

CURRICULUM VITAE

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PRESENT TITLE Professor
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LICENSURES Korea National Medical License

**SPECIALTY
BOARDS** Korea Board of Radiology

EDUCATION **[GRADUATE]**
M.D: Ewha Woman's University College of Medicine, Seoul, Korea
March 1990 ~ February 1996
Major: Medicine

M.S: University of Ulsan College of Medicine, Seoul, Korea

March 2001 ~ February 2003

Major: Radiology

Ph.D: University of Ulsan College of Medicine, Seoul, Korea

March 2005 ~ February 2009

Major: Radiology

POSTGRADUATE

[INTERNSHIP]

Asan Medical Center

Seoul, Korea

March 1996 ~ February 1997

[RESIDENCY]

Department of Radiology

Asan Medical Center

Seoul, Korea

March 1997 ~ February 2001

[FELLOWSHIP]

Neuroradiology, Department of Radiology

Asan Medical Center

Seoul, Korea

March 2001 ~ February 2003

ACADEMIC APPOINTMENTS

[PROFESSOR]

Department of Radiology

University of Ulsan College of Medicine,

Asan Medical Center, Seoul, Korea

March 2017 ~ Present

[ASSOCIATE PROFESSOR]

Department of Radiology

University of Ulsan College of Medicine,
Asan Medical Center,
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March 2011 ~ February 2017

[ASSISTANT PROFESSOR]

Department of Radiology
University of Ulsan College of Medicine,
Asan Medical Center,
Seoul, Korea
March 2006 ~ February 2011

[CLINICAL LECTURER]

Department of Radiology
Asan Medical Center
Seoul, Korea
March 2004 ~ February 2006

**MEMBERSHIP
GROUPS**

Korean Society of Radiology
Korean Society of Ultrasound in Medicine
Korean Society of Magnetic Resonance in Medicine
Korean Society of Neuroradiology
Korean Society of Thyroid Radiology
Radiological Society of North America
International Society of Magnetic Resonance in Medicine
European Society of Head & Neck Radiology

**PROFESSIONAL
CAREER**

Director of Innovation Design Center
Asan Medical Center
Seoul, Korea
January 2021 ~ Present

**EDITORIAL
BOARD**

Section Editor of Korean Journal of Radiology

AWARDS

Certificate of Merit at the RSNA in 2001:

Cavernous sinus syndrome: clinical features and differential diagnosis with MR imaging

Certificate of Merit for Educational Exhibit at the RSNA in 2003:

Space occupying lesion in the temporal bone

Young Investigator Award at 11th Congress of WFUMB in 2006:

Percutaneous Ethanol Injection for Treatment of Neck Recurrence in Postoperative Patients with Thyroid Carcinoma

Magna Cum Laude for Educational Exhibit at the RSNA in 2006:

Comprehensive pictorial review of Bechet disease

Scientific Presentation Award at the ICMRI in 2014:

Diagnostic accuracy of novel MR imaging findings to detect early palatine tonsillar squamous cell carcinoma of T1 stage

Certificate of Merit at the RSNA in 2014:

Infrahyoid Neck: Neural Anatomy and Pathologies

**MAIN SCIENTIFIC
PUBLICATION**

Kim M, **Lee JH**, Joo L, et al. Development and Validation of a Model Using Radiomics Features from an Apparent Diffusion Coefficient Map to Diagnose Local Tumor Recurrence in Patients Treated for Head and Neck Squamous Cell Carcinoma. Korean J Radiol 2022;23:1078-88.
(correspondence)

Suh CH, **Lee JH**, Chung MS, et al. MRI Predictors of Malignant Transformation in Patients with Inverted Papilloma: A Decision Tree Analysis Using

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- Conventional Imaging Features and Histogram Analysis of Apparent Diffusion Coefficients. *Korean J Radiol* 2021;22:751-8. (**correspondence**)
- Lee B, **Lee JH**, Lim YM, et al. High-resolution MR imaging of cranial neuropathy in patients with anti-GQ1b antibody syndrome. *J Neurol Sci* 2021;423:117380. (**correspondence**)
- Suh CH, Lee JH, Lee MK et al. CT and MRI Findings of Glomangiopericytoma in the Head and Neck: Case Series Study and Systematic Review. *AJNR Am J Neuroradiol* 2020; 41: 155-159.
- Lee MK, Lee JH, Kim JH et al. Diagnostic Accuracy of MRI-Based Morphometric Parameters for Detecting Olfactory Nerve Dysfunction *AJNR Am J Neuroradiol* 2020; 41: 1698-1702. (**correspondence**).
- Cho SJ, Lee JH, Suh CH et al. Comparison of diagnostic performance between CT and MRI for detection of cartilage invasion for primary tumor staging in patients with laryngo-hypopharyngeal cancer: a systematic review and meta-analysis. *Eur Radiol* 2020; 30: 3803-3812 (**correspondence**)
- Cho SJ, Lee JH, Chung SR et al. Radiofrequency Ablation of Facial Venolymphatic Malformations: Assessment of Efficacy and Safety and the Role of Injectable Electrodes. *J Vasc Interv Radiol* 2020; 31: 544-550 (**correspondence**)
- Lee JY, Cheng KL, Lee JH et al. Detection of Local Recurrence in Patients with Head and Neck Squamous Cell Carcinoma Using Voxel-Based Color Maps of Initial and Final Area under the Curve Values Derived from DCE-MRI. *AJNR Am J Neuroradiol* 2019; 40: 1392-1401 (**correspondence**)
- Choi YJ, Lee JH, Yoon DH et al. Effect of an Arm Traction Device on Image Quality and Radiation Exposure during Neck CT: A Prospective Study. *AJNR Am J Neuroradiol* 2018; 39: 151-155 (**correspondence**)
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Cho SJ, [Lee JH](#), Park JE, et al. Serial magnetic resonance imaging evaluations of irradiated superior cervical sympathetic ganglia: Not every retropharyngeal enlarging mass is a sign of malignancy. *Eur J Radiol* 2018;98:126-129 (**correspondence**)

Ryu KH, [Lee JH](#), Lee JY, et al. Ethanol Ablation of Ranulas: Short-Term Follow-Up Results and Clinicoradiologic Factors for Successful Outcome. *AJNR Am J Neuroradiol* 2017;38(9):1794-1798 (**correspondence**)

Ryu KH, Lee JH, Jang SW, et al. US-guided core-needle biopsy versus US-guided fine-needle aspiration of suspicious cervical lymph nodes for staging workup of non-head and neck malignancies: A propensity score matching study. *J Surg Oncol* 2017;116:870-6 (**correspondence**)

Park JE, [Lee JH](#), Ryu KH, et al. Improved Diagnostic Accuracy Using Arterial Phase CT for Lateral Cervical Lymph Node Metastasis from Papillary Thyroid Cancer. *AJNR Am J Neuroradiol* 2017;38(4):782-788 (**correspondence**)

Park HS, [Lee JH](#). Elderly Man With Headache and Neck Pain. *Ann Emerg Med* 2017;69(1):e7-e8 (**correspondence**)

[Lee JH](#), Cheng KL, Choi YJ, Baek JH. High-resolution Imaging of Neural Anatomy and Pathology of the Neck. *Korean J Radiol* 2017;18(1):180-193.

Lee HY, [Lee JH](#), Shin JH, et al. Shear wave elastography using ultrasound: effects of anisotropy and stretch stress on a tissue phantom and in vivo reactive lymph nodes in the neck. *Ultrasonography* 2017;36(1):25-32 (**correspondence**)

Choi SH, [Lee JH](#), Choi YJ, et al. Detection of Local Tumor Recurrence After Definitive Treatment of Head and Neck Squamous Cell Carcinoma: Histogram Analysis of Dynamic Contrast-Enhanced T1-Weighted

Perfusion MRI. *AJR Am J Roentgenol* 2017;208(1):42-47

(correspondence)

Xu XQ, Choi YJ, Sung YS, et al. Intravoxel Incoherent Motion MR Imaging in the Head and Neck: Correlation with Dynamic Contrast-Enhanced MR Imaging and Diffusion-Weighted Imaging. *Korean J Radiol* 2016;17:641-9

(correspondence)

Park HS, Lee JH. Granulomatous Inflammation Induced by Bee Sting. *JAMA*

Ophthalmology 2016;134:e161024 **(correspondence)**

Lee JY, Lee JH, Song JS, et al. Superior Cervical Sympathetic Ganglion: Normal Imaging Appearance on 3T-MRI. *Korean J Radiol* 2016;17:657-63

(correspondence)

Lee HY, Lee JH, Shin JH, et al. Shear wave elastography using ultrasound: effects of anisotropy and stretch stress on a tissue phantom and in vivo reactive lymph nodes in the neck. *Ultrasonography* 2016. *e-pub ahead of print*

(correspondence)

Koo HJ, Lee JH, Kim GY, et al. Ethanol and/or radiofrequency ablation to treat venolymphatic malformations that manifest as a bulging mass in the head and neck. *Clin Radiol* 2016;71:1070 e1-7 **(correspondence)**

Choi YJ, Lee JH, Sung YS, et al. Value of Dynamic Contrast-Enhanced MRI to Detect Local Tumor Recurrence in Primary Head and Neck Cancer Patients. *Medicine*. 2016;95(19):e3698. **(correspondence)**

Choi YJ, Lee JH, Cho WY, Baek JH. Effect of an arm traction device on image quality and radiation exposure during neck computed tomography. *European Journal of Radiology*. 2016;85(1):68-72. **(correspondence)**

Choi YJ, Lee JH, Kim HO, et al. Histogram Analysis of Apparent Diffusion Coefficients for Occult Tonsil Cancer in Patients with Cervical Nodal

Metastasis from an Unknown Primary Site at Presentation. *Radiology* 2016;278(1):146-55. (**correspondence**)

Eom HJ, [Lee JH](#), Ko MS, et al. Comparison of Fine-Needle Aspiration and Core Needle Biopsy under Ultrasonographic Guidance for Detecting Malignancy and for the Tissue-Specific Diagnosis of Salivary Gland Tumors. *AJNR Am J Neuroradiol.* 2015. (**correspondence**)

Chung MS, [Lee JH](#), Kim DY, et al. The clinical significance of findings obtained on 3D-FLAIR MR imaging in patients with Ramsay-Hunt syndrome. *Laryngoscope.* 2015;125(4):950-5. (**correspondence**)

Lim HK, [Lee JH](#), Baek HJ, et al. Is Diffusion-Weighted MRI Useful for Differentiation of Small Non-Necrotic Cervical Lymph Nodes in Patients with Head and Neck Malignancies? *Korean J Radiol.* 2014;15(6):810-6. (**correspondence**)

Kim DY, [Lee JH](#), Goh MJ, et al. Clinical significance of an increased cochlear 3D fluid-attenuated inversion recovery signal intensity on an MR imaging examination in patients with acoustic neuroma. *AJNR Am J Neuroradiol.* 2014;35(9):1825-9. (**correspondence**)

Baek HJ, [Lee JH](#), Lim HK, Lee HY, Baek JH. Diagnostic accuracy of the clinical and CT findings for differentiating Kikuchi's disease and tuberculous lymphadenitis presenting with cervical lymphadenopathy. *Japanese Journal of Radiology.* 2014;32(11):637-43. (**correspondence**)

Suh JY, [Lee JH](#), Lee CK, Shin JH, Choi CG, Kim JK. Comparison of Superparamagnetic Iron Oxide Labeling Efficiency between Poly-L-Lysine and Protamine Sulfate for Human Mesenchymal Stem Cells: Quantitative Analysis Using Multi-Echo T2* Magnetic Resonance Imaging. *J Korean Soc Radiol.* 2013;68(2):175-85. (**correspondence**)

Lee JH, Anzai Y. Nonnodal, Nonspinal Metastatic Tumors to the Head and Neck: Distribution Pattern and Imaging Findings. Neurographics. 2013;3(1):41-50.

Lee JH, Anzai Y. Imaging of thyroid and parathyroid glands. Semin Roentgenol. 2013;48(1):87-104.

Jeon, M. J., J. W. Park, J. M. Han, J. H. Yim, D. E. Song, G. Gong, T. Y. Kim, J. H. Baek, J. H. Lee, Y. K. Shong, W. B. Kim. Serum antithyroglobulin antibodies interfere with thyroglobulin detection in fine-needle aspirates of metastatic neck nodes in papillary thyroid carcinoma. J Clin Endocrinol Metab. 2013;98(1):153-60. **(co-correspondence)**

Choi YJ, Lee JH, Lim HK, et al. Quantitative shear wave elastography in the evaluation of metastatic cervical lymph nodes. Ultrasound Med Biol. 2013;39(6):935-40. **(correspondence)**

Lim HK, Lee JH, Hyun D, Park JW, Kim JL, Lee HY, Park S, Ahn JH, Baek JH, Choi CG. Mr diagnosis of facial neuritis: Diagnostic performance of contrast-enhanced 3d-flair technique compared with contrast-enhanced 3d-t1-fast-field echo with fat suppression. AJNR Am J Neuroradiol. 2012;33:779-783 **(correspondence)**

Ko MS, Jeong KS, Shong YK, Gong GY, Baek JH, Lee JH. Collapsing benign cystic nodules of the thyroid gland: Sonographic differentiation from papillary thyroid carcinoma. AJNR Am J Neuroradiol. 2012;33:124-127 **(correspondence)**

Hyun D, Lim HK, Park JW, Kim JL, Lee HY, Park S, Ahn JH, Baek JH, Choi CG, Lee JH. Enhancement pattern of the normal facial nerve on three - dimensional (3d) - fluid attenuated inversion recovery (flair) sequence at 3.0 T MR units. J Korean Soc Magn Reson Med. 2012;16:25-30 **(correspondence)**

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- Chung WJ, [Lee JH](#), Lim HK, Yoon TH, Cho KJ, Baek JH. Eosinophilic otitis media: Ct and mri findings and literature review. *Korean J Radiol.* 2012;13:363-367 (**correspondence**)
- Shin JH, [Lee JH](#), Lim HK, Lee HY, Park JW, Baek HJ, Choi YJ, Ahn JH, Baek JH. Bilateral extraocular muscle metastasis of nasal rhabdomyosarcoma mimicking a thyroid associated orbitopathy: A case report. *J Korean Soc Magn Reson Med.* 2011;15:176-180 (**correspondence**)
- Ha EJ, [Lee JH](#), Lim HK, Bae Kim W, Baek JH. Identification of continuity of transected nerve on sonography after neck dissection: Direct sign of traumatic neuroma. *Thyroid.* 2011;21:1385-1387 (**correspondence**)
- Choi JW, [Lee JH](#). Response to a Letter Regarding Diagnostic Accuracy of Ultrasound and 18-F-FDG PET or PET/CT for Patients With Suspected Recurrent Papillary Thyroid Carcinoma. *Ultrasound in Medicine & Biology.* 2011;37(5):841. (**correspondence**)
- Choi JW, [Lee JH](#), Baek JH, et al. Diagnostic accuracy of ultrasound and 18-F-FDG PET or PET/CT for patients with suspected recurrent papillary thyroid carcinoma. *Ultrasound Med Biol.* 2010;36(10):1608-1615. (**correspondence**)
- [Lee JH](#), Kim YS, Lee D, Choi H, Yoo H, Baek JH. Radiofrequency Ablation (RFA) of Benign Thyroid Nodules in Patients with Incompletely Resolved Clinical Problems after Ethanol Ablation (EA). *World J Surg.* 2010;34:1488-1493
- Ko MS, [Lee JH](#), Shong YK, Gong GY, Baek JH. Normal and abnormal sonographic findings at the thyroidectomy sites in postoperative patients with thyroid malignancy. *AJR Am J Roentgenol* 2010; 194:1596-1609 (**correspondence**)
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- Kim SY, Lee JH, Lee YJ, et al. Diagnostic value of the anterior chamber depth of a globe on CT for detecting open-globe injury. *Eur Radiol*. 2010;20(5):1079-84 (**correspondence**)
- Park SB, Lee JH, Weon YC. Imaging findings of head and neck inflammatory pseudotumor. *AJR Am J Roentgenol*. 2009;193(4):1180-6 (**correspondence**)
- Kim JH, Lee JH, Shong YK, Hong SJ, Ko MS, Lee DH, Choi CG, Kim SJ. Ultrasound features of suture granulomas in the thyroid bed after thyroidectomy for papillary thyroid carcinoma with an emphasis on their differentiation from locally recurrent thyroid carcinomas. *Ultrasound Med Biol* 2009; 35:1452-1457 (**correspondence**)
- Moon WJ, Jung SL, Lee JH, Na DG, Baek JH, Lee YH, Kim J, Kim HS, Byun JS, Lee DH. Benign and malignant thyroid nodules: US differentiation-- multicenter retrospective study. *Radiology* 2008; 247:762-770
- Kim SM, Lee JH, Choi JW, et al. Clinical Significance of Mesenteric Lymph Nodes Detected on Postoperative CT after a Total Pharyngolaryngectomy and Reconstruction with a Jejunal Free Flap. *J Korean Radiol Soc*. 2008;58(2):113-9 (**correspondence**)
- Ahn JE, Lee JH, Yi JS, Shong YK, Hong SJ, Lee DH, Choi CG, Kim SJ. Diagnostic Accuracy of CT and Ultrasonography for Evaluating Metastatic Cervical Lymph Nodes in Patients with Thyroid Cancer. *World J Surg* 2008; 32:1552-1558 (**correspondence**)
- Lee JH, Lee HK, Lee DH, Choi CG, Kim SJ, Suh DC. Neuroimaging strategies for three types of Horner syndrome with emphasis on anatomic location. *AJR Am J Roentgenol* 2007; 188:W74-81 (**correspondence**)
- Lee JH, Lee HK, Lee DH, Choi CG, Gong G, Shong YK, Kim SJ. Ultrasonographic findings of a newly detected nodule on the thyroid bed in postoperative
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patients for thyroid carcinoma: correlation with the results of ultrasonography-guided fine-needle aspiration biopsy. *Clin Imaging* 2007; 31:109-113 (**correspondence**)

Ryu CW, Lee JH, Lee HK, Lee DH, Choi CG, Kim SJ. Clinical usefulness of multidetector CT fistulography of branchial cleft fistula. *Clin Imaging*. 2006;30(5):339-42 (**correspondence**)

Lee JH, Kim SJ, Cha J, Kim HJ, Lee DH, Choi CG, Suh DC, Ahn JS. Postoperative multidetector computed tomography angiography after aneurysm clipping: comparison with digital subtraction angiography. *J Comput Assist Tomogr* 2005; 29:20-25

Lee JH, Lee HK, Kim JK, Kim HJ, Park JK, Choi CG. CSF flow quantification of the cerebral aqueduct in normal volunteers using phase contrast cine MR imaging. *Korean J Radiol* 2004; 5:81-86

Lee JH, Choi CG, Kim DK, Kim GE, Lee HK, Suh DC. Relationship between circle of Willis morphology on 3D time-of-flight MR angiograms and transient ischemia during vascular clamping of the internal carotid artery during carotid endarterectomy. *AJNR Am J Neuroradiol* 2004; 25:558-564

Lee JH, Lee HK, Park JK, Choi CG, Suh DC. Cavernous sinus syndrome: clinical features and differential diagnosis with MR imaging. *AJR Am J Roentgenol* 2003; 181:583-590

Lee JH, Lee HK, Choi CT, Huh J. Mucosa-associated lymphoid tissue lymphoma of the pituitary gland: MR imaging features. *AJNR Am J Neuroradiol* 2002; 23:838-840

Lee JH, Lee HK, Choi CG, Suh DC, Lee KS, Khang SK. Malignant peripheral nerve sheath tumor in the parapharyngeal space: tumor spread through the eustachian tube. *AJNR Am J Neuroradiol* 2001; 22:748-750

Lee JH, Lee HK, Lim SM, et al. Complications of Atticoantral Cholesteatoma: MR Manifestations. *J Korean Radiol Soc.* 2000;42(2):235-40.

Lee JH, Ha HK, Yoo E, Yang SK, Min YI, Auh YH. CT and sonographically guided biopsy in a patient with intestinal mucormycosis. *AJR Am J Roentgenol* 2000; 175:129-131

BOOK Hyun Jin Kim, Jeong Hyun Lee, eds. Korean Society of Neuroradiology. *Head & Neck Radiology*. Seoul, Korea: Panmun Education, 2015.

BOOK CHAPTERS Na DG, Lee JH. Preoperative Evaluation and Postoperative Follow-up of Thyroid Cancer. In: Korean Society of Neuroradiology and Head & Neck Radiology Thyroid Study Group, ed. *Thyroid Gland: Imaging Diagnosis and Intervention*, 1st ed. Seoul: Ilchokak, 2008:211-272

Kim SY, Lee JH. Management of References and Practical Use of EndNote. In: Song H-Y, Choi BI, Jeong H-J, Kandarpa K, eds. *Medical Papers: A Guide to Successful Writing & Presenting in English*, 1st ed. Seoul: Epublic, 2010:191-247
