

[Curriculum Vitae]

Jung-Won Park, MD, PhD

Education and Training

1982 ~ 1988, Student of Yonsei University College of Medicine, Seoul, Korea

1989 ~ 1992, Internship and Resident program at Dept. Internal Medicine,
Severance Hospital, Seoul, Korea

1995 ~ 1997, Fellowship program for Allergy and Immunology at Dept. Internal medicine,
Severance Hospital, Seoul, Korea

2001 ~ 2003, Research Associate, Division of Cell Biology, Department of Pediatrics,
National Jewish Medical & Research Center, Denver, USA

Professional Experience

1997 ~ Present, Instructor, Assistant Professor, Associate Professor, and Professor of Dept
Internal Medicine, Severance Hospital, College of Medicine, Yonsei University

2005 ~ Present, Chief of Allergy and Immunology Division, Severance Hospital

2014 ~ Present, Editor in Chief of Yonsei Medical Journal

2015 ~ Present, President of Institute of Allergy Yonsei University.

2017~ Mar. 2020, Head of Educational Committee of Korean Association of Medical Journal Editors

2019~ Present, President of Korean Society for Pharmacoepidemiology and Risk
Management

2020 ~ Present, Vice President of The Korean Association of Internal Medicine.

Publications

1. Park YH, Oh EY, Han H, Yang M, Park JJ, Park KH, Lee JH, Park J-W. Insulin resistance mediates high-fat diet induced pulmonary fibrosis and airway hyperresponsiveness through the TGF- β 1

pathway. *Exp Mol Medicine* 2019;51:59

2. Kim SR, Park KH, Lee JH, Kim BJ, Hwang JH, Lim KJ, Park JW. Validation of PROTIA™ Allergy-Q 64 Atopy® as a Specific IgE Measurement Assay for 10 Major Allergen Components. *Allergy Asthma Immunol Res* 2019 11:422-432
3. Park KH, Lee SC, Yuk JE, Kim SR, Lee JH, Park JW. Eperisone-Induced Anaphylaxis: Pharmacovigilance Data and Results of Allergy Testing. *Allergy Asthma Immunol Res.* 2019 Mar; 11(2): 231–240
4. Park KH, Lee J, Lee JY, Lee SC, Shim DW, Shin JU, Park CO, Lee JH, Jeong KY, Park JW. Sensitization to various minor house dust mite allergens is greater in patients with atopic dermatitis than in those with respiratory allergic disease. *Clin Exp Allergy* 2018;48:1050-58.
5. Lee SC, Sim DW, Lee J, Jeong KY, Park KH, Lee JH, Kim JD, Park JW. Comparison between Newly Developed and Commercial Inhalant Skin Prick Test Reagents Using In Vivo and In Vitro Methods. *J Korean Med Sci* 2018; 26;33(13):e101.
6. Lee JY, Yang M, Jeong KY, Sim DW, Park JH, Park KH, Lee JH, Park JW. Characterization of a Major Allergen from Mongolian Oak, *Quercus mongolica*, a Dominant Species of Oak in Korea. *Int Arch Allergy Immunol.* 2017;174(2):77-85.
7. Jeong KY, Park KH, Lee JH, Park JW. Monoclonal Antibodies to Recombinant Fag e 3 Buckwheat Allergen and Development of a Two-site ELISA for Its Quantification. *Allergy Asthma Immunol Res.* 2017 Sep;9(5):417-422.
8. Park KH, Lee J, Lee SC, Son YW, Sim DW, Lee JH, Park JW. Comparison of the ImmunoCAP Assay and AdvanSure™ AlloScreen Advanced Multiplex Specific IgE Detection Assay. *Yonsei Med J.* 2017 Jul;58(4):786-792.
9. Sim DW, Lee JS, Park KH, Jeong KY, Ye YM, Lee JH, Park JW. Accurate assessment of alpha-gal syndrome using cetuximab and bovine thyroglobulin-specific IgE. *Mol Nutr Food Res.* 2017

Oct;61(10). doi: 10.1002/mnfr.201601046.

10. Jeong KY, Han IS, Lee JY, Park KH, Lee JH, Park JW. Role of tropomyosin in silkworm allergy. *Mol Med Rep*. 2017 May;15(5):3264-3270.
11. Sim DW, Park KH, Lee JH, Park JW. A Case of Type 2 Hereditary Angioedema With SERPING1 Mutation. *Allergy Asthma Immunol Res*. 2017 Jan;9(1):96-98.
12. Kim SR, Lee JH, Park KH, Park JW. Varied incidence of immediate adverse reactions to low-osmolar non-ionic iodide radiocontrast media used in computed tomography. *Clin Exp Allergy* 2017; 47: 106-112.
13. Jeong KY, Han IS, Lee JY, Park KH, Lee JH, Park JW. Role of tropomyosin in silkworm allergy. *Molecular Med Rep*. 2017; 15:3264-3270.
14. Park KH, Lee SC, Son YW, Different responses in induction of allergen specific immunoglobulin G4 and IgE blocking actors for three mite subcutaneous immunotherapy products. *Yonsei Med J*. 2016; 57: 1427-1434.
15. Park KH, Son YW, Lee SC, Jeong K, Shim DW, Park HJ, Lee S, Lee JH, Park JW. Clinical significance of component allergens in Fagales pollen sensitized peanut allergy in Korea. *Allergy Asthma Immunol Res* 2016; 8:505-11.
16. Kim SR, Park HJ, Park KH, Lee JH, Park JW. IgE sensitization patterns to commonly consumed foods determined by skin prick test in Korean adults. *J Korean Med Sci* 2016; 31: 1197-1201.
17. Jeong KY, Son MN, Park JH, Park KH, Park HJ, Lee JH, Hong CS, Park JW. Cross-reactivity between oak and birch pollens in Korean tree pollinosis. *J Korean Med Sci* 2016; 31: 1202-1207.
18. Park KH, Pai J, Song DG, Sim DW, Park HJ, Lee JH, Jeong KY, Pan CH, Shin I, Park JW. Ranitidine-induced anaphylaxis: Clinical features, cross-reactivity, and skin testing. *Clin Exp Allergy* 2016; 46:631-9.
19. Park HJ, Lee JH, Park YH, Han H, Sim da W, Park KH, Park JW. Roflumilast Ameliorates Airway

- Hyperresponsiveness Caused by Diet-Induced Obesity in a Murine Model. *Am J Respir Cell Mol Biol* 2016; 55:82-91.
20. Jeong KY, Yi MH, Son M, Lyu D, Lee JH, Yong TS, Park JW. IgE Reactivity of Recombinant Pac c 3 from the Asian Needle Ant (*Pachycondyla chinensis*). *Int Arch Allergy Immunol* 2016; 169:93-100.
 21. Jeong KY, Son M, Lee JY, Park KH, Lee JH, Park JW. Allergenic Characterization of 27-kDa Glycoprotein, a Novel Heat Stable Allergen, from the Pupa of Silkworm, *Bombyx mori*. *J Korean Med Sci* 2016; 31:18-24.
 22. Park HJ, Lee JH, Kim SR, Kim SH, Park KH, Lee CK, Kang BD, Beom SH, Shin SJ, Jung M, Park JW. A New Practical Desensitization Protocol for Oxaliplatin-Induced Immediate Hypersensitivity Reactions: A Necessary and Useful Approach. *J Invest Allergol Clin Immunol* 2016;26:168-76.
 23. Lee JH, Park HJ, Park KH, Jeong KY, Park JW. Performance of the PROTIA™ Allergy-Q® System in the Detection of Allergen-specific IgE: A Comparison With the ImmunoCAP® System. *Allergy Asthma Immunol Res* 2015;7:565-72.
 24. Jeong KY, Son M, Choi SY, Park KH, Park HJ, Hong CS, Lee JH, Park JW. Standardization of Weed Pollen Extracts, Japanese Hop and Mugwort, in Korea. *Yonsei Med J* 2016;57:399-406.
 25. Kim JY, Sohn JH, Lee JH, Park JW. Obesity increases airway hyperresponsiveness via the TNF- α pathway and treating obesity induces recovery. *PLoS One* 2015; 10:e0116540
 26. Jeong KY, Lee JY, Son M, Yi MH, Yong TS, Shin JU, Lee KH, Kim YJ, Park KH, Park HJ, Lee JH, Park JW. Profiles of IgE Sensitization to Der f 1, Der f 2, Der f 6, Der f 8, Der f 10, and Der f 20 in Korean House Dust Mite Allergy Patients. *Allergy Asthma Immunol Res* 2015; 7:483-8.
 27. Park KH, Son M, Choi SY, Park HJ, Lee JH, Jeong KY, Lee JS, Park JW. In vitro evaluation of allergen potencies of commercial house dust mite sublingual immunotherapy reagents. *Allergy Asthma Immunol Res*. 2015; 7:124-9.

28. Jeong KY, Son M, Lee JH, Hong CS, Park JW. Allergenic characterization of a novel allergen, homologous to chymotrypsin, from german cockroach. *Allergy Asthma Immunol Res* 2015; 7:283-9.
29. Park HJ, Lee JH, Park KH, Ann HW, Jin MN, Choi SY, Lee YW, Hong CS, Park JW. A nationwide survey of inhalant allergens sensitization and levels of indoor major allergens in Korea. *Allergy Asthma Immunol Res*. 2014; 6 (3):222-7.
30. Jeong KY, Lee JH, Kim EJ, Lee JS, Cho SH, Hong SJ, Park JW. Current status of standardization of inhalant allergen extracts in Korea. *Allergy Asthma Immunol Res*. 2014; 6(3):196-200.
31. Son M, Jeong KY, Kim BJ, Lim KJ, Lee JH, Park JW. IgE reactivity to *Acarus siro* extract in Korean dust mite allergic patients. *Exp Appl Acarol*. 2014; 63(1):57-64.
32. Jeong KY, Han IS, Choi SY, Lee JH, Lee JS, Hong CS, Park JW. Allergenicity of recombinant profilins from Japanese hop, *Humulus japonicus*. *J Investig Allergol Clin Immunol*. 2013; 23(5):345-50.
33. Jeong KY, Choi SY, Han IS, Lee JH, Lee JS, Hong CS, Park JW. The effects of storage conditions on the stability of house dust mite extracts. *Allergy Asthma Immunol Res*. 2013; 5(6):397-401.
34. Lee JH, Sohn JH, Ryu SY, Hong CS, Moon KD, Park JW. A novel human anti-VCAM-1 monoclonal antibody ameliorates airway inflammation and remodelling. *J Cell Mol Med*. 2013; 17(10):1271-81.
35. Jeong KY, Choi SY, Lee JH, Lee JS, Yong TS, Hong CS, Park JW. Preparation and characterization of an extract of german cockroach from a korean source. *Allergy Asthma Immunol Res*. 2013; 5(2):102-5.
36. Lee JH, Park KH, Park JW, Hong CS. YKL-40 in induced sputum after allergen bronchial provocation in atopic asthma. *J Investig Allergol Clin Immunol*. 2012; 22(7):501-7.
37. Kim JY, Sohn JH, Choi JM, Lee JH, Hong CS, Lee JS, Park JW. Alveolar macrophages play a key role in cockroach-induced allergic inflammation via TNF- α pathway. *PLoS One*. 2012;7(10):e47971.
38. Lee JH, Park KH, Kim H-S, Kim K-W, Sohn M-H, Kim C-H, Lee J-S, Hong C-S, Park J-W. Specific IgE measurement using AdvanSure®system: Comparison of detection performance with ImmunoCAP®system in Korean allergy patients. *Clinica Chimica Acta*. 2012; 413: 914-919

39. Jeong KY, Lee IY, Yong TS, Lee JH, Kim EJ, Lee JS, Hong CS, Park J-W. Sequence polymorphisms of Der f 1, Der p 1, Der f 2 and Der p 2 from Korean house dust mite isolates. *Exp Appl Acarol* 2012; 58: 35-42.
40. Shin YS, Sohn J-H, Kim J-Y, Lee JH, Cho S-H, Hong S-J, Lee J-S, Hong C-S, Park J-W. Endotoxin Is Not Essential for the Development of Cockroach Induced Allergic Airway Inflammation. *Yonsei Med J* 2012; 53: 593-602.
41. Jeong KY, Hong C-S, Lee J-S, Park J-W. Optimization of allergen standardization. *Yonsei Med J* 2011; 52:393-400.
42. Lee JH, Lee YW, Shin YS, Jung YH, Hong CS, Park JW. Exercise-induced airway obstruction in young asthmatics measured by impulse oscillometry. *J Investig Allergol Clin Immunol* 2010; 20:575-81.
43. Agrawal SR, Kim HJ, Lee YW, Sohn JH, Lee JH, Kim YJ, Lee SH, Hong CS, Park JW. Effect of an air cleaner with electrostatic filter on the removal of airborne house dust mite allergens. *Yonsei Med J* 2010; 51:918-923.
44. Lee EK, Jeong KY, Lyu D-P, Lee Y-W, Sohn J-H, Lim K-J, Hong C-S, Park J-W. Characterization of the major allergens of *Pachycondyla chinensis* in ant sting anaphylaxis patients. *Clin Exp Allergy* 2009; 39: 602-607
45. Park JW, Min HJ, Sohn JH, Kim JY, Hong JH, Sigrist KS, Glimcher LG, Hwang ES. Restoration of T-bet expression in T cells protects against allergen-induced asthma. *J Allergy Clin Immunol* 2009; 123:479-85.
46. Lee YW, Sohn JH, Lee J-H, Hong C-S, Park J-W. Allergen-specific IgE measurement with Immulite 2000 system: intermethod comparison of detection performance for allergen-specific IgE antibodies from Korean allergic patients. *Clin Chimica Acta* 2009; 401:25-32
47. Choi SY, Lee IY, Sohn JH, Lee YW, Shin YS, Yong TS, Hong CS, Park JW. Optimal conditions for

- the removal of house dust mite, dog dander, and pollen allergens using mechanical laundry. *Ann Allergy Asthma Immunol* 2008; 100: 583-588.
48. Lee YW, Choi SY, Lee EK, Sohn JH, Park J-W, Hong C-S. Cross-allergenicity of pollens from the Compositae family: *Artemisia vulgaris*, *Dendranthema grandiflorum*, and *Taraxacum officinale*. *Ann Allergy Asthma Immunol* 2007; 99:526-533.
49. Choi S-Y, Sohn J-H, Lee Y-W, Hong C-S, Park J-W. Application of the 16-kDa buckwheat 2 S storage albumin protein for diagnosis of clinical reactivity. *Ann Allergy Asthma Immunol* 2007; 99:254-260.
50. Choi S-Y, Sohn J-H, Lee Y-W, Hong C-S, Park J-W. Characterization of buckwheat 19-kD allergen and its application for diagnosing clinical reactivity. *Int Arch Allergy Immunol* 2007; 144:267-274.
51. Park JW, Lee Y-W, Jung Y-H, Park S-E, Hong C-S. Impulse oscillometer for estimation of airway obstruction and bronchodilation in adults with mild obstructive asthma. *Ann Allergy Asthma Immunol* 2007; 98:546-552.
52. Park JW, Yang YY, Kim CW, Kim KS, Hong CS. Avoidance therapy in reactive dye-induced occupational asthma> long-term follow-up. *Annals of Allergy Asthma Immunol* 2006; 97:551-556.
53. Dakhama A, Park JW (Equally contributed), Taube C, Joetham A, Balhorn A, Miyahara N, Takeda K, Gelfand EW. The enhancement or prevention of airway hyperresponsiveness during reinfection with respiratory syncytial virus is critically dependent on the age at first infection and IL-13 production. *J Immunol*. 2005; 175:1876-83
54. Park JW, Taube C, Swasey C, Kodama T, Joetham A, Balhorn A, Takeda K, Miyahara N, Allen CB, Dakhama A, Kim SH, Dinarello CA, Gelfand EW. IL-1 Receptor antagonist attenuates airway hyperresponsiveness following exposure to ozone. *Am J Respir Cell Mol Biol* 2004; 30:830-6
55. Park JW, Taube C, Joetham A, Takeda K, Kodama T, Dakhama A, McConville G, Allen CB, Sfyroera G, Schultz LD, Lambris JD, Giclas PC, Holers VM, Gelfand EW. Complement activation

is critical to airway Hyperresponsiveness following acute ozone exposure. *Am J Respir Crit Care Med* 2004; 169:726-732

56. Park JW, Taube C, Yang ES, Joetham A, Balhorn A, Takeda K, Miyahara N, Dakhama A, Donaldson DD, Gelfand EW. RSV-induced airway hyperresponsiveness is independent of IL-13 compared to that induced by allergen. *J Allergy Clin Immunol*. 2003; 112:1078-87.
57. Park JW, Kim CW, Kang DB, Lee IY, Choi SY, Yong TS, Shin DC, Kim KE, Hong C-S. Low-flow, Long-term air sampling under normal domestic activity to measure house dust mite and cockroach allergens. *J invest Allergol Clin Immunol* 2002; 12:293-8
58. Park JW, Kim KS, Jin HS, Kim CW, Kang DB, Choi SY, Yong TS, Oh SH, Hong C-S. Der p 2 isoallergens have different allergenicity and quantification with 2-site ELISA using monoclonal antibodies is influenced by the isoallergens. *Clin Exp Allergy* 2002; 32:1042-7
59. Park JW, Kang DB, Choi SY, Kim CW, Kim KS, Hong CS. Heterogeneity of IgE epitopes of vinyl sulphone reactive dye: human serum albumin that react with IgE. *Clin Exp Allergy* 2001; 31:1779-86.
60. Park JW, Kim CW, Kim KS, Choi SY, Kang DB, Ko SH, Won JU, Yang JY, Hong C-S. Role of skin prick test and serological measurement of specific IgE in the diagnosis of occupational asthma resulting from exposure to vinyl sulphone reactive dyes. *Occup Environ Med*. 2001; 58:411-6.
61. Park JW, Kang DB, Kim CW, Ko SH, Jeoung B-J, Hong CS. Identification and characterization of buckwheat major allergens. *Allergy* 2000; 55:1035-41.
62. Yun YY, Park JW, Ko SH, Kim CW, Hong C-S. IgE immune response to Ginkgo biloba pollen. *Ann Allergy Asthma Immunol* 2000; 85:298-302.
63. Yun YY, Ko SH, Park JW, Lee I-Y, Ree HI, Hong CS. Comparison of allergenic components between German cockroach whole body and fecal extracts. *Ann Allergy Asthma Immunol* 2001; 86:551-6

64. Park JW, Ko SH, Kim CW, Jeoung B-J, Hong CS. Identification and characterization of the major allergen of the *Humulus japonicus* pollen. *Clin Exp Allergy* 1999; 29: 1080-6 1999
65. Yun YY, Ko SH, Park JW, Hong CS. Anaphylaxis to venom of the *Pachycondyla* species ant. *J Allergy Clinical Immunol.* 104:879-82, 1999
66. Park JW, Ko SH, Yong T-S, Ree HI, Jeoung B-J, Hong C-S. Cross-reactivity of *Tyrophagus putrescentiae* with *Dermatophagoides farinae* and *Dermatophagoides pteronyssinus* in urban areas. *Ann Allergy, Asthma & Immunol.* 83:533-9, 1999
67. Park JW, Ko SH, Kim CW, Bae SW, Hong C-S. Seminal plasma anaphylaxis: a successful pregnancy after intravaginal desensitization and immunodetection of allergens. *Allergy*, 54:990-3, 1999
68. Park JW, Whang YW, Kim CW, Hong CS. Eosinophil percentage and eosinophil cationic protein (ECP) concentration of induced sputum for the diagnosis and assessment of airway inflammation in bronchial asthma. *Allergy Asthma Proceeding.* 19:61-67, 1998
69. Park JW, Hong YK, Kim CW, Kim DK, Choe KO, Hong CS. High-resolution computed tomography in patients with bronchial asthma: Correlation with clinical features, pulmonary functions and bronchial hyperresponsiveness. *J Invest Allergol Clin Immunol* 7:186-192, 1997

