

Curriculum Vitae

Name: ZHANG HongQi
Nationality: The People's Republic of China
Gender: Male
Position: Chairman of Neurosurgery Department, Xuanwu Hospital, Capital Medical University

Education Experience

Sep, 2006-Dec, 2006

Visiting Scholar in Interventional Neuroradiology (Prof. F. Vinuela) and Neurosurgery (Prof. N. Martin) division in UCLA.

Sep, 2000-Aug, 2003

Post-graduate, Ph.D., M.D., Neurosurgery, Pekin Union Medical College.

Apr, 2001-Jun, 2001

Visiting Scholar in Interventional Neuroradiology Department of Methodist Hospital (Prof. M. Mawad), Neurosurgical Department of Arkansa Medical University (Prof. G. Yasargil, Prof. Al Melfty), Interventional Neuroradiology Department in New York (Prof. A. Bernstein)

Mar, 1998-Sep, 1998

Visiting fellow on microsurgery and clinical neuro-anatomy, in Dept. of Neurosurgery of Medical University Vienna, Austria (Prof. W. Koos and Prof. B. Richling).

Sep, 1996-Jan, 1997

Visiting fellow in Research on embolic material (Onyx) for interventional neuroradiology in Cr2I, France (Prof. JJ. Merland and Dr. Alex. Laurent.)

Sep, 1996-Aug, 1999

Post-graduate, M.A., Neurosurgery, Institute of Gerontology, Ministry of Health

Sep, 1994-Dec, 1994

Studying anatomy of central nerve system in Beijing Medical University.

Sep, 1988-Aug, 1993

Bachelor, Beijing Medical University.

Working Experience

Apr, 2015 – Now

Chairman of Dept. of Neurosurgery, Xuanwu Hospital, Capital Medical University (CMU)

Nov, 2008—Now

Professor and Chief doctor in Dept. of Neurosurgery, Xuanwu Hospital (CMU)

Sep, 2004 – Oct, 2008

Associate chief doctor in Dept. of Neurosurgery, Xuanwu Hospital (CMU).

Sep, 2000 – Sep, 2004

Attending doctor in Dept. of Neurosurgery, Xuanwu Hospital, CMU

Aug, 1999-Sep, 2000

Attending Doctor in Dept. of Neurosurgery, Beijing Hospital.

Aug, 1993-Jul,1999

Resident in Beijing Hospital, BMU. Training in General surgery (6 months), Orthopedics

(3 months), emergency surgery (6 months), Neurology (6 months), Neuroradiology (3 months), Neurosurgery (4 years).

Working Abilities

Focus on vascular diseases in Brain and Spinal cord.

Master the skill of microneurosurgery and interventional neuroradiology.

Academic Positions:

- 1999- Senior Member, World Federation of Interventional and Therapeutic Neuroradiology (WFITN).
- 1996- Member, Academic Committee of Chinese Association of Neurosurgery
- 2000- Executive committee member, Asia-Australasian Federation of Interventional and Therapeutic Neuroradiology (AAFITN).
- 2003- Editor, Chinese Journal of Cerebrovascular Diseases.
- 1997- Executive Council Member of the China Branch of International Paraplegia Society and Deputy Chief-Editor of China Spinal and Vertebrate Studies.
- 2000- 2004 Executive Committee Member, Asian Society of Young Neurosurgeons.
- 2005- Vice Chairman of Endovascular surgery Committee, Chinese Association of Neurosurgery.
- 2005- Executive Committee Member, Cerebrovascular Diseases Committee of Chinese Medical Doctor Association.
- 2008-2010 General secretary, Asia-Australasian Federation of Interventional and Therapeutic Neuroradiology (AAFITN).
- 2015- Member-at-Large, World Federation of Interventional and Therapeutic Neuroradiology (WFITN)
- 2017- President, Chinese Federation of Interventional Clinical Neurosciences (CFITN)
- 2017- Executive Committee Member, Neurosurgery society of Chinese Medical Association (CMA)
- 2017- Executive Committee Member, Neurosurgery society of Chinese Medical Doctor Association (CMDA)

Awards: (First author and participant)

1. Major Contributions to Medical Science and Technology Progress, Third Award issued by the Ministry of Health, No. 95300901 for “Classification of Spinal AVM and Its Treatment Indication”, 1995.
2. Major Achievement of State Key Project Award, the 8th Five-Year Plan, jointly granted by the State Planning Commission, the State Science and Technology Commission and the Treasury Ministry for “Practical Study on New Methods of Stroke CT-Guided Hematoma Vacuum and Endovascular Operation”, 1996.
3. Third Award, Major Contributions to Medical Science and Technology Progress for “The Practical Study of New Methods for Hemorrhagic and Ischemia Vascular Operation”, issued by the Ministry of Health, No. 97300303, 1997.
4. Beijing Municipal Science and Technology Progress Second Award issued by Beijing Science and Technology Commission, for “New Surgical Approaches to Hemorrhagic and

- Ischemia Vascular Diseases”, 1997.
5. Second Award, Science and Technology Progress for “Study on Hemodynamics of Cerebral AVM” issued by the State Education Commission, 1998.
 6. State Science and Technology Key Project Achievement Award, No. 980595 granted by the State Commission of Science and Technology, PRC for “Research on New Surgical Methods for Hemorrhagic and Ischemia Vascular Diseases”, 1998.
 7. Second Award for “Studies on Endovascular Treatment of Cerebral AVM and its Angioarchitecture”, by the Ministry of Education, 1999
 8. Second Award, Science and Technology Progress for “Studies on Spine and Spinal Cord Embolization and Operation” by Beijing Municipal Government, 1999.
 9. Excellent Thesis of “Research on the spinal vascular development and its clinical correlation” issued by the 4th National Congress of Interventional Neuroradiology, 1999
 10. First Excellent Thesis of “Anatomy Research on the spinal vascular embryonic development” issued by Chinese Science and Technology Association, 2003
 11. “Excellent Post-graduated Student”, Pekin Union College, 2003.
 12. “New Star of Science and Technology” issued by Beijing Municipal Government, 2004-2007.

Publications (in English Journals)

1. **Hong-Qi Zhang**, Tong Chen, Shao-Shuai Wu, Liang-Hong Teng, Yong-Zhong Li, Li-Yong Sun, Zhi-Ping Zhang, De-Yu Guo, De-Hong Lu and Feng Ling. The pathophysiology of venous hypertensive myelopathy—study of an animal model Laboratory investigation. *J Neurosurg Spine* 19:485–491, 2013
2. Hu P, **Zhang HQ**, Li GL, He C, Bian LS, Zhi XL, Ling F. A trapping-evacuation technique for giant carotid-ophthalmic segment aneurysm clipping in a hybrid operating theater. *J Clin Neurosci*. 2015 Jul;22(7):1184-7. IF(2013):1.318
3. Peng Hu, Yi Qian, Chong-Joon Lee, **Hong-Qi Zhang**, Feng Ling. The energy loss may predict rupture risks of anterior communicating aneurysms: a preliminary result. *Int J Clin Exp Med*. IF(2013):1.422
4. Peng Hu, Qi Yang, Dan-Dan Wang, Shao-Chen Guan, **Hong-Qi Zhang**. Wall enhancement on high-resolution magnetic resonance imaging may predict an unsteady state of an intracranial saccular aneurysm, *Neuroradiology*, Publish online: 20 July 2016
5. Chen S, Ma Y, Liang P, Wang X, Peng C, Bian L, & Liu JDJZ. Hyperbaric oxygen therapy for postoperative spinal dural arterio-venous fistula patients. *Medicine* 2016; 95: e4555. IF:2.133
6. Long J, Qin H & **Zhang H**. Evaluation of recanalisation treatment on posterior circulation ischemic stroke by Solitaire device—A multicenter retrospective study. *Neurologia i Neurochirurgia Polska* 2017; 51: 208-213. IF:0.747
7. Hong T, Park JE, Ling F, TerBrugge KG, Tymianski M, **Zhang HQ**, & Krings T. Comparison of 3 Different Types of Spinal Arteriovenous Shunts below the Conus in Clinical Presentation, Radiologic Findings, and Outcomes. *American Journal of Neuroradiology* 2017; 38: 403-409. IF:3.124
8. Yu J, Liu J, He C, Sun L, Xiang S, Ma Y, Bian L, Hong T, Ren J, Tao P, Li J, Li G, Ling F, & **Zhang H**. *World Neurosurgery* 2017; 98: 546-554. IF:2.685
9. Yu J, Hong T, Ma Y, Ling F, & **Zhang H**. A New Type of Spinal Epidural Arteriovenous Fistulas Causes Spinal Epidural Hemorrhage: An Analysis of Five Cases and Natural History

Consideration. *World Neurosurgery* 2017; 103: 371-379.IF:2.685

10. Ren J, Zeng G, Ma Y, Chen N, Chen Z, Ling F, & **Zhang H**. Pediatric thoracic SCIWORA after back bend during dance practice: a retrospective case series and analysis of trauma mechanisms. *Child's Nervous System* 2017.IF:1.080
11. Liang, Jiantao; Bao, Yuhai; **Zhang, Hongqi**; Wrede, Karsten Henning; Zhi, Xinglong; Li, Meng; Ling, Feng, The clinical features and treatment of pediatric intracranial aneurysm, *Childs Nervous System*, 25(3), pp 317-324, 2009/3/3.
12. Du, Jianxin; Ling, Feng; Chen, Ming; **Zhang, Hongqi**, Clinical characteristic of spinal vascular malformation in pediatric patients, *Childs Nervous System*, 25(4), pp 473-478, 2009/4/4.
13. Yabing Wang, **Hongqi Zhang**, Feng Ling. Coexistence of a single cerebral arteriovenous malformation and spinal arteriovenous malformation. *Neurology India*,2009,57(6):785-790.
14. Xiaoli Meng . **Hongqi Zhang** . Yabing Wang . Ming Ye. Chuan He . Jianxin Du . Feng Ling. Perimedullary arteriovenous fistulas in pediatric patients:clinical, angiographical, and therapeutic experiences in a series of 19 cases. *Childs Nerv Syst*, Springer, 2010.
15. Xiaoli Meng .**Hongqi Zhang**. Yanfei Chen. Feng Ling. Traumatic spinal perimedullary arteriovenous fistula: a case report. *Acta Neurochir*, Springer, 2010.
16. Ma yan; Li meng; **Zhang hongqi**, A 10-year follow-up of extracranial-intracranial bypass for the treatment of bilateral giant internal carotid artery aneurysms in a patient with fibromuscular dysplasia: case report., *Acta Neurochir (Wien)*, 152(12), pp 2191-2195, 2010/12/1.
17. Xu, Yueqiao; Wang, Yabing; Bao, Yuhai; **Zhang, Hongqi**; Ling, Feng, Xe-CT and transcranial Doppler in symptomatic vasospasm subarachnoid hemorrhage patients under euvolemic treatment without sedation, *Neurology India*, 58(3), pp 407-411, 2010/6/MAY-JUN.
18. Peng Gao .**Hongqi Zhang**. Feng Ling. Angiogenic and inflammatory factor expressions in cutaneomeningospinal angiomatosis (Cobb's syndrome): case report. *Acta Neurochir*, Springer, 2011,153:1657-1661.
19. Liang, Jian-tao; Bao, Yu-hai; **Zhang, Hong-qi**; Huo, Li-rong; Wang, Zhen-yu; *Ling, Feng, Management and prognosis of symptomatic patients with intramedullary spinal cord cavernoma Clinical article, *JOURNAL OF NEUROSURGERY-SPINE*, 15(4), pp 447-456, 2011/10.
20. Liang, Jian-tao; Huo, Li-rong; Bao, Yu-hai; **Zhang, Hong-qi**; *Wang, Zhen-yu; Ling, Feng, Intracranial aneurysms in adolescents, *CHILDS NERVOUS SYSTEM*, 27(7), pp 1101-1107, 2011/7.
21. Sun, Liyong; Li, Meng; **Zhang, Hongqi**; Du, Jianxin; *Ling, Feng, Trapping with high-flow bypass for a traumatic giant pseudoaneurysm of the supraclinoid carotid artery in an adolescent: case report, *CHILDS NERVOUS SYSTEM*, 27(4), pp 681-684, 2011/4.
22. HE Fu-liang, **ZHANG Hong-qi**, GU Yong-quan, LI Xue-feng LI Jian-xin and ZHANG Jian. Treatment of cerebral aneurysms associated with Takayasu arteritis. *Chinese Medical Journal* 2013;126 (3).
23. Bai, Yahui; Zhi, Xinglong; Jian, Fengzeng; **Zhang, Hongqi**; *Ling, Feng, Traumatic spinal perimedullary arteriovenous fistula due to knife stabbing and subsequent kyphosis Case report, *JOURNAL OF NEUROSURGERY-SPINE*, 19(2), pp 222-225, 2013/8.
24. Cai, J.; He, C.; Chen, L.; Han, T.; Huang, S.; Huang, Y.; Bai, Y.; Bao, Y.; **Zhang, H.**; *Ling, F., Melatonin mitigate cerebral vasospasm after experimental subarachnoid hemorrhage: a study of synchrotron radiation angiography, *JOURNAL OF INSTRUMENTATION*, 8 卷, 2013/6
25. Gao, Peng; Chen, Yanfei; **Zhang, Hongqi**; Zhang, Peng; *Ling, Feng, Vertebral Arteriovenous

Fistulae (AVF) in Neurofibromatosis Type 1: A Report of Two Cases, *TURKISH NEUROSURGERY*, 23(2), pp 289-293, 2013/3.

26. Gao, Peng; Ye, Ming; Ma, Yan; Chen, Yanfei; Jian, Fengzeng; **Zhang, Hongqi**; *Ling, Feng, Anterior retropharyngeal approach for ventral perimedullary arteriovenous fistula (PMAVF) in upper cervical spine: Preliminary report, *CLINICAL NEUROLOGY AND NEUROSURGERY*, 115(2), pp 210-214, 2013/2.
27. Zhu, Yue-Qi; *Li, Ming-Hua; Lin, Feng; Song, Dong-Lei; Tan, Hua-Qiao; Gu, Bin-Xian; **Zhang, Hong-Qi**; Leng, Bin; Zhang, Pei-Lei, Frequency and predictors of endoleaks and long-term patency after covered stent placement for the treatment of intracranial aneurysms: a prospective, non-randomised multicentre experience, *EUROPEAN RADIOLOGY*, 23(1), pp 287-297, 2013/1.
28. Mao, Zhiqi; Wang, Ning; Hussain, Mohammed; Li, Meng; **Zhang, Hongqi**; Zhang, Qihang; Zhang, Peng; Zhi, Xinglong; *Ling, Feng, Traumatic intracranial aneurysms due to blunt brain injury-a single center experience, *ACTA NEUROCHIRURGICA*, 154(12), pp 2187-2193, 2012/12.
29. Bai, Yahui; He, Chuan; **Zhang, Hongqi**; *Ling, Feng, De novo multiple dural arteriovenous fistulas and arteriovenous malformation after embolization of cerebral arteriovenous fistula: case report, *CHILDS NERVOUS SYSTEM*, 28(11), pp 1981-1983, 2012/11.
30. Mao, Zhiqi; Li, Meng; Ma, Yan; Chen, Yanfei; **Zhang, Hongqi**; *Ling, Feng, Common features in patients with intracerebral hemorrhage following superficial temporal artery-middle cerebral artery bypass in steno-occlusive cerebrovascular disease, *Neural Regeneration Research*, 7(20), pp 1585-1590, 2012/7.
31. He Fu-liang; **Zhang Hong-qi**; Gu Yong-quan; Li Xue-feng; Li Jian-xin; *Zhang Jian, Treatment of cerebral aneurysms associated with Takayasu arteritis, *CHINESE MEDICAL JOURNAL*, 126(3), pp 597-599, 2013/2/5.
32. Meng, Xiaoli; **Zhang, Hongqi**; Chen, Yanfei; Ling, Feng, Traumatic spinal perimedullary arteriovenous fistula: a case report, *Acta Neurochirurgica*, 152(8), pp 1407-1410, 2010/8/8.
33. **Wang Yabing, Zhang Hongqi, et al.,** Coexistence of a single cerebral arteriovenous malformation and spinal arteriovenous malformation, *Neurol India*, 57(6), pp 785-788, 2009/11/1.
34. Gao, Peng; **Zhang, Hongqi**; *Ling, Feng, Angiogenic and inflammatory factor expressions in cutaneomeningospinal angiomatosis (Cobb's syndrome): case report, *ACTA NEUROCHIRURGICA*, 153(8), pp 1657-1661, 2011/8.
35. Meng, Xiaoli; **Zhang, Hongqi**; Wang, Yabing; Ye, Ming; He, Chuan; Du, Jianxin; Ling, Feng, Perimedullary arteriovenous fistulas in pediatric patients: clinical, angiographical, and therapeutic experiences in a series of 19 cases, *Childs Nervous System*, 26(7), pp 889-896, 2010/7/7.