

Curriculum Vitae

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1. Certificates

Certificates	Year	Number
Medical doctor	2004	83736
Radiologist	2009	2519

2. Education & Training

Period	Name of school & hospital	Position
1998. 3 ~ 2004. 2	Seoul National University Medical College	Bachelor's degree
2004. 3 ~ 2009. 2	Seoul National University Hospital	Intern and Resident
2007.3 ~ 2009.2	Seoul National University Medical College	Master's degree
2009. 2 ~ 2012. 4	Military Manpower Administration	Military service
2012.5 ~ 2014.2	Seoul National University Hospital	Fellow
2012.3 ~ 2015.2	Seoul National University Medical College	Doctor's degree
2014.3 ~ present	Asan Medical Center	Associate professor

3. Research

1. The Safety and Efficacy of Hemostasis with Clo-Sur P.A.D. after Transcatheter Arterial Chemoembolization. **Jung SC**, Jae HJ et al. J Korean Soci Radiology 2007
2. Synovial sarcoma of primary bone origin: a rare case in a rare site with atypical features. **Jung SC**, Choi JA, et al. Skeletal radiology (case report) 2006
3. Unusual causes of varicose veins in the lower extremities: CT venographic and Doppler US findings. **Jung SC**, Lee W et al. Radiographics 2009
4. A comparison of the use of contrast media with different iodine concentrations for multidetector CT of

the kidney.**Jung SC**, Kim SH, Cho JY.Korean J Radiol. 2011 Nov-Dec;12(6):714-21.

5. Subtype differentiation of small renal cell carcinomas on three-phase MDCT: usefulness of the measurement of degree and heterogeneity of enhancement.**Jung SC**, Cho JY, Kim SH. ActaRadiol. 2012 Feb 1;53(1):112-8.

6. Development of endovascular vibrating polymer actuator probe for mechanical thrombolysis: in vivo study.**Jung SC**, Yoon BR, Oh JS, Choi SH, Han MH, Lee JY, Cho HR, Rhee K, Jho JY.ASAIO J. 2012 Sep-Oct;58(5):503-8.

7. Spontaneous dissection of the splanchnic arteries: CT findings, treatment, and outcome.**Jung SC**, Lee W, Park EA, Jae HJ, Chung JW, Park JH.AJR Am J Roentgenol. 2013 Jan;200(1):219-25.

8. Cerebral blood volume analysis in glioblastomas using dynamic susceptibility contrast-enhanced perfusion MRI: A comparison of manual and semiautomatic segmentation methods. **Jung SC**, Choi SH. PLoS One 2013 Aug 8;8(8) (ISSN 1932-6203, IF 2.806)

9. Gliomas: application of cumulative histogram analysis of normalized cerebral blood volume on 3 T MRI to tumor grading.Kim H, Choi SH, Kim JH, Ryoo I, Kim SC, Yeom JA, Shin H, **Jung SC**, Lee AL, Yun TJ, Park CK, Sohn CH, Park SH.PLoS One. 2013 May 21;8(5):e63462. (ISSN 1932-6203, IF 2.806)

10. Glioma: Application of histogram analysis of pharmacokinetic parameters from T1-weighted dynamic contrast-enhanced MR imaging to tumor grading. **Jung SC**, Yeom JA, Kim JH, Ryoo I, Kim SC, Shin H, Lee AL, Yun TJ, Park CK, Sohn CH, Park SH, Choi SH. AJNR 2014 Jun;35(6):1103-10

11. Polymeric embolization coil of bilayered polyvinyl alcohol strand for therapeutic vascular occlusion: a feasibility study in canine experimental vascular models. **Jung SC.**, Choi SH, Cho HR, Lee TH, Kim TY, Jeong W, Rhee K, Jho JY, Kim JH, Han MH. JVIR. 2015 Jan;26(1):117-23. (ISSN 1051-0443, IF 2.780)

12. Isolated MCA disease in patients without significant atherosclerotic risk factors: a high-resolution magnetic resonance imaging study. Ahn SH, Lee J, Kim YJ, Kwon SU, Lee D, **Jung SC**, Kang DW, Kim JS. Stroke 2015 Mar;46(3):697-703. (ISSN 0039-2499, IF 6.032)

13. Vessel Wall Imaging of the Intracranial and Cervical Carotid Arteries. Choi YJ. **Jung SC**. Lee DH. J Stroke. 2015 Sep;17(3):238-55 (ISSN 2287-6391, IF 5.576)

14. Endovascular Treatment of Intracranial Aneurysms in Patients With Autosomal Dominant Polycystic Kidney Disease. **Jung SC**¹, Kim CH, Ahn JH, Cho YD, Kang HS, Cho WS, Kim J, Ahn C, Han MH. Neurosurgery 2016 Mar; 78(3): 429-435 (ISSN 0148-396X, IF 4.889)

15. Multi-Contrast High-Resolution Magnetic Resonance Findings of Spontaneous and Unruptured Intracranial Vertebral Artery Dissection: Qualitative and Quantitative Analysis According to Stages. Park KJ, **Jung SC**, Kim HS, Choi CG, Kim SJ, Lee DH, Suh DC, Kwon SU, Kang DW, Kim JS. Cerebrovasc Dis. 2016 Mar 8;42(1-2):23-31. (ISSN 1015-9770, IF 2.974)

16. Perfusion MRI as the predictive/prognostic and pharmacodynamic biomarkers in recurrent malignant glioma treated with bevacizumab: a systematic review and a time-to-event meta-analysis. Choi SH, **Jung SC**, Kim KW, Lee JY, Choi Y, Park SH, Kim HS. J Neurooncol. 2016 Jun;128(2):185-94. (ISSN 0167-594X, IF 2.980)

17. Quantitative Analysis Using High-Resolution 3T MRI in Acute Intracranial Artery Dissection. **Jung SC**, Kim HS, Choi CG, Kim SJ, Lee DH, Suh DC, Kwon SU, Kang DW, Kim JS. *J Neuroimaging*. 2016 Nov;26(6):612-617 (ISSN 1051-2284, IF 1.664)
18. The detectability of brain metastases using contrast-enhanced spin-echo or gradient-echo images: a systematic review and meta-analysis. Suh CH, **Jung SC**, Kim KW, Pyo J *J Neurooncol*. 2016 Sep; 129(2):363-71 (ISSN 0167-594X, IF 2.980)
19. Spontaneous and Unruptured Chronic Intracranial Artery Dissection : High-resolution Magnetic Resonance Imaging Findings. **Jung SC**, Kim HS, Choi CG, Kim SJ, Kwon SU, Kang DW, Kim JS. *Clin Neuroradiol*. 2018 Jun;28(2):171-181 (ISSN 1869-1439, IF 2.618)
20. Comparison of High-Resolution MR Imaging and Digital Subtraction Angiography for the Characterization and Diagnosis of Intracranial Artery Disease. Lee NJ, Chung MS, **Jung SC**, Kim HS, Choi CG, Kim SJ, Lee DH, Suh DC, Kwon SU, Kang DW, Kim JS. *AJNR Am J Neuroradiol*. 2016 Dec;37(12):2245-2250. (ISSN No. 0195-6108, IF 3.550)
21. Intracranial Artery Steno-Occlusion: Diagnosis by Using Two-dimensional Spatially Selective Radiofrequency Excitation Pulse MR Imaging. Chung MS, **Jung SC**, Kim SO, Kim HS, Choi CG, Kim SJ, Kwon SU, Kang DW, Kim JS. *Radiology*. 2017 Sep;284(3):834-843. (ISSN No. 0033-8419; eISSN: 1527-1315, IF 7.296)
22. Comparison of 3D magnetic resonance imaging and digital subtraction angiography for intracranial artery stenosis. Park JE, **Jung SC**, Lee SH, Jeon JY, Lee JY, Kim HS, Choi CG, Kim SJ, Lee DH, Kim SO, Kwon SU, Kang DW, Kim JS. *Eur Radiol*. 2017 Nov;27(11):4737-4746. doi: 10.1007/s00330-017-4860-6. [Epub ahead of print] (ISSN No. 0938-7994 (Print), 1432-1084 (Online), IF 3.967)
23. Differences in dynamic and static functional connectivity between young and elderly healthy adults. Park JE¹, **Jung SC**², Ryu KH¹, Oh JY¹, Kim HS¹, Choi CG¹, Kim SJ¹, Shim WH¹. *Neuroradiology*. 2017 Aug;59(8):781-789 (ISSN 0028-3940, IF 2.093)
24. Visualization of Culprit Perforators in Anterolateral Pontine Infarction: High-Resolution Magnetic Resonance Imaging Study. Lee SH, Jung SC, Kang DW, Kwon SU, Kim JS. *Eur Neurol*. 2017 Sep 19;78(5-6):229-233. (ISSN 0014-3022, IF 1.697)
25. Reliability of fast magnetic resonance imaging for acute ischemic stroke patients using a 1.5-T scanner. Chung MS, Lee JY, Jung SC, Baek S, Shim WH, Park JE, Kim HS, Choi CG, Kim SJ, Lee DH, Jeon SB, Kang DW, Kwon SU, Kim JS. *Eur Radiol*. 2019 May;29(5):2641-2650. (ISSN No. 0938-7994 (Print), 1432-1084 (Online), IF 3.967)
26. Perfusion CT for prediction of hemorrhagic transformation in acute ischemic stroke: a systematic review and meta-analysis. Suh CH, Jung SC, Cho SJ, Kim D, Lee JB, Woo DC, Oh WY, Lee JG, Kim KW. *Eur Radiol*. 2019 Jan 7. (ISSN No. 0938-7994 (Print), 1432-1084 (Online), IF 3.967)
27. Amide proton transfer-weighted MRI can detect tissue acidosis and monitor recovery in a transient middle cerebral artery occlusion model compared with a permanent occlusion model in rats.

Park JE, Jung SC, Kim HS, Suh JY, Baek JH, Woo CW, Park B, Woo DC. *Eur Radiol.* 2019 Jan 21. (ISSN No. 0938-7994 (Print), 1432-1084 (Online), IF 3.967)

28. High-Resolution Magnetic Resonance Imaging Using Compressed Sensing for Intracranial and Extracranial Arteries: Comparison with Conventional Parallel Imaging. Suh CH, Jung SC, Lee HB, Cho SJ. *Korean J Radiol.* 2019 Mar;20(3):487-497 (ISSN No. 1229-6929, eISSN No. 2005-8330, IF 3.730)

29. Accuracy and precision of ultrasound shear wave elasticity measurements according to target elasticity and acquisition depth: A phantom study. Suh CH, Yoon HM, Jung SC, Choi YJ. *PLoS One.* 2019 Jul 11;14(7):e0219621. doi: 10.1371/journal.pone.0219621. eCollection 2019. (ISSN No. 1932-6203, eISSN No. 1932-6203, IF 2.776)

30. Repeatability of amide proton transfer-weighted signals in the brain according to clinical condition and anatomical location. Lee JB, Park JE, Jung SC, Jo Y, Kim D, Kim HS, Choi CG, Kim SJ, Kang DW. *Eur Radiol.* 2019 Jul 23. (ISSN No. 0938-7994 (Print), 1432-1084 (Online), IF 3.967)

31. Fully Automatic Segmentation of Acute Ischemic Lesions on Diffusion-Weighted Imaging Using Convolutional Neural Networks: Comparison with Conventional Algorithms. Woo I, Lee A, Jung SC, Lee H, Kim N, Cho SJ, Kim D, Lee J, Sunwoo L, Kang DW. *Korean J Radiol.* 2019 Aug;20(8):1275-1284. (ISSN No. 1229-6929, eISSN No. 2005-8330, IF 3.730)

32. High-resolution magnetic resonance imaging of intracranial vessel walls: Comparison of 3D T1-weighted turbo spin echo with or without DANTE or iMSDE. Cho SJ, Jung SC, Suh CH, Lee JB, Kim D. *PLoS One.* 2019 Aug 6;14(8):e0220603. doi: 10.1371/journal.pone.0220603. eCollection 2019. (ISSN No. 1932-6203, eISSN No. 1932-6203, IF 2.776)

4. Book

1. Vessel and Vessel Wall Imaging. **Jung SC**, Kang DW, Turan TN. Front Neurol Neurosci. 2016;40:109-123. Epub 2016 Dec 2. Review