




Name	Hayoung Choi			
First Name	Hayoung	Last Name	Choi	
Country	Korea			
Organization	Department of Internal Medicine, Hallym University			
Current Position	Assistant Professor			

Educational Background

2001–2007	Chonnam National University College of Medicine, Gwangju, Korea M.D.
2012–2014	Chonnam National University Graduate School of Medicine, Gwangju, Korea M.S.
2019–current	Sungkyunkwan University School of Medicine, Seoul, Korea Ph.D.

Professional Experiences

2011–2016	Internship and Residency in Internal Medicine Chonnam National University Hospital, Gwangju, Korea
2016–2017	Clinical Fellow in Division of Pulmonary and Critical Care Medicine Department of Medicine, Samsung Medical Center, Seoul, Korea
2017–2018	Clinical Assistant Professor Department of Internal Medicine, Hallym University Kangnam Sacred Heart Hospital, Seoul, Korea
2018–current	Assistant Professor Department of Internal Medicine, Hallym University, Seoul, Korea

Professional Organizations

2016–current	Korean Academy of Tuberculosis and Respiratory Diseases
2017–current	Korean Society of Critical Care Medicine
2019–current	American Thoracic Society
2020–current	European Respiratory Society

Main Scientific Publications

Publications as the first author or corresponding author

1. Lee H, **Choi H**, Yang B, Lee SK, Park TS, Park DW, Moon JY, Kim TH, Sohn JW, Yoon HJ, Kim SH. Interstitial lung disease increases susceptibility to and severity of COVID-19. *Eur Respir J* 2021 (in press).
2. Yang B, Kim T, Ryu J, Park HY, Hwangbo B, Kong SY, Kwon YS, Lee SJ, Ra SW, Oh YM, Sohn JW, Choe KH, **Choi H**, Lee H. Increased Incidence and Associated Risk Factors of Aspergillosis in Patients with Bronchiectasis. *J Pers Med* 2021;11:422.
3. Lee H, **Choi H**, Chalmers JD, Dhar R, Nguyen TQ, Visser SK, Morgan LC, Oh YM. Characteristics of bronchiectasis in Korea: First data from the Korean Multicentre Bronchiectasis Audit and Research Collaboration registry and comparison with other international registries. *Respirology* 2021;26:619.
4. **Choi H**, Lee JK, Oh HJ, Kim MS, Kho BG, Park CK, Oh IJ, Kim YC. Efficacy and dose of afatinib in patients with non-small cell lung cancer after failure of prior gefitinib or erlotinib treatment. *Thoracic Cancer* 2021;12:1598.



5. **Choi H**, Yang B, Kim YJ, Sin S, Jo YS, Kim Y, Park HY, Ra SW, Oh YM, Chung SJ, Yeo Y, Park DW, Park TS, Moon JY, Kim SH, Kim TH, Yoon HJ, Sohn JW, Lee H. Increased mortality in patients with non cystic fibrosis bronchiectasis respiratory comorbidities. *Sci Rep* 2021;11:7126.
6. **Choi H**, Lee H, Lee SK, Yang B, Chung SJ, Yeo Y, Park TS, Park DW, Moon JY, Kim TH, Sohn JW, Yoon HJ, Kim SH. Impact of bronchiectasis on susceptibility to and severity of COVID-19: a nationwide cohort study. *Ther Adv Respir Dis* 2021;15.
7. Yang B, Ryu J, Kim T, Jo YS, Kim Y, Park HY, Kang YA, Lee SJ, Lee OJ, Moon JY, Ra SW, Kim SH, Kim TH, Kwon YS, Oh YM, Lee KM, Sohn JW, Yoon HJ, **Choi H**, Lee H. Impact of Bronchiectasis on incident NTM pulmonary disease: A 10-Year national cohort study. *Chest* 2021;159:1807.
8. Yang B, **Choi H**, Lee SK, Chung SJ, Yeo Y, Shin YM, Park DW, Park TS, Moon JY, Kim TH, Sim YS, Yoon HJ, Sohn JW, Lee H, Kim SH. Risk of Coronavirus Disease Incidence, Severe Presentation, and Mortality in Patients with Lung Cancer. *Cancer Res Treat* 2021;53:678.
9. Lee H, **Choi H**, Nam H, Yang B, Hwangbo B, Kong SY, Chung SJ, Yeo Y, Park TS, Park DW, Moon JY, Kim TH, Sohn JW, Yoon HJ, Kim SH. Body mass index change and incident asthma in adults: A nationwide cohort study. *Allergy* 2021;76:1896.
10. Chung SJ, Kim HI, Yang B, Kim T, Sim YS, Kang HK, Kim SH, Yoon HJ, **Choi H**, Lee H. Impact of the severity of restrictive spirometric pattern on nutrition, physical activity, and quality of life: results from a nationally representative database. *Sci Rep* 2020;10:19672.
11. Yang B, Jang HJ, Chung SJ, Yoo SJ, Kim T, Kim SH, Shin YM, Kang HK, Kim JS, **Choi H**, Lee H. Factors Associated Bronchiectasis in Korea: A National Database Study. *Ann Transl Med* 2020;8:1350.
12. **Choi H**, Ryu J, Kim Y, Yang B, Hwangbo B, Kong SY, Sim YS, Park HY, Ra SW, Oh YM, Moon JY, Kim TH, Kim SH, Sohn JW, Yoon HJ, Lee H. Incidence of Bronchiectasis concerning Tuberculosis Epidemiology and Other Ecological Factors: A Korean National Cohort Study. *ERJ Open Res* 2020;6:00097-2020.
13. **Choi H**, Lee H, Ryu J, Chung SJ, Park DW, Sohn JW, Yoon HJ, Kim SH. Bronchiectasis and Increased Mortality in Patients with Corticosteroid-Dependent Severe Asthma: a nationwide population study. *Ther Adv Respir Dis* 2020;14.
14. **Choi H**, Ko Y, Lee CY. Pro-cathepsin D as a diagnostic marker in differentiating malignant from benign pleural effusion: a retrospective cohort study. *BMC Cancer* 2020;20:825.
15. **Choi H**, Lee H, Ra SW, Oh YM. Update on pharmacotherapy for adult bronchiectasis. *J Korean Med Assoc.* 2020;63:486.
16. Lee H, Sohn JW, Sim YS, Shin TR, Kim D-G, **Choi H**. Outcomes of Extended Duration Therapy for Drug-Susceptible Cavitary Pulmonary Tuberculosis. *Ann Transl Med* 2020;8:346.
17. Yang B, **Choi H**, Chung SJ, Shin B, Lee H, Park HY. Impact of Bronchiectasis on Postoperative Pulmonary Complications after Extra-pulmonary Surgery in Patients with Airflow Limitation. *J Korean Med Sci* 2020;35:e80.
18. Lee H, **Choi H**, Sim YS, Park S, Kim WJ, Yoo KH, Lee SJ, Kim TH, Yang B, Jeong I, Um SJ, Kim DK, Lee JH, Kwon BS, Cho YJ, Park HY, Lee CH, Rhee CK, Lee SH, Na JO, Jang AS, Jung JY, Ra SW, Lee JH, Kim SH, Kim C, Kim Y, Lee CY, Kim HK, Lee JS, Lee SW, Oh YM, KMBARC. KMBARC registry: protocol for a multicentre observational cohort study on non-cystic fibrosis bronchiectasis in Korea. *BMJ Open* 2020;10:e034090.
19. Yang B, **Choi H**, Lim JH, Park HY, Kang D, Cho J, Lee JS, Lee SW, Oh YM, Moon JY, Kim SH, Kim TH, Sohn JW, Yoon HJ, Lee H. The disease burden of bronchiectasis in comparison with chronic obstructive pulmonary disease: a national database study in Korea. *Ann Transl Med* 2019;7:770.
20. Yang B, **Choi H**, Kim SH, Yoon HJ, Lee H. How will nanotechnology lead to better control of asthma? *Ann Transl Med* 2019;7:515.
21. **Choi H**, Ko UW, Lee H, Hong SB, Chung CR. Improved survival rates in patients with H1N1 acute respiratory failure in Korea between 2009 and 2016. *PLoS One* 2019;14:e0223323.
22. **Choi H**, Yang B, Nam H, Kyoung DS, Sim YS, Park HY, Lee JS, Lee SW, Oh YM, Ra SW, Kim SH, Sohn JW, Yoon HJ, Lee H. Population-based prevalence of bronchiectasis and associated comorbidities in South Korea. *Eur Respir J* 2019;54:1900194.
23. **Choi H**, Shin B, Yoo H, Suh GY, Cho JH, Kim HK, Choi YS, Kim J, Zo JI, Shim YM, Jeon K. Early corticosteroid treatment for postoperative acute lung injury after lung cancer surgery. *Ther Adv Respir Dis* 2019;13:1753466619840256.
24. **Choi H**, Lee H, Jeon K, Suh GY, Shin S, Kim HK, Kim K, Jeong D, Kim H. Factors affecting surgical resection and treatment outcomes in patients with pulmonary mucormycosis. *J Thorac Dis* 2019;11:892.



25. **Choi H**, Cho JH, Kim HK, Choi YS, Kim J, Zo JI, Shim YM, Jeon K. Prevalence and clinical course of postoperative acute lung injury after esophagectomy for esophageal cancer. *J Thorac Dis* 2019;11:200.
26. Kim S, **Choi H**, Jang YJ, Park SH, Lee H. Prevalence of and factors related to latent tuberculous infection among all employees in a referral hospital. *Int J Tuberc Lung Dis* 2018;22:1329.
27. **Choi H**, Jhun BW, Kim SY, Kim DH, Lee H, Jeon K, Kwon OJ, Huh HJ, Ki CS, Lee NY, Shin SJ, Daley CL, Koh WJ. Treatment outcomes of macrolide-susceptible Mycobacterium abscessus lung disease. *Diagn Microbiol Infect Dis* 2018;90:293.
28. **Choi H**, Lee H, Jeong SH, Um SW, Kwon OJ, Kim H. Pulmonary actinomycosis mimicking lung cancer on positron emission tomography. *Ann Thorac Med* 2017;12:121.
29. **Choi H**, Kim SY, Lee H, Jhun BW, Park HY, Jeon K, Kim DH, Huh HJ, Ki CS, Lee NY, Lee SH, Shin SJ, Daley CL, Koh WJ. Clinical Characteristics and Treatment Outcomes of Patients with Macrolide-Resistant Mycobacterium massiliense Lung Disease. *Antimicrob Agents Chemother* 2017;61.
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31. **Choi H**, Chon HR, Kim K, Kim S, Oh KJ, Jeong SH, Jung WJ, Shin B, Jhun BW, Lee H, Park HY, Koh WJ. Clinical and Laboratory Differences between Lymphocyte- and Neutrophil-Predominant Pleural Tuberculosis. *PLoS One* 2016;11:e0165428.
32. **Choi H**, Chang J, Shin HJ, Park CK, Oh IJ, Kim KS, Kim YC. Clinically beneficial continued treatment with gefitinib after asymptomatic progression of lung adenocarcinoma. *Thorac Cancer* 2015;6:224.

Publications as the co-author

1. Yoo JE, Kim D, **Choi H**, Kang YA, Han K, Lee H, Shin DW. Anemia, sarcopenia, physical activity, and the risk of tuberculosis in the older population: a nationwide cohort study. *Thorax* 2021;81:12.
2. Kim SH, **Choi H**, Lee H, Hong JY, Kim Y. Predicting unexpected deterioration of high-risk hospitalized patients during the COVID-19 pandemic: A multicenter cohort study. *Resuscitation* 2021;163:14.
3. Kim T, **Choi H**, Shin TR, Ko Y, Park YB, Kim HI, Jang SH, Jung KS, Kim Y, Lee MG, Chung S, Kim CH, Hyun IG, Sim YS. Epidemiology and clinical features of common community human coronavirus disease. *J Thorac Dis* 2021;13:2288.
4. Kang HK, Jung JW, Kang MJ, Kim DK, **Choi H**, Cho YJ, Jang SH, Lee CH, Oh YM, Park J, Kim JY. Hospitalization increases while economic status deteriorates in late stages of chronic obstructive pulmonary disease: the Korean National Health and Nutrition Examination Survey for 2007–2015. *J Thorac Dis* 2021;13:2160.
5. Gil HI, Yang B, Lee T, Kim MY, **Choi H**, Yoo H, Kim H, Kwon OJ, Chung SJ, Lee H. Clinical characteristics and treatment outcomes of Candida tracheobronchitis. *Medicine (Baltimore)* 2021;100:e24606.
6. Lee SJ, Ju S, You JW, Jeong YY, Lee JD, Kim HC, **Choi H**, Lee H, Oh YM, Ra SW. Trends in the Prevalence of Non-tuberculous Mycobacterial Infection in Patients with Non-Cystic Fibrosis Bronchiectasis in South Korea, 2012-2016. *Chest* 2021;159:959.
7. Kim HC, Suzuki M, Lim HF, Lan LTT, Nguyen HL, Wang JS, Lee KY, Lee JS, Oh YM, Lee SD, **Choi H**, Lee H, Lee SW. Survey of the management of patients with bronchiectasis: a pilot investigation in Asian populations. *Korean J Intern Med* 2020.
8. Kim HK, Lee H, Kim SH, **Choi H**, Lee JH, Lee JS, Lee SW, Oh YM. Validation of the Korean Version of the Bronchiectasis Health Questionnaire. *Tuberc Respir Dis* 2020;83:228.
9. Noh CS, Kim HI, **Choi H**, Kim Y, Kim CH, Choi JH, Hyun IG, Baek MS. Completion rate of latent tuberculosis infection treatment in patients aged 65 years and older. *Respir Med* 2019;157:52.
10. Yoon SH, Choi YD, Oh IJ, Kim KS, **Choi H**, Chang J, Shin HJ, Park CK, Kim YC. Peptide Nucleic Acid Clamping Versus Direct Sequencing for the Detection of EGFR Gene Mutation in Patients with Non-small Cell Lung Cancer. *Cancer Res Treat* 2015;47:661.
11. Kim WJ, Kim S, **Choi H**, Chang J, Shin HJ, Park CK, Oh IJ, Kim KS, Kim YC, Choi YD. Histological transformation from non-small cell to small cell lung carcinoma after treatment with epidermal growth factor receptor-tyrosine kinase inhibitor. *Thorac Cancer* 2015;6:800.
12. Kim M, Chang J, **Choi H**, Oh IJ, Park CK, Kim YC, Choi YD, Yun JS, Song SY, Na KJ. Pulmonary epithelioid hemangioendothelioma misdiagnosed as a benign nodule. *World J Surg Oncol* 2015;13:107.