• **Name:** **Ho Yun Lee**

• **Current Position & Affiliation:** **Associate Professor, Samsung Medical Center**

• **Country:** **Korea**

• **Educational Background:**
MD graduation in 2001 Hanyang University, PhD 2012 Seoul National University

• **Professional Experience:**
Associate Professor, Radiology, Sungkyunkwan University School of Medicine, Seoul, Korea

Associate Professor in Chest Section, Department of Radiology, Samsung Medical Center

• **Main Scientific Publications:**

- Total: 145
- As first or corresponding author: 102
- h-index: 41
- i10 index: 92

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Book chapters, letters, invited publications: 14

Major Research Interests

1. Radiomics and imaging genomics for thoracic oncology

Lee G, Lee HY(corresponding author), Park H, Schiebler ML, van Beek EJR, Ohno Y, Seo JB, Leung A. Radiomics and its emerging role in lung cancer research, imaging biomarkers and clinical management: State of the art. Eur J Radiol. 2017 Jan;86:297-307.

Song SH, Park H, Lee G, Lee HY(corresponding author), Sohn I, Kim HS, Lee SH, Jeong JY, Kim J, Lee KS, Shim YM. Imaging phenotyping using radiomics approach to predict micropapillary pattern within a lung adenocarcinoma. J Thorac Oncol. 2017 Apr;12(4):624-632.

Lee G, Park H, Sohn I, See SH, Song SH, Kim H, Lee KS, Shim YM, Lee HY(corresponding author). Comprehensive CT Radiomic s Analysis of Lung Adenocarcinoma for Prognostication. Oncologist 2018 Jul;23(7):806-813.

Lee HY, Jeong JY, Lee KS, et al. Solitary pulmonary nodular lung adenocarcinoma: correlation of histopathologic scoring and patient survival with imaging biomarkers.

Radiology 2012;264(3):884-93.

2. Multimodal imaging approach through CT, PET and thoracic MRI

Kim J, Ryu SY, Lee SH, Lee HY(corresponding author), Park H. Clustering approach to identify intratumour heterogeneity combining FDG PET and diffusion-weighted MRI in lung adenocarcinoma. Eur Radiol. 2019 Jan 29(1):468-475.
Lee HY, Lee SW, Lee KS, Jeong JY, Choi JY, Kwon OJ, Song SH, Kim EY, Kim J, Shim YM. Role of CT and PET Imaging in Predicting Tumor Recurrence and Survival in Patients with Lung Adenocarcinoma: A Comparison with the International Association for the Study of Lung Cancer/American Thoracic Society/European Respiratory Society Classification of Lung Adenocarcinoma. J Thorac Oncol. 2015 Dec;10(12):1785-94.
Lee HY, Jeong JY, Lee KS, Yi CA, Kim BT, Kang H, Kwon OJ, Shim YM, Han J. Histopathology of lung adenocarcinoma based on new IASLC/ATS/ERS classification: prognostic stratification with functional and metabolic imaging biomarkers. J Magn Reson Imaging. 2013 Oct;38(4):905-913.

3. Percutaneous lung biopsy for genomic study and imaging-based targeted liquid biopsy

Yoon HJ, Lee HY(corresponding author), Lee KS, et al. Repeat biopsy for mutational analysis of non-small cell lung cancers resistant to previous chemotherapy: adequacy and complications. Radiology 2012;265:939-948.

4. Functional imaging analysis for lung perfusion and ventilation through CT and MRI

Moon JW, Bae JP, Lee HY(corresponding author), Kim N, Chung MP, Park HY, Chang Y, Seo JB, Lee KS. Perfusion- and pattern-based quantitative CT indexes using contrast-enhanced dual-energy computed tomography in diffuse interstitial lung disease: relationships with physiologic impairment and prediction of prognosis. Eur Radiol. 2016 May;26(5):1368-77.

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