

# **CURRICULUM VITAE: Jeong Hyun Lee, M.D.**

**Academic Title:** Clinical Assistant Professor, Department of Radiology, Samsung Medical Center, Seoul, KR

## **Contact Information:**

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## **Education:**

|              |   |      |
|--------------|---|------|
| 2007-2013    | Eulji University College of Medicine, Daejeon, KR     | M.D. |
| 2015-2018    | Sungkyunkwan University School of Medicine, Seoul, KR | M.S. |
| 2022-present | Sungkyunkwan University School of Medicine, Seoul, KR |      |

## **Licenses, Certifications:**

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|------|---|
| 2013 | Medical License, Korea Ministry of Health and Welfare |
| 2018 | Certified, Korean Society of Radiology                |

## **Employment:**

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|--------------------|---|
| 2013-03 to 2014-02 | Intern, Dept. of Radiology, Samsung Medical Center, Seoul, KR                   |
| 2014-03 to 2018-02 | Resident, Dept. of Radiology, Samsung Medical Center, Seoul, KR                 |
| 2018-04 to 2019-04 | Medical Officer, Republic of Korea Army, Yeoncheon, KR                          |
| 2019-05 to 2021-04 | Medical Officer, Dept. of Radiology, Armed Forces Daejeon Hospital, Daejeon, KR |

2021-05 to 2023-02 Fellow (Radiology), Dept. of Radiology, Samsung Medical Center, Seoul, KR

2023-03 to 2024-02 Clinical Instructor (Full-time), Dept. of Radiology, Samsung Medical Center, Seoul, KR

2024-03 to present Clinical Assistant Professor, Dept. of Radiology, Samsung Medical Center, Seoul, KR

### **Invited Positions and Distinctions:**

2017-05 Guest Researcher, Laboratory of Medical Imaging and Computation, Harvard Medical School, Boston, MA, US

### **Publications:**

1. Lee, Jeonghyun; Lee, Taebum; Oh, Eunsun; Yoon, Young Cheol. "Temporal evolution of a chronic expanding organizing hematoma on MRI, including functional MR imaging techniques: a case report." *Investigative Magnetic Resonance Imaging*, vol. 21, no. 1, pp. 43-50, 2017.
2. Lee, Jeong Hyun; Jeong, Woo Kyoung; Kim, Young Kon; Lee, Won Jae; Ha, Sang Yun; Kim, Kyoung Won; Kim, Jihun. "Magnetic resonance findings of hepatic epithelioid hemangioendothelioma: emphasis on hepatobiliary phase using Gd-EOB-DTPA." *Abdominal Radiology*, vol. 42, pp. 2261-2271, 2017.
3. Cha, Min Jae; Lee, Jeong Hyun; Jung, Hye Na; Kim, Yiseul; Choe, Yeon Hyeon; Kim, Sung Mok. "Cardiac magnetic resonance-tissue tracking for the early prediction of adverse left ventricular remodeling after ST-segment elevation myocardial infarction." *The International Journal of Cardiovascular Imaging*, vol. 35, pp. 2095-2102, 2019.
4. Cha, Min Jae; Chung, Myung Jin; Lee, Jeong Hyun; Lee, Kyung Soo. "Performance of deep learning model in detecting operable lung cancer with chest radiographs." *Journal of Thoracic Imaging*, vol. 34, no. 2, pp. 86-91, 2019.
5. Lee, Jeong Hyun; Min, Ji Hye; Kim, Young Kon; Cha, Dong Ik; Lee, Jisun; Park, Hyun Jeong; Ahn, Soohyun. "Usefulness of non-contrast MR imaging in distinguishing pancreatic ductal adenocarcinoma from focal pancreatitis." *Clinical Imaging*, vol. 55, pp. 132-139, 2019.
6. Parakh, Anushri; Lee, Hyunkwang; Lee, Jeong Hyun; Eisner, Brian H; Sahani, Dushyant V; Do, Synho. "Urinary stone detection on CT images using deep convolutional neural networks: evaluation of model performance and generalization." *Radiology: Artificial Intelligence*, vol. 1, no. 4, e180066, 2019.

7. Bak, So Hyeon; Park, Hye Yun; Nam, Jin Hyun; Lee, Ho Yun; Lee, Jeong Hyun; Sohn, Insuk; Chung, Man Pyo. "Predicting clinical outcome with phenotypic clusters using quantitative CT fibrosis and emphysema features in patients with idiopathic pulmonary fibrosis." *PloS one*, vol. 14, no. 4, e0215303, 2019.
8. Lee, Jeong Hyun; Joo, Ijin; Kang, Tae Wook; Paik, Yong Han; Sinn, Dong Hyun; Ha, Sang Yun; Kim, Kyunga; Choi, Choonghwan; Lee, Gunwoo; Yi, Jonghyon. "Deep learning with ultrasonography: automated classification of liver fibrosis using a deep convolutional neural network." *European Radiology*, vol. 30, pp. 1264-1273, 2020.
9. Jung, Hye Na; Kim, Sung Mok; Lee, Jeong Hyun; Kim, Yiseul; Lee, Sang-Chol; Jeon, Eun-Seok; Yong, Hwan Seok; Choe, Yeon Hyeon. "Comparison of tissue tracking assessment by cardiovascular magnetic resonance for cardiac amyloidosis and hypertrophic cardiomyopathy." *Acta Radiologica*, vol. 61, no. 7, pp. 885-893, 2020.
10. Nham, Eliel; Lee, Jeong Hyun; Huh, Kyungmin; Ko, Jae-Hoon; Cho, Sun Young; Kang, Cheol-In; Chung, Doo Ryeon; Huh, Hee Jae; Lee, Nam Yong; Peck, Kyong Ran. "Predictive and prognostic factors associated with unliquefied pyogenic liver abscesses." *Journal of Microbiology, Immunology, and Infection*, vol. 56, no. 1, pp. 64-74, 2023.
11. Lee, Jeong Hyun; Kim, Young Kon; Min, Ji Hye; Cha, Dongik; Hwang, Jeong Ah; Ahn, Soohyun. "Comparison of noncontrast, dynamic, and hepatobiliary phase abbreviated MRI protocols for detection of hepatic malignancies." *Clinical Imaging*, vol. 101, pp. 206-214, 2023.
12. Choi, Seo-Youn; Min, Ji Hye; Kim, Jung Hoon; Park, Hyun Jeong; Kim, Yeun-Yoon; Han, Yeo Eun; Bae, Sung Hwan; Lee, Jeong Hyun; Choi, Yoon-Hyeong; Moon, Ji Eun. "Interobserver variability and diagnostic performance in predicting malignancy of pancreatic intraductal papillary mucinous neoplasm with MRI." *Radiology*, vol. 308, no. 1, e222463, 2023.
13. Seo, Yujin; Min, Ji Hye; Kim, Seong Hyun; Kim, Young Kon; Kim, Honsoul; Cha, Dong Ik; Lee, Jeong Hyun; Heo, Jin Seok; Han, In Woong; Shin, Sang Hyun. "The role of subspecialized radiologist reviews in preoperative conference for hepato-pancreato-biliary disease." *European Journal of Radiology*, vol. 169, 111183, 2023.
14. Lee, Jeong Hyun; Hwang, Jeong Ah; Gu, Kyowon; Shin, Jaeseung; Han, Seungchul; Kim, Young Kon. "Magnetic resonance elastography as a preoperative assessment for predicting intrahepatic recurrence in patients with hepatocellular carcinoma." *Magnetic Resonance Imaging*, 2024.
15. Lee, Jeong Hyun; Shin, Jaeseung; Min, Ji Hye; Jeong, Woo Kyoung; Kim, Honsoul; Choi, Seo-Youn; Lee, Jisun; Hong, Sungjun; Kim, Kyunga. "Preoperative prediction of early recurrence in resectable pancreatic cancer integrating clinical, radiologic, and CT radiomics features." *Cancer Imaging*, vol. 24, no. 1, p. 6, 2024.
16. Gu, Kyowon; Lee, Jeong Hyun; Shin, Jaeseung; Hwang, Jeong Ah; Min, Ji Hye; Jeong, Woo Kyoung; Lee, Min Woo; Song, Kyoung Doo; Bae, Sung Hwan. "Using GPT-4 for

LI-RADS feature extraction and categorization with multilingual free-text reports”. Liver International, *In press*.