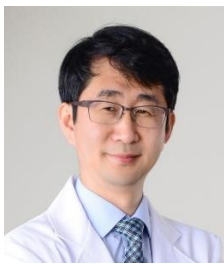




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<b>Country</b>	South Korea	
<b>Organization</b>	Ulsan University Hospital	
<b>Current Position</b>	Professor	

## Educational Background

1997	M.D., National University of Chungnam, College of Medicine
2008	Master of Medicine, University of Ulsan College of Medicine
2014	Ph.D., University of Ulsan College of Medicine

## Medical License

1998	Medical Doctor (# 64401)
2007	Board of Internal Medicine (# 10444)
2009	Subspecialty Board of Pulmonology (#3-09-381)
2012	Subspecialty Board of Critical Care Medicine (#1211)

## Professional Experiences

1999-2002	Military Doctor Service
1998-1999	Internship, Asan Medical Center, University of Ulsan College of Medicine
2003-2007	Medical Resident, Department of Internal Medicine, Asan Medical Center
2007-2009	Fellowship, Pulmonology and Critical Care Medicine, Asan Medical Center
2009.3-present	Professor, Division of Pulmonology, Department of Internal Medicine, Ulsan University Hospital, University of Ulsan College of Medicine
2015.3-2017.2	Visiting scientist, Centre for Heart Lung Innovation, St. Paul's Hospital, University of British Columbia, Vancouver, BC, Canada

## Professional Organizations

2012-present	A member of Korean Society of Critical Care Medicine
2013-present	A member of American Thoracic Society
2014-present	A member of European Respiratory Society

## <The Korean Academy of Tuberculosis and Respiratory Diseases>

2019-present	A member of the Legislation & Ethics Board
2021-present	Associate editor of the TRD Editorial Board
2023-present	A member of the Research Board
2023-present	A vice-director of the Relations & Development



## Main Scientific Publications

1. Ko EJ, Lee JH, Lee HY, Lee SH, Lee HJ, Chae G, Lee SW, **Ra SW**. Correlation Comparison and Personalized Utility of Field Walking Tests in Assessing the Exercise Capacity of Patients with Chronic Obstructive Pulmonary Disease: A Randomized Controlled Trial. *J. Pers. Med.* 2022;12(6).
2. Chae G, Ko EJ, Lee SW, Kim HJ, Kwak SG, Park D, **Ra SW**. Stronger correlation of peak oxygen uptake with distance of incremental shuttle walk test than 6-min walk test in patients with COPD: a systematic review and meta-analysis. *BMC Pulm Med* 2022;22:102.
3. Kim Y, Kim K, Rhee CK, **Ra SW**. Increased hospitalizations and economic burden in COPD with bronchiectasis: a nationwide representative study. *Sci Rep* 2022;12:3829.
4. Pak C, Cowl CT, Kim JH, Kang BJ, Lee T, Jegal Y, **Ra SW**, Kim Y. Reduced Diffusing Capacity in Humidifier Disinfectant-Associated Asthma Versus Typical Asthma: A Retrospective Case Control Study. *J. Korean Med. Sci.* 2022; 37: e319.
5. Sul OJ, Choi HW, Oh J, **Ra SW**. GSPE attenuates CSE-induced lung inflammation and emphysema by regulating autophagy via the reactive oxygen species/TFEB signaling pathway. *Food Chem. Toxicol.* 2023; 177: 113795.
6. Oh J, Yu G, **Ra SW**. Clinical Implications of the Controlling Nutritional Status Score on Short-term Outcomes in Patients with Pleural Infection. *Intern. Med.* 2023; 62: 1591-8.
7. Sul OJ, Kim JH, Lee T, Seo KW, Cha HJ, Kwon B, Ahn JJ, Cho YS, Oh YM, Jegal Y, Ra SW. GSPE Protects against Bleomycin-Induced Pulmonary Fibrosis in Mice via Ameliorating Epithelial Apoptosis through Inhibition of Oxidative Stress. *Oxid Med Cell Longev* 2022;2022:8200189.
8. Yoo J, Jung CY, Na JO, Kim TH, Oh YM, Ra SW. Bacterial etiology and pneumococcal urinary antigen in moderate exacerbation of chronic obstructive pulmonary disease. *J Thorac Dis* 2022;14:2532-43.
9. Ra SW, Lee T, Cha HJ, Park CR, Baek J, Chee Y, Kwon WJ. Rotation aiding technique for endobronchial ultrasound-guided transbronchial needle aspiration biopsy of intrathoracic lymph nodes: A complementary approach to the conventional jabbing method. *Thorac Cancer* 2022;13:1712-8.
10. Ock M, Shin JS, Ra SW. Safety and Effectiveness of Varenicline in Korean Smokers: A Nationwide Post-Marketing Surveillance Study. *Patient Prefer Adherence* 2022;16:413-26.
11. Sul OJ, **Ra SW**. Quercetin Prevents LPS-Induced Oxidative Stress and Inflammation by Modulating NOX2/ROS/NF-κB in Lung Epithelial Cells. *Molecules* 2021;26:6949.
12. **Ra SW**, Kim SY, Lim YY, Park SJ, Rhee CK, Kim DK, Park YB, Lee CY, Yoon HK, Park JW, Yoo KH. The safety and efficacy of CKD-497 in patients with acute upper respiratory tract infection and bronchitis symptoms: a multicenter, double-blind, double-dummy, randomized, controlled, phase II clinical trial. *J Thorac Dis* 2021;13:1-9.