM, Tsai JC. Early parenchymal contrast extravasation predicts subsequent hemorrhage progression, clinical deterioration, and need for surgery in patients with traumatic cerebral contusion. *J Trauma*. 2011 Dec; 71(6):1593-9. doi: 10.1097/TA.0b013e31822c8865. PubMed PMID: 22182869.

9: Tsuang FY, Huang AP, Tsai YH, Chen JY, Lee JE, Tu YK, Wang KC. Treatment of patients with traumatic subdural effusion and concomitant hydrocephalus. *J Neurosurg*. 2012 Mar;116(3): 558-65. doi: 10.3171/2011.10.JNS11711. Epub 2011 Dec 16. PubMed PMID: 22175725.

10: Huang AP, Chen YC, Hu CK, Lin TK, Huang SJ, Tu YK, Tsai YH. Intraoperative sonography for detection of contralateral acute epidural or subdural

hematoma after decompressive surgery. *J Trauma*. 2011 Jun;70(6):1578-9; author reply 1579. doi: 10.1097/TA.0b013e3182178c71. PubMed PMID: 21817999.

11: Chen CM, Huang AP, Kuo LT, Tu YK. Contemporary surgical outcome for skull base meningiomas. *Neurosurg Rev*. 2011 Jul; 34(3):281-96; discussion 296. doi: 10.1007/s10143-011-0321-x. Epub 2011 May 26. Review. PubMed PMID: 21614426.

12: Kuo LT, Chen CM, Li CH, Tsai JC, Chiu HC, Liu LC, Tu YK, Huang AP. Early endoscope- assisted hematoma evacuation in patients with supratentorial intracerebral hemorrhage: case selection, surgical technique, and long-term results. *Neurosurg Focus*. 2011 Apr;30(4):E9. doi: 10.3171/2011.2.FOCUS10313. PubMed PMID: 21456936.

13: Huang AP, Chen CL. Transciliary supraorbital approach. *Neurosurgery*. 2011 Jul;69(1):E261-3; author reply E263. doi: 10.1227/NEU.0b013e3182166019. PubMed PMID: 21415782.

14: Huang AP, Tu YK. Progressive PCA stenocclusive changes after revascularization for

moyamoya disease: a neglected phenomenon. *Neurosurgery*. 2010 Dec;67(6):E1865-6; author reply E1866. doi: 10.1227/NEU.0b013e3181f36022. PubMed PMID: 21107161.

15: Huang AP, Arora S, Wintermark M, Ko N, Tu YK, Lawton MT. Perfusion computed tomographic imaging and surgical selection with patients after poor-grade aneurysmal subarachnoid hemorrhage. *Neurosurgery*. 2010 Oct;67(4):964-74; discussion 975. doi: 10.1227/NEU.0b013e3181ee359c. PubMed PMID: 20881562.

16: Kuo LT, Huang AP, Yang CC, Tsai SY, Tu YK, Huang SJ. Clinical outcome of mild head injury with isolated oculomotor nerve palsy. *J Neurotrauma*. 2010 Nov;27(11):1959-64. doi: 10.1089/neu.2010.1407. PubMed PMID: 20799883.

17: Huang AP, Chen JS, Yang CC, Wang KC, Yang SH, Lai DM, Tu YK. Brain stem cavernous malformations. *J Clin Neurosci*. 2010 Jan;17(1):74-9. doi:10.1016/j.jocn.2009.06.009. Epub 2009 Dec 14. PubMed PMID: 20005720.

18: Huang AP, Liu HM, Lai DM, Yang CC, Tsai YH, Wang KC, Yang SH, Kuo MF, Tu YK. Clinical significance of posterior circulation changes after revascularization in patients with moyamoya disease.

Cerebrovasc Dis. 2009;28(3):247-57. doi: 10.1159/000228254. Epub 2009 Jul 14. PubMed PMID: 19602876.

19: Huang AP, Tu YK, Tsai YH, Chen YS, Hong WC, Yang CC, Kuo LT, Su IC, Huang SH, Huang SJ. Decompressive craniectomy as the primary surgical intervention for hemorrhagic contusion. J Neurotrauma. 2008 Nov;25(11):1347-54. doi:10.1089/neu.2008.0625. PubMed PMID: 19061378.

20: Huang AP, Yang SH, Yang CC, Kuo MF, Wu MZ, Tu YK. Malignant prolactinoma with craniospinal metastasis in a 12-year-old boy. J Neurooncol. 2008 Oct;90(1):41-6. doi: 10.1007/s11060-008-9626-1. Epub 2008 Jul 12. PubMed PMID: 18622581.

21: Kuo LT, Huang AP, Kuo KT, Tseng HM. Extradural dumbbell schwannoma of the hypoglossal nerve: a case report with review of the literature. Surg Neurol. 2008 Dec;70 Suppl 1:S1:34-8; discussion S1:38-9. doi: 10.1016/j.surneu.2007.11.023. Epub 2008 Apr 18. PubMed PMID: 18423539.

22. Chen CM, Lin PY, Chen YC, Jin Y, Huang AP, Lin SH, Hsing MT, Cheng YP, Cheng CY, Lin CT. Effects of teriparatide on lung function and pain relief in women with multiple osteoporotic vertebral

compression fractures. *Surg Neurol Int.* 2014 Aug 28;5(Suppl 7):S339-42. doi: 10.4103/2152-7806.139653. eCollection 2014. PubMed PMID: 25289156; PubMed Central PMCID: PMC4173302.

23. Cheng YP, Lee KW, Lin PY, Huang AP, Cheng CY, Ma HI, Chen CM, Hueng DY. Full-endoscopic interlaminar removal of chronic lumbar epidural hematoma after spinal manipulation. *Surg Neurol Int.* 2014 Apr 19;5:55. doi:

10.4103/2152-7806.131106. eCollection 2014. PubMed PMID: 24872917; PubMed Central PMCID: PMC4033759.

24. Cheng YP, Lin PY, Huang AP, Cheng CY, Chen CM, Hueng DY. Durotomy repair in minimally invasive transforaminal lumbar interbody fusion by nonpenetrating clips. *Surg Neurol Int.* 2014 Mar 20;5:36. doi: 10.4103/2152-7806.129161. eCollection 2014.

PubMed PMID: 24818043; PubMed Central PMCID: PMC4014817.

25. Hsiao CY, Huang AP. Cervical necrotising fasciitis with descending mediastinitis. *Emerg Med J.* 2013 Dec

6. doi: 10.1136/ emermed 2013-203313. [Epub ahead of print] PubMed PMID: 24317289.

TEXTBOOK CHAPTER PUBLICATIONS

1. Principles and Practice of Hospital Medicine; Ch63. Common Neurosurgical Conditions. McGraw-Hill/ Medical 2012, 1st edition.

2. Al-Mefty's Meningiomas, Ch 44: Outcomes and Quality of Life after Surgery for Meningiomas. Thieme Medical Publishers 2011, 2nd edition.

CHRONOLOGICAL LISTING OF WORK

EXPERIENCE Internship

National Taiwan University Hospital (July 2002-June 2003) **Residency**

Department of Surgery, National Taiwan University Hospital

(July 2003-June 2004)

Division of Neurosurgery, Department of Surgery, National Taiwan University Hospital (July 2004-June 2009)

Teaching Chief Resident

Department of Surgery, National Taiwan University
Hospital (July

2007-June 2008)

Fellowship

Fellowship at the Department of Neurological Surgery,
Brigham and Women's Hospital and Harvard Medical
School (July 2005 - July 2006) Sponsored by World
Federation of Neurological Surgeons (WFNS)

Clinical Fellowship at the Department of Neurological
Surgery, University of California San Francisco
(UCSF) (July 2008 - July 2009) Sponsored by
Taiwanese Government

Stanford Taiwan Biodesign Fellowship (July 2014-
July 2015), Sponsored by Stanford and Taiwanese
Government

Attending Neurosurgeon

Division of Neurosurgery, Department of Surgery,
National Taiwan University Hospital

(July 2009-present)

Chief of Neuro-intensive Care Units

Division of Neurosurgery, Department of Surgery,
National Taiwan University Hospital

(July 2013-present)

Assistant Professor

College of Medicine, National Taiwan University
(September 2010-present)