


Curriculum Vitae

Name	Hongyoon Choi	
Current Position & Affiliation	Assistant Professor, Seoul National University Hospital	
Country	Korea	

Educational Background

2014	Ph.D.	Department of Molecular Medicine and Biopharmaceutical Sciences, Graduate School of Convergence Science and Technology, Seoul National University (Supervisor: Dong Soo Lee, M.D., Ph.D.)
2010	M.D.	Seoul National University College of Medicine

Professional Experience

2018.9-	Assistant professor, Department of Nuclear Medicine, Seoul National University Hospital
2015-2018	Public Health Doctor, Cheon-An (Military Service)
2011-2015	Residency, Department of Nuclear Medicine, Seoul National University Hospital

Professional Organizations

Assistant Director of Academic Committee, Korean Society of Nuclear Medicine

Main Scientific Publications

(selected, *: Corresponding author)

- ✓ Lee R, Shin J, **Choi H***, Kim HJ, Cheon GJ, Jeon B. Variability of FP-CIT PET Patterns Associated with Clinical Features of Multiple System Atrophy. Neurology, In Press.
- ✓ Kim JY, Oh D, Sung K, **Choi H***, Paeng JC, Cheon GJ, Kang KW, Lee DY, Lee DS. Visual interpretation of [18F]Florbetaben PET supported by deep learning-based estimation of amyloid burden. Eur J Nucl Med Mol Imaging. 2020 Epub
- ✓ Park C, Na KJ, **Choi H***, Ock CY, Ha S, Kim M, Park S, Keam B, Kim TM, Paeng JC, Park IK, Kang CH, Kim DW, Cheon GJ, Kang KW, Kim YT, Heo DS. Tumor immune profiles noninvasively estimated by FDG PET with deep learning correlate with immunotherapy response in lung adenocarcinoma. Theranostics. 2020;10(23):10838-10848.
- ✓ Na KJ, **Choi H***, Oh HR, Kim YH, Lee SB, Jung YJ, Koh J, Park S, Lee HJ, Jeon YK, Chung DH, Paeng JC, Park IK, Kang CH, Cheon GJ, Kang KW, Lee DS, Kim YT. Reciprocal change in Glucose metabolism of Cancer and Immune Cells mediated by different Glucose Transporters predicts Immunotherapy response. Theranostics 2020; 10(21):9579-9590.
- ✓ Ryoo HG, **Choi H***, Lee DS. Deep learning-based interpretation of basal/acetazolamide brain perfusion SPECT leveraging unstructured reading reports Eur J Nucl Med Mol Imaging. 2020: 1-11.
- ✓ **Choi H**, Kim YK, Yoon EJ, Lee JY, Lee DS; Alzheimer's Disease Neuroimaging Initiative. Cognitive signature of brain FDG PET based on deep learning: domain transfer from Alzheimer's disease to Parkinson's disease. Eur J Nucl Med Mol Imaging. 2020;47(2):403-412.
- ✓ **Choi H***, Na KJ. Pan-cancer analysis of tumor metabolic landscape associated with genomic alterations. Mol Cancer. 2018;17(1):150.
- ✓ **Choi H***, Na KJ. Integrative analysis of imaging and transcriptomic data of the immune landscape associated with tumor metabolism in lung adenocarcinoma: Clinical and prognostic implications. Theranostics 2018 15;8(7):1956-1965.
- ✓ **Choi H**, and Lee DS. "Generation of structural MR images from amyloid PET: application to MR-less quantification." J Nucl Med 2018 59(7): 1111-1117.

- ✓ Na KJ[†], Choi H^{*},[†]. Tumor metabolic features identified by FDG PET correlates with gene networks of immune cell microenvironment in head and neck cancer. J Nucl Med 2018 59(1):31-37.
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