

# CURRICULUM VITAE

## PERSONAL INFORMATION

**NAME:** Jin Pyeong Jeon (全進平), M.D.

**Date of Birth:** October 20, 1978



**ADDRESS:** Department of Neurosurgery, Chuncheon Sacred Heart Hospital

Vascular and Endovascular Neurosurgery, Neurointensive care.

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## BOARD CERTIFICATIONS

Medical Doctor of Korean Medical Association, March 1, 2003

Korean Board of Neurological Surgery, March 1, 2008

The Board of Critical care, May, 2014

Certification of Endovascular Neurosurgery, September, 2015

## ACADEMIC EDUCATION AND TRAINING

2003.3-2004.2 Internship, Chuncheon Sacred Heart Hospital, Chuncheon, Korea.

2004.3-2008.2 Residency, Department of Neurosurgery, Chuncheon Sacred Heart Hospital, Chuncheon, Korea.

2011.5-2012.2 Clinical fellowship, Cerebrovascular surgery and endovascular surgery, Department of

Neurosurgery, Chuncheon Sacred Heart Hospital, Chuncheon, Korea.

2012.3-2014.2 Clinical fellowship, Cerebrovascular surgery, Department of Neurosurgery, Seoul National University Hospital, Seoul, Korea.

2013.3-2013.8 Clinical fellowship, Intensive care, Anesthesiology and Pain Medicine Seoul National University Hospital, Seoul, Korea.

2012.9-2014.2 Master's degree, Hallym University College of Medicine, Chuncheon, Korea.

2014.3-2015.2 Clinical fellowship, Endovascular surgery, Department of Radiology, Seoul National University Hospital, Seoul, Korea.

2015.3-2020.2 Assistant professor, Department of Neurosurgery, Hallym University College of Medicine, Chuncheon, Korea.

2016.9- 2019.2 Doctor's degree, Gangwon University College of Medicine, Chuncheon, Korea.

2017.6-present Research professor, Institute of New Frontier Stroke Research, Chuncheon, Korea.

2019.3-present Chief Executive Officer, Genetic and Research Inc., Chuncheon, Korea.

2020.3-present Associate professor, Department of Neurosurgery, Hallym University College of Medicine, Chuncheon, Korea.

## **PRESENT ACADEMIC RANK AND POSITION**

Member of Korean Cerebrovascular Surgery Society

Member of Korean Neurointerventional Surgery Society

Member of Korean Critical Care Society

## **HONORS AND AWARD**

1. The Award for Medical Scholar for the Korean Neurosurgical Society (Vascular), 2014.
2. Nominees for the annual Lucien Levy Best Research Article 2016, American Journal of Neuroradiology: Fate of Coiled Aneurysms with Minor Recanalization at 6 Months: Rate of Progression to Further Recanalization and Related Risk Factors

3. Nominees for the annual Lucien Levy Best Research Article 2017, American Journal of Neuroradiology: Risk factor analysis of recanalization timing in coiled aneurysms: early versus late recanalization.
4. The Award for Medical Scholar for the Korean Neurosurgical Society (Basic Research), 2019.
5. The Award for Excellent Abstract of the Korean Society of Critical Care Medicine, 2020.
6. The Award for Excellent Abstract of the Korean Society of Critical Care Medicine, 2021.
7. The Award for Excellent Abstract of the Korean Society of Critical Care Medicine, 2022.

## **GRANT SUPPORT**

1. Hallym University Research Fund (HURF-2015-15), April 2015. A Novel Association between Lysyl oxidase (LOX) Gene Polymorphisms and Intracranial Aneurysm in the Korean Population.
2. Korean Society of Interventional Neuroradiology, September, 2015: Prediction of prolonged hemodynamic instability during carotid angioplasty and stenting.
3. Hallym University Research Fund (HURF-2015-52), September 2015: Correlation of optic nerve sheath diameter with directly measured intracranial pressure in Korean adults using bedside ultrasonography.
4. Korean Society of Interventional Neuroradiology, September, 2016: Endovascular intervention for medically refractory vasospasm in Fisher Grade III subarachnoid hemorrhage.
5. The National Research Foundation of Korea(NRF) funded by the Ministry of Science, ICT & Future Planning (2017R1C1B5016678), April 2017: Association of SOX17 gene polymorphisms with intracranial aneurysm in a Korean population.
6. The National Research Foundation of Korea(NRF) funded by the Ministry of Science, ICT & Future Plannig (2017M3A9E8033223), May 2017: Multiple risk assessment of intracranial aneurysm using protein coding variants and non-genetic factor in a Korean population.
7. Hallym University Research Fund (HURF-2017-54), November 2017: Endovascular treatment

for acute M2 occlusion: A case-control study and meta-analysis.

8. Hallym University Research Fund (HURF-2018-23), May 2018: Association between expression of alpha 1 subunit intensity in the Haptoglobin 2-1 phenotype and cerebral salt wasting syndrome in aneurysmal subarachnoid hemorrhage.
9. The Korea Technology and Information Promotion Agency for SMEs (S-2693922), March 2019: Machine Learning Application for Rupture Risk Assessment in Intracranial Aneurysm.
10. The National IT Industry Promotion Agency (R-20190315-004075), May 2019: Intelligent reading system for future stroke risk assessment using genetics and artificial intelligence.
11. Hallym University Research Fund (HURF-2019-22), May 2019: High risk of rupture of intracranial aneurysm using artificial intelligence.
12. Samjinpharm, Oct 2019. Development of stroke-associated dementia in rat and analysis of cognitive dysfunction.
13. Hallym University Research Fund (HURF-2020-24), May 2020: Association of haptoglobin phenotype and neurologic outcomes in patients with hemorrhage stroke.
14. The Korea Technology and Information Promotion Agency for SMEs (S-2924458), March 2020: Artificial Intelligence for the prediction of aneurysm rupture.
15. The National Research Foundation of Korea(NRF) funded by the Ministry of Education (2020R111A3070726), June 2020: Development of a novel regulation of mitophagy for brain injury following subarachnoid hemorrhage and nanotechnology inspired mitochondrial therapy.
16. The National Research Foundation of Korea(NRF) funded by Ministry of Health and Welfare (HF20C0147), August 2020: The effect of the adjunctive traditional Korean medicine treatment on the polypharmacy in the elderly patients with cerebrovascular disease.

17. Korea Health Technology R&D Project through the Korea Health Industry Development Institute (KHIDI), funded by the Ministry of Health & Welfare, Republic of Korea (grant number: HR21C0198): Genome and AI-based patient-tailored new treatment development and management technology development.
18. R&D Program for Forest Science Technology (Project No: 2021397D00-2123-0107) provided by Korea Forest Service (Korea Forestry Promotion Institute): Identification of pathophysiological mechanisms of stroke recovery effect of forest healing through basic-clinical translational research.
19. Continue to commercialize cross-ministerial technology Korea Industrial Technology funded by Promotion Agency: Advancement of carotid artery ultrasound AI system and commercialization at home and abroad.
20. Hallym University Research Fund (HURF-2021-28), 2021: Association between HMGB1 and Intracranial Aneurysm using genome-wide association study.

## **PATENT**

**Domestic:** Patent application: 55 / Patent registration: 22

**International:** Patent application PCT: 2 / China: 2

## **PUBLICATIONS**

### **SCI (E): First or corresponding authors**

1. **Jeon JS**, Sheen SH, Hwang GJ, et al. Intravenous magnesium infusion for the prevention of symptomatic cerebral vasospasm after aneurysmal subarachnoid hemorrhage. *Journal of Korean Neurosurgical Society*. 2012;52:75-79.
2. **Jeon JS**, Kim JE. The present and future roles of 7tesla mri in cerebrovascular diseases. *Neurosurgery*. 2013;73:N20-22.

3. **Jeon JS**, Sheen SH, Hwang GJ, et al. Feasibility of intravenous flat panel detector ct angiography for intracranial arterial stenosis. *AJNR. American journal of neuroradiology*. 2013;34:129-134.
4. **Jeon JS**, Sheen SH, Kim HC. Intravenous flat-detector computed tomography angiography for high-grade carotid stenosis. *Journal of computer assisted tomography*. 2013;37:242-246.
5. **Jeon JS**, Lee SH, Son YJ, et al. Dissecting aneurysm of vertebral artery manifesting as contralateral abducens nerve palsy. *Journal of Korean Neurosurgical Society*. 2013;53:194-196.
6. **Jeon JS**, Lee SH, Son YJ, et al. Slowly recovering isolated bilateral abducens nerve palsy after embolization of ruptured anterior communicating artery aneurysm. *Journal of Korean Neurosurgical Society*. 2013;53:112-114.
7. **Jeon JS**, Lee SH, Son YJ, et al. Mobile computed tomography : Three year clinical experience in korea. *Journal of Korean Neurosurgical Society*. 2013;53:39-42.
8. **Jeon JS**, Sheen SH, Hwang GJ. Hemodynamic instability during carotid angioplasty and stenting-relationship of calcified plaque and its characteristics. *Yonsei medical journal*. 2013;54:295-300.
9. **Jeon JP**, Kim JE. NMR-Based Metabolomics Analysis of Leptomeningeal Carcinomatosis. *Neurosurgery*. 2014;75(4):N12-3.
10. **Jeon JS**, Ahn JH, Huh W, et al. A retrospective analysis on the natural history of incidental small paraclinoid unruptured aneurysm. *Journal of neurology, neurosurgery, and psychiatry*. 2014;85(3):289-94.
11. **Jeon JS**, Ahn JH, Moon YJ, et al. Expression of cellular retinoic acid-binding protein-I (CRABP-I) in the cerebrospinal fluid of adult onset moyamoya disease and its association with clinical presentation and postoperative haemodynamic change. *Journal of neurology, neurosurgery, and psychiatry*. 2014;85(7):726-31.
12. **Jeon JS**, Kim JE, Chung YS, et al. A risk factor analysis of prospective symptomatic haemorrhage in adult patients with cerebral cavernous malformation. *Journal of neurology, neurosurgery, and psychiatry*. 2014. 85(12):1366-70.

13. **Jeon JP**, Sheen SH, Cho YJ. Intravenous flat-detector computed tomography angiography for symptomatic cerebral vasospasm following aneurysmal subarachnoid hemorrhage. *The scientific world journal*. 2014;315960.
14. Lee SC, **Jeon JS**, Kim JE, et al. Contralateral progression and its risk factor in surgically treated unilateral adult moyamoya disease with a review of pertinent literature. *Acta neurochirurgica*. 2014;156(1):103-111.
15. Kim JE, **Jeon JS**. An update on the diagnosis and treatment of adult Moyamoya disease taking into consideration controversial issues. *Neurological research*. 2014;36(5):407-16.
16. **Jeon JS**, Sheen SH, Kim HC. Re-endovascular recanalization for acute middle cerebral artery reocclusion after surgical embolectomy. *Journal of neurointerventional surgery*. 2014;6(3):e24
17. **Jeon JP**, Cho WS, Kang HS, et al. Preliminary results of elevated cellular retinoic acid binding protein-I in cerebrospinal fluid of patients with cerebrovascular diseases. *Journal of Korean Neurosurgical Society*. 2015;57(2):88-93.
18. **Jeon JP**, Yun TH, Xing Jin, et al. 1H-NMR based metabolomic analysis of cerebrospinal fluid from adult bilateral moyamoya disease: comparison to unilateral moyamoya disease and atherosclerotic stenosis. *Medicine*. 2015; 94 (17): e 629.
19. **Jeon JP**, Cho YD, Kim CH, et al. Complex spinal arteriovenous fistula of the craniocervical junction with pial and dural shunts combined with contralateral dural arteriovenous fistula. *Interventional Neuroradiology*. 2015; 21(6): 733-737.
20. **Jeon JP**, Kim JE, Ahn JH, et al. Long-term treatment outcome of venous predominant arteriovenous malformation. *Journal of Neurosurgery*. 2016; 124 (4):1100-1106.
21. **Jeon JP**, Cho YD, Han MH. Intra-arterial thrombolysis of central retinal artery occlusion following percutaneous atrial septal defect closure. *Catheter Cardiovasc Inter*. 2016; 88(1): 157-160.

22. **Jeon JP**, Cho YD, Rhim JK, et al. Effect of stenting on progressive occlusion of small unruptured saccular intracranial aneurysms with residual sac immediately after coil embolization: a propensity-score analysis. *Journal of Neurointerventional Surgery*. 2016;8(10):1025-1029.
23. **Jeon JP**, Cho YD, Rhim JK, et al. Do Contrast-Fill Patterns Immediately After Coil Embolization of Small Saccular Aneurysms Impact Long-Term Results? *Clinical Neuroradiology*. 2017;27(2):205-211.
24. **Jeon JP**, Cho YD, Rhim JK, et al. Extended monitoring of coiled aneurysms completely occluded at 6-month follow-up: late recanalization rate and related risk factors. *European Radiology*. 2016;26(10):3319-3326.
25. **Jeon JP**, Cho YD, Rhim JK, et al. Fate of coiled aneurysms with minor recanalization at 6 months: rate of progression to further recanalization and related risk factors. *AJNR. American journal of neuroradiology*. 2016;37 (8):1490-1495.
26. **Jeon JP**, Cho YD, Rhim JK, et al. Stent-Assisted Coil Embolization of Vertebrobasilar Dissecting Aneurysms: Procedural Outcomes and Factors for Recanalization. *Korean Journal of radiology*. 2016;17(5):801-810.
27. **Jeon JP**, Kim JE. A recent update of clinical and research topics concerning adult moyamoya disease. *Journal of Korean Neurosurgical Society*. 2016;59(6):537-543.
28. Le SU, **Jeon JP**, Lee H, et al. Optic nerve sheath diameter threshold by ocular ultrasonography for detection of increased intracranial pressure in Korean adult patients with brain lesions. *Medicine*. 2016; 95 (41): e5061.
29. **Jeon JP**, Kim JE, Cho WS, et al. Meta-analysis of the surgical outcomes of symptomatic Moyamoya disease in adults. *Journal of Neurosurgery*. 2018. 128 (3): 793-799.
30. **Jeon JP**, Cho YD, Yoo DH, et al. Risk factor analysis of recanalization timing in coiled aneurysms: early versus late recanalization. *AJNR. American journal of neuroradiology*. 2017; 38 (9): 1765-1770.
31. Hong EP, **Jeon JP**, Kim S, et al. A Novel Association between Lysyl Oxidase (LOX) Gene



- Polymorphisms and Intracranial Aneurysm in the Korean population. *Yonsei medical journal*. 2017; 58(5): 1006-1011.
32. **Jeon JP**, Le SU, Kim SE, et al. Correlation of Optic Nerve Sheath Diameter with Directly Measured Intracranial Pressure in Korean Adults using Bedside Ultrasonography. *PLOS ONE*. 2017; 12 (9):e0183170.
  33. **Jeon JP**, Kim SE, Kim CH. Endovascular treatment of acute ischemic stroke in octogenarians: A meta-analysis of observational studies. *Clin Neurol Neurosurg*. 2017.161: 70-77.
  34. Kim CH, **Jeon JP**, Kim SE, et al. Endovascular treatment with intravenous thrombolysis versus endovascular treatment alone for acute anterior circulation stroke: A meta-analysis of observational studies. *Journal of Korean Neurosurgical Society*. 2018; 64: 467-473.
  35. Cho YD, Kim SE, **Jeon JP**, et al. Protected versus unprotected carotid artery stenting: meta-analysis of the current literature. *Journal of Korean Neurosurgical Society*. 2018; 61: 458-466.
  36. **Jeon JP**, Hong EP, Kim JE, et al. Genetic risk assessment of elastin gene polymorphisms with intracranial aneurysm in Koreans. *Neuromed chir (Tokyo)*. 2018. 58: 17-22.
  37. **Jeon JP**, Kim SE, Kim CH. Primary suction thrombectomy for acute ischemic stroke: a meta-analysis of the current literature. *Clin Neurol Neurosurg*. 2017.163: 46-52.
  38. An JH, **Jeon JP**, Kim JE, et al. Association of hyperthyroidism and thyroid autoantibodies with moyamoya disease and its stroke event: a population based case-control study and meta-analysis. *Neuromed chir (Tokyo)*. 2018; 58(3): 116-123.
  39. **Jeon JP**, Kim CH, Kim SE. Prediction of persistent hemodynamic depression after carotid angioplasty and stenting using artificial neural network model. *Clin Neurol Neurosurg*. 2018.164: 127-131.
  40. Hong EP, Kim BJ, **Jeon JP**, et al. Association of *SOX17* gene polymorphisms and intracranial aneurysm: A case-control study and meta-analysis. *World Neurosurgery*. 2018.110: e823-829.
  41. **Jeon JP**, Kim JE. Letter to the editor regarding meta-analysis of the surgical outcomes of symptomatic moyamoya disease in adults. *Journal of Neurosurgery*. 2018.
  42. **Jeon JP**, Kim CH, Kim SE. Blood pressure variability and outcome in patients with acute non-

- lobar intracerebral hemorrhage following intensive antihypertensive treatment. 2018. Chinese Medical Association. 2018; 131(6): 657-664
43. Lee SU, Hong EP, **Jeon JP**, et al. Delayed cerebral ischemia and vasospasm after spontaneous angiogram-negative subarachnoid hemorrhage: An updated meta-analysis. *World Neurosurgery*. 2018. E558-569.
44. Kim SE, Hong EP, **Jeon JP**, et al. Ultrasonographic optic nerve sheath diameter to detect increased intracranial pressure in adults: a meta-analysis. *Acta Radiologica*. 2019. 60(2): 221-229.
45. **Jeon JP**, Ahn JH, Kim SE. Response to “Impact of balloon guiding catheter on technical and clinical outcomes: a systematic review and meta-analysis”. *Journal of Neurointerventional Surgery*. 2018.
46. Kim BJ, Kim Y, Kim SE, **Jeon JP**. Study of correlation between Hp  $\alpha 1$  expression of haptoglobin-1 and clinical course in aneurysmal subarachnoid hemorrhage. *World Neurosurgery*. 2018. S1878-8750(18)31217-8.
47. Kim SE, Kim BJ, **Jeon JP**, et al. The incidence of hydrocephalus and shunting in patients with angiogram-negative subarachnoid hemorrhage: An updated meta-analysis. *World Neurosurgery*. 2018. S1878-8750(18)31597-3.
48. Kim CH, Kim SE, **Jeon JP**, et al. Meta-analysis of Endovascular Treatment for Acute M2 Occlusion. *Journal of Korean Neurosurgical Society*. 2019; 62(2): 193-200.
49. Ahn JH, Cho SS, **Jeon JP**, et al. The effects of balloon-guide catheters on outcomes after mechanical thrombectomy in acute ischemic strokes: a meta-analysis. *Journal of Korean Neurosurgical Society*. 2019. 62 (4): 389-397.
50. Cho SS, Kim SE, **Jeon JP**, et al. Clazosentan for aneurysmal subarachnoid hemorrhage: An updated meta-analysis with trial sequential analysis. *World Neurosurgery*. 2019. S1878-8750 (18)32520-8.
51. Hong EP, Kim BJ, **Jeon JP**, et al. Genomic Variations in Susceptibility to Intracranial Aneurysm in the Korean Population. *J Clin Med*. 2019. 8(2). E275.
52. Kim HC, Rhim JK, **Jeon JP**, et al. Machine Learning Application for Rupture Risk Assessment in Small-Sized Intracranial Aneurysm. *J Clin Med*. 2019.15;8(5).

53. Hong EP, Kim BJ, **Jeon JP**. Genome-Wide Association between the 2q33.1 Locus and Intracranial Aneurysm Susceptibility: An Updated Meta-Analysis Including 18,019 Individuals. *J Clin Med*. 2019.16;8(5).
54. **Jeon JP**, Heo Y, Kang SH, et al. Retrospective chronologic CT analysis of bone flap fusion and resorption after craniotomy and autologous cryopreserved cranioplasty. *World Neurosurg*. 2019. e900-906.
55. Kim BJ, Kim Y, Hong EP, **Jeon JP**, et al. Correlation between altered DNA methylation of intergenic regions of ITPR3 and development of delayed cerebral ischemia in subarachnoid hemorrhage patients. *World Neurosurg*. 2019. 130; e449-e456.
56. Hong EP, Kim BJ, **Jeon JP**, et al. Association of endothelin receptor type A with intracranial aneurysm in 20,609 East Asians: An updated meta-analysis. *World Neurosurg*. 2019. 130; e804-e814.
57. **Jeon JP**, Kim SE, Chai CL, et al. Seizure incidence of angiogram-negative subarachnoid hemorrhage: An updated meta-analysis. *J of the Chinese Medical Association*. 2020. 83:466-470.
58. Youn DH, Kim BJ, Kim Y, **Jeon JP**. Extracellular mitochondrial dysfunction in cerebrospinal fluid of patients with delayed cerebral ischemia after aneurysmal subarachnoid hemorrhage. *Neurocritical care*. 2020. 33(2); 422-428.
59. Kim BJ, Youn DH, Kim Y, **Jeon JP**. Characterization of the TCR  $\beta$  Chain CDR3 Repertoire in Subarachnoid Hemorrhage Patients with Delayed Cerebral Ischemia. *Int J Mol Sci*. 2020. 29:21(9).
60. Park JJ, Kim BJ, Youn DH, **Jeon JP**. A Preliminary Study of the Association between SOX17 Gene Variants and Intracranial Aneurysms Using Exome Sequencing. *J Korean Neurosurg Soc*. 2020; 63(5): 539-549.
61. Park JJ, Kim CH, **Jeon JP**. Monitoring of delayed cerebral ischemia in patients with subarachnoid hemorrhage via near-infrared spectroscopy. *J Clin Med*. 2020; 9:E1595.
62. Kim BJ, Kim Y, **Jeon JP** et al. Genome-wide blood DNA methylation analysis in patients with delayed cerebral ischemia after subarachnoid hemorrhage. *Scientific report*. 2020;10 (1):11419.
63. Kim BJ, Ahn JH, Youn DH, **Jeon JP**. Profiling of TCR  $\beta$ -chain CDR3 repertoire in subarachnoid hemorrhage patients using high-throughput sequencing. *J Korean Neurosurg Soc*. 2021;64(4):505-513.

64. Park JJ, Kim Y, Chung LC, **Jeon JP**. Application of Near-Infrared Spectroscopy for the Detection of Delayed Cerebral Ischemia in Poor-Grade Subarachnoid Hemorrhage. *Neurocritical care*. 2021. 1-8.
65. Ahn JH, Kim HC, **Jeon JP** et al. Multi-view convolutional neural networks in rupture risk assessment of small, unruptured intracranial aneurysms. *Journal of Personalized Medicine*. 2021; 11(4):239.
66. Rhim JK, Youn DH, **Jeon JP** et al. The role of consecutive plasma copeptin levels in the screening of delayed cerebral ischemia in poor-grade subarachnoid hemorrhage. *Life*. 2021;11(4):274.
67. Kim BJ, Youn DH, **Jeon JP** et al. Identification of Differentially-Methylated Genes and Pathways in Patients with Delayed Cerebral Ischemia Following Subarachnoid Hemorrhage. *J Korean Neurosurg Soc*. 2022 Jan;65(1):4-12.
68. Youn DH, Tran NM, **Jeon JP** et al. Shape effect of cerium oxide nanoparticles on mild traumatic brain injury. *Scientific report*. 2021; 11(1):15571.
69. Park JJ, **Jeon JP**. Response to the Letter Regarding the Application of Near-Infrared Spectroscopy for the Detection of Delayed Cerebral Ischemia in Poor-Grade Subarachnoid Hemorrhage. *Neurocrit Care*.2021. Oct;35(2):600-602.
70. Kim JT, Youn DH, **Jeon JP** et al. Recent stem cell research on hemorrhagic stroke: An update. *J Korean Neurosurg Soc*. 2022 Mar;65(2):161-172.
71. Youn DH, Kim BJ, **Jeon JP**, et al. Mitochondrial dysfunction associated with autophagy and mitophagy in cerebrospinal fluid cells of patients with delayed cerebral ischemia following subarachnoid hemorrhage. *Sci Rep*. 2021 Aug 13;11(1):16512.
72. Youn DH, Jung HR, **Jeon JP** et al. The Therapeutic Role of Nanoparticle Shape in Traumatic Brain Injury: An in Vitro Comparative Study. *J Korean Neurosurg Soc*. 2022 Mar;65(2):196-203.
73. Youn DH, Kim BJ, **Jeon JP**, et al. Bioinformatics analysis of autophagy and mitophagy markers associated with delayed cerebral ischemia following subarachnoid hemorrhage. *J Korean Neurosurg Soc*. 2022 Mar;65(2):236-244.
74. **Jeon JP**, Lee SJ, Kim CH. Impact of dementia on mortality due to coronavirus disease in the Korean population. *Journal of clinical neurology*. 2022. Jan;18(1):79-86.

75. **Jeon JP**, Chen CH, Tsuang FY, et al. Impact of renal impairment on short-term outcomes following endovascular thrombectomy for acute ischemic stroke: A systematic review and meta-analysis. *International journal of stroke*. 2021 (Online ahead of print).
76. Kim BJ, Hong EP, **Jeon JP**, et al. Genome-Wide Association Study of the Relationship Between Matrix Metalloproteinase and Intracranial Aneurysm. *Journal of clinical neurology*. 2022 Mar;18(2):163-170.
77. Rhim JK, Park JJ, **Jeon JP**, et al. Influence of renal impairment on neurologic outcomes following mechanical thrombectomy in acute vertebrobasilar stroke. *Neuroradiology*. 2022 Apr;64(4):807-815.
78. Han SW, Kim BJ, **Jeon JP**, et al. Association of Haptoglobin Phenotype with Neurological and Cognitive Outcomes in Patients with Subarachnoid Hemorrhage. *Front. Aging Neurosci*. 2022. Mar.
79. Hong EP, Youn DH, **Jeon JP**, et al. Fine-Mapping of Intracranial Aneurysm Susceptibility Based on a Genome-Wide Association Study. *Scientific report*. 2022 Feb 17;12(1):2717.
80. Lim SH, Jung H, **Jeon JP**, et al. Mild Traumatic Brain Injury and Subsequent Acute Pulmonary Inflammatory Response. *J Korean Neurosurg Soc*. 2022 (In press).
81. Hong EP, Youn DH, **Jeon JP**, et al. Genome-wide polygenic risk impact on intracranial aneurysms and acute ischemic stroke. *PLOS ONE*. 2022 (In press).

## KCI

1. **Jeon JS**, Cho SM, Cho YJ, et al. Hemorrhage in the cisterna magna after acupuncture . *Journal of Korean Neurosurgical Society*. 2004;36:412-414.
2. **Jeon JS**, Chang IB, Cho BM, et al. Immediate postoperative epidural hematomas adjacent to the craniotomy site. *Journal of Korean Neurosurgical Society*. 2006;39:335-339.
3. **Jeon JS**, Sheen SH, Hwang GJ, et al. Intraarterial tirofiban thrombolysis for thromboembolisms during coil embolization for ruptured intracranial aneurysms. *Journal of cerebrovascular and endovascular neurosurgery*. 2012;14:5-10.
4. **Jeon JS**, Ryu HG, Lee H, et al. Chylopericardial tamponade in a patient with chylothorax after pulmonary lobectomy. *Korean J Crit Care Med*. 2013;28:327-330.

5. Han JH, **Jeon JP**, Cho YJ, et al. Delayed consecutive contralateral thalamic hemorrhage after spontaneous thalamic hemorrhage: Case report. *Journal of cerebrovascular and endovascular neurosurgery*. 2016;18 (2):106-109.
6. Rhim JK, **Jeon JP**, Park JJ, et al. Prediction of prolonged hemodynamic instability during carotid angioplasty and stenting. *Neurointervention*. 2016; 11(2):120-126.
7. Her Y, **Jeon JP**, et al. Stent-assisted modified coil protection technique for bilobulated aneurysm: technical note. *Radiology Case Report*. 2016; 12(1): 146-149.
8. Kim C, Kim SE, **Jeon JP**. Influence of Anesthesia Type on Outcomes after Endovascular Treatment in Acute Ischemic Stroke: Meta-Analysis. *Neurointervention*. 2019; 14(1):17-26.

#### **Co-authors**

1. Cho WS, Chung YS, Kim JE, Jeon JP, et al. The natural clinical course of hemodynamically stable adult moyamoya disease. *Journal of Neurosurgery*. 2015; 122:82-89.
2. Rhim JK, Cho YD, Jeon JP, et al. Endovascular treatment of cavernous sinus dural arteriovenous fistula with ipsilateral inferior petrosal sinus occlusion: A single-center experience. *Neurosurgery*. 2015; 77: 192-199.
3. Cho YD, **Jeon JP**, Rhim JK, et al. Progressive thrombosis of small saccular aneurysms filled with contrast immediately after coil embolization: analysis of related factors and long-term follow-up. *Neuroradiology*. 2015; 57: 615-623.
4. Cho YD, Rhim JK, Park JJ, **Jeon JP**, et al. Modified coil protection for proper coil frame configuration in wide-necked aneurysms. *Neuroradiology*. 2015; 57: 705-711.
5. Horne MA, Flemming KD, Su IC, Stapf C, **Jeon JP**, et al. Clinical course of untreated cerebral cavernous malformations: a meta-analysis of individual patient data. *Lancet Neurology*. 2016; 15:166-173

6. Cho YD, Rhim JK, Kang HS, Park JJ, **Jeon JP**, et al. Use of Triple Microcatheters for Endovascular Treatment of Wide-Necked Intracranial Aneurysms: A Single Center Experience. *Korean J Radiol.* 2015; 16:1109-1118.
7. Cho YD, Rhim JK, Park JJ, **Jeon JP**, et al. Microcatheter looping to facilitate aneurysm selection in coil embolization of paraclinoid aneurysms. *Korean J Radiol.* 2015; 16:899-905.
8. Rhim JK, Cho YD, **Jeon JP**, et al. Ruptured Aneurysms of Collateral Vessels in Adult Onset Moyamoya Disease with Hemorrhagic Presentation. *Clinical Neuroradiology.* 2018. 28 (2): 191-199.
9. Choi HH, Cho YD, **Jeon JP**, et al. Growth of Untreated Unruptured Small-sized Aneurysms (<7mm): Incidence and Related Factors. *Clinical Neuroradiology.* 2018. 28 (2): 183-189.
10. Cho YD, **Jeon JP**, Yoo DH, et al. Growth related major recanalization of coiled aneurysms.: Incidence and risk factors. *Neurosurgery.* 2018. 82 (2): 185-191.
11. Cho TG, Kang SH, Cho YJ, Choi HJ, **Jeon JP**, et al. Osteoblast and Bacterial Culture from Cryopreserved Skull Flap after Craniectomy: Laboratory Study. *J Korean Neurosurg Soc.* 2017; 60:397-403.
12. Yang J, Cho Y, **Jeon JP**, et al. Anatomical Variants of "Short Head of Biceps Femoris Muscle" Associated with Common Peroneal Neuropathy in Korean Populations: An MRI Based Study. *J Korean Neurosurg Soc.* 2018;61:509-515.
13. Her Y, Kang SH, Cho YJ, **Jeon JP**, et al. Factors Associated With Longer Postoperative Outpatient Follow-up Duration in Patients With Single Lumbar Disc Herniation: A Noncomplicated Patient Cohort Study. *Neurospine.* 2018; 15(3): 225-230.

14. Lee SH, Jang MU, **Jeon JP**, et al. Impact of reducing procedure time on thromboembolism after coil embolization of cerebral aneurysm. *Front Neurol.* 2018. 9:1125.
15. Woo S, Park SY, Kim Y, **Jeon JP**, et al. The Dynamics of Respiratory Microbiota during Mechanical Ventilation in Patients with Pneumonia. *J Clin Med.* 2020.27; 9(3).
16. Chai CL, **Jeon JP**, Tsai Y, et al. Endovascular Intervention Versus Surgery in Ruptured Intracranial Aneurysms in Equipose. A Systematic Review. *Stroke.* 2020.51(6):1703-1711
17. Lee HS, **Jeon JP**, Kim S et al. The effect of video-instructed versus audio-instructed dispatcher-assisted cardiopulmonary resuscitation on patient outcomes following out of hospital cardiac arrest in Seoul. *Sci Rep.* 2021;11(1):15555.
18. Jin C, **Jeon JP**, Kwon S et al. Traditional East Asian herbal medicines for the treatment of poststroke constipation: A protocol for systematic review and meta-analysis. *Medicine (Baltimore).* 2021;100(15):e25503.
19. Seo Y, Jang BH, **Jeon JP**, et al. Successful treatment of restless leg syndrome with the traditional herbal medicines Dangguijakyak-san and Shihogyegi-tang: A case report (CARE-compliant). *Medicine (Baltimore).* 2021 Aug 6;100(31):e26800.
20. Park MD, Choi HJ, **Jeon JP**, et al. Clinical Efficacy of Pulsed Radiofrequency Treatment Targeting the Mid-cervical Medial Branches for Intractable Cervicogenic Headache. *Clin J Pain.* 2021 Mar 1;37(3):206-210
21. Park CH, Kim MJ, **Jeon JP**, et al. Chinese prescription Kangen-karyu as potential anti-alzheimer's disease therapeutic: analysis of BACE1 and GSK-3 inhibitory activities. *Journal of integrative medicine.* 2021 (In press)



22. Park CH, Kim MJ, **Jeon JP**, et al. The mature fruit of Lycium Chinese Miller attenuates cisplatin-induced renal damage in mice via regulation of oxidant and antioxidant enzymes.
23. Kim PJ, Kim, **Jeon JP**, et al. Another Look at Obesity Paradox in Acute Ischemic Stroke: Association Rule Mining. *J Pers Med*. 2021 Dec 29;12(1):16.
24. Lee HK, Jin C, **Jeon JP**, et al. Treatment of nausea and vomiting associated with cerebellar infarction using the traditional herbal medicines banhabaekchulcheonma-tang and oryeong-san: Two case reports (CARE-complaint). *Explore (NY)*. 2021 Dec 1; S1550-8307(21)00246-9.
25. Gaastra B, Alexander S, **Jeon JP**, et al. Genome-Wide Association Study of Clinical Outcome After Aneurysmal Subarachnoid Haemorrhage: Protocol. *Transl Stroke Res*. 2022 Jan 6 (Online ahead of print).

### **Book chapter**

1. Kim JE, **Jeon JS**. Posttraumatic epilepsy and antiepileptic drugs. *Neurotrauma* (second edition), Goonja Press, Seoul, Korea, 2014.
2. **Jeon JP**, Sheen SH. 3D Imaging Technologies in Atherosclerosis, Springer, New York. 2015.  
Chapter: Intravenous flat panel detector CT angiography for the assessment of intracranial arteries. pp 141-152.
3. Kim JE, **Jeon JP**. Essentials of neurosurgical procedures and operations, The Korean Neurosurgical Society, Seoul, Korea, 2015.  
Chapter 21: Carotid endarterectomy  
Chapter 22: STA-MCA bypass
4. **Jeon JP**, Kim JE, Acute ischemic stroke: Medical, Endovascular, and Surgical techniques. Springer, New York. 2017.  
Chapter 2: Pathophysiology of Moyamoya disease

Chapter 14: Bypass surgery

5. **Jeon JP**, Sheen SH, Surgery for Cerebral Stroke (second edition), Goonja Press, Seoul. Korea, 2017.

Chapter 85: Blunt cerebrovascular injury and Atherosclerotic vertebrobasilar artery

## PRESENTATION

### International

1. 14<sup>th</sup> Asian Australasian Congress of Neurological Surgeons 17, April, 2015. Jeju Island. Korea  
Stent-assisted coil embolization of vertebrobasilar dissecting aneurysms
2. 12<sup>th</sup> Congress of the World Federation of Societies of Intensive and Critical Care medicine 31, August, 2015. Seoul. Korea

The threshold of optic nerve sheath diameter by ocular ultrasonography for the detection of increased intracranial pressure in Korean adult patients with brain lesions

3. Der Deutschen Gesellschaft Fur Neurochirurgie 1<sup>st</sup> Joint meeting with the Korean Neurosurgical Society 14, Jun, 2016. Frankfurt, Germany

1H-NMR based metabolomic analysis of cerebrospinal fluid from adult bilateral moyamoya disease: comparison to unilateral moyamoya disease and atherosclerotic stenosis.

4. Hallym-Nagoya City University International Symposium 30, November, 2017.  
Dongtan, Korea

Association of *SOX17* gene polymorphisms and intracranial aneurysm: A case-control study and meta-analysis

5. The 58<sup>th</sup> Annual Meeting of the Korean Neurosurgical Society & 2nd Joint meeting with the German Society of Neurosurgery (DGNC), 12, October, 2018. Seoul, Korea

Identification of a possible susceptible locus for intracranial aneurysm in Koreans using genome-wide association analysis

Ultrasonographic optic nerve sheath diameter to detect increased intracranial pressure in

6. 8 大康复国际湘江科技论坛暨湖南省康复医学会成立 30 周年学术大会 13,  
October, 2018. 湖南长沙万家丽国际大酒店 9 楼大会厅, China.

Acute stroke in Korea.

## Domestic

1. The 8<sup>th</sup> Annual symposium of young neurovascular surgeons & interventionists  
29, August, 2015. Seoul. Korea  
Beginner's experience as a Neurosurgeon for 6 months
2. The 34<sup>th</sup> Annual Spring Meeting of the Korean Neurosurgical Society 15, April, 2016.  
Busan. Korea  
Effect of stenting on progressive occlusion of small unruptured saccular intracranial  
aneurysms with residual sac immediately after coil embolization:  
a propensity-score analysis
3. The 11<sup>th</sup> Korean Neurosurgical Society, Seoul, Kyung-in committee; 26, August, 2016.  
Chuncheon. Korea  
Double aneurysms with multiple lobulations:  
Report of two cases with discussion of treatment option
4. The 2<sup>th</sup> Hallym Neurosurgery Symposium; 15, October, 2016. Chuncheon. Korea  
Neurointensive care
5. The Annual conference and General Assembly of Korean Society of International  
Neuroradiology; 10, December, 2016. Seoul. Korea  
Prediction of prolonged hemodynamic instability during carotid angioplasty and stenting
6. Acute ischemic stroke: Medical, Endovascular & Surgical techniques 9, Jun, 2017. Daegu.  
Korea  
Bypass surgery and pathophysiology of moyamoya disease

7. Hallym Research Symposium; 17, June, 2017. Chuncheon. Korea  
 Toward precision medicine: Building a knowledge network as a neurosurgeon
8. Kangwon Society of Anesthesiologists. 1, December, 2017. Wonju, Korea  
 Toward precision medicine: Building a knowledge network as a neurosurgeon's  
 perspective
9. Neurosurgery Update: The Harmonious Treatment of Cerebrovascular Disease 3, March,  
 2018. Seoul, Korea  
 Cerebrovascular filed in Korea
10. The 36<sup>th</sup> Annual Spring Meeting of the Korean Neurosurgical Society 13, April, 2018. Yeosu, Korea  
 Study of correlation between Hp  $\alpha 1$  expression of haptoglobin2-1 and clinical course in  
 aneurysmal subarachnoid hemorrhage
11. The Hallym Neurosurgery Symposium; 19, May, 2018. Chuncheon. Korea  
 Update of intracranial aneurysmal genetics
12. The 25<sup>th</sup> Korean Neurotraumatology Society 26, May, 2018. Seoul. Korea  
 Ultrasonographic optic nerve sheath diameter to detect increased intracranial pressure in  
 adults: prospective case-control studies and an updated meta-analyses
13. The Hallym Neurosurgery Symposium; 17, November, 2018. Gangneung. Korea  
 Genetics in intracranial aneurysm: how the genetics contributes to aneurysm formation and  
 how this knowledge could be translated to better cures?
14. The 37<sup>th</sup> Annual Spring Meeting of the Korean Neurosurgical Society 19, April, 2019.  
 Daegu. Korea  
 Near-Infrared spectroscopy for assisting diagnosis and therapeutic outcome of symptomatic  
 cerebral vasospasm in patients with subarachnoid hemorrhage
15. The 59<sup>th</sup> Annual Autumn Meeting of the Korean Neurosurgical Society 24, October, 2019.

Incheon. Korea

Editing Committee, Workshop: Lecture about meta-analysis.

Endovascular treatment with intravenous thrombolysis versus Endovascular treatment alone  
for acute anterior circulation stroke: A meta-analysis of observational studies

16. The 14<sup>th</sup> Hallym Basic-Clinical Translational Research Workshop, 14, December,  
2019. Dongtan, Korea

Machine Learning Application for Rupture Risk Assessment in Small-Sized Intracranial  
Aneurysm

17. The 38<sup>th</sup> Annual Spring Meeting of the Korean Neurosurgical Society 31, July, 2020. Seoul.  
Korea

Extracellular mitochondrial dysfunction in CSF of SAH patients with DCI

18. The 38<sup>th</sup> Annual Spring Meeting of the Korean Neurosurgical Society 31, July, 2020. Seoul.  
Korea

Genome-wide association between the 2q33.1 locus and IA: An updated meta-analysis  
including 18,019 individuals

19. KSCCM & Acute and critical care conference, 31, July, 2020. Seoul. Korea

Extracellular mitochondrial dysfunction in CSF of SAH patients with DCI

20. The 39<sup>th</sup> Annual Spring Meeting of the Korean Neurosurgical Society 30, April, 2021.  
Seoul. Korea

Genome-wide association between the 2q33.1 locus and IA: An updated meta-analysis  
including 18,019 individuals

Characterization of TCR  $\beta$ -chain CDR3 repertoire in subarachnoid hemorrhage  
patients with delayed cerebral ischemia

21. KSCCM & Acute and critical care conference, 30, April, 2021. Seoul. Korea

Increased mitochondrial dysfunction associated with autophagy and mitophagy in CSF  
cells following SAH patients with delayed cerebral ischemia.

22. 71th Annual Meeting Korean Association of Anatomists: Symposia Topics 13. October,

2021. Jeju. Korea

Lecture: Diagnosis and treatment of cerebrovascular diseases using various  
imaging modalities

23. The 61<sup>th</sup> Annual Autumn Meeting of the Korean Neurosurgical Society 16, October, 2021.

Incheon. Korea

Mitochondrial dysfunction associated with autophagy and mitophagy in CSF cells of  
patients with DCI following SAH

24. Lecture: Basic Science Development Committee, Neurosurgery Society 8, January, 2022.

Pangyo. Korea

Precision medicine: Neurosurgeon's view

25. Lecture: Neurotrauma Focus 2022. 22, January, 2022. Seoul. Korea

Optic nerve sheath diameter and intracranial pressure