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<b>Country</b>	Japan	
<b>Organization</b>	Toho University	
<b>Current Position</b>	Professor, Department of Internal Medicine, Division of Respiratory Medicine, Toho University School of Medicine Director, Hospital Infection Risk Management Office, Toho University Ohashi Medical Center	

### Educational Background

1989	M.D. Oita Medical College.
1996	Ph.D. Nagasaki University School of Medicine.
1997-1999	Post doctoral fellow, Division of Allergy and clinical Immunology, University of South Florida.

### Professional Experiences

- 2001- Assistant Professor, Second Department of Internal Medicine, Nagasaki University School of Medicine.
- 2006- Senior Assistant Professor, Second Department of Internal Medicine, Nagasaki University School of Medicine.
- 2007- Associate Professor, Clinical Trials Management Center, Nagasaki University Hospital.
- 2009- Associate Professor, Second Department of Internal Medicine, Nagasaki University School of Medicine.
- 2014- Professor, Department of Internal Medicine, Division of Respiratory Medicine, Toho University School of Medicine

### Professional Organizations

- Japanese Society of Internal Medicine
- Japanese Society of Respiratory Medicine
- Japanese Society of Allergology
- Japanese Society of Infectious Disease
- Japanese Society of Clinical Physiology

### Main Scientific Publications

1. Okada N, Yamamoto Y, Oguma T, Tanaka J, Tomomatsu K, Shiraishi Y, Matsuse H, Shimoda T, Kimura H, Watai K, Harada T, Fujita Y, Obase Y, Suzukawa M, Suzuki J, Takayanagi N, Ishiguro T, Masaki K, Fukunaga K, Asano. Allergic bronchopulmonary aspergillosis with atopic, nonatopic, and sans asthma-Factor analysis. *Allergy*. 2023 Jul 17. doi: 10.1111/all.15820. Online ahead of print.
2. Kodaka N, Nakano C, Oshio T, Watanabe K, Niitsuma K, Imaizumi C, Hirouchi T, Yoshida Y, Yamada Y, Matsuse H. Waterproofing Spray-Associated Lung Injury Review: Differences between Cases of Early and Delayed Improvement of Waterproofing Spray-Associated Lung Injury. (*J. Clin. Med.* 2023, 12, 2404. [https:// doi.org/10.3390/jcm12062404](https://doi.org/10.3390/jcm12062404))
3. Kodaka N, Nakano C, Oshio T, Watanabe K, Niitsuma K, Imaizumi C, Shimada N, Morita H, Matsuse H. Effectiveness of mucus plug removal by bronchoscopy for typical high-attenuation mucus with allergic bronchopulmonary mycosis. (*Allergol Int* 2021: S1323-8930(21)00077-0. doi: 10.1016/j.alit.2021.07.001)
4. Kodaka N, Nakano C, Oshio T, Watanabe K, Niitsuma K, Imaizumi C, Shimada N, Morita H, Matsuse H. Association between serum anti-glycopeptidolipid-core IgA antibody titers and clinical

- characteristics of *Mycobacterium avium* complex pulmonary disease. (International Journal of Infectious Diseases 2021; 109: 155-159)
5. Kodaka N, Nakano C, Oshio T, Watanabe K, Niitsuma K, Imaizumi C, Shimada N, Morita H, Matsuse H. Exacerbating factors in elderly patients with *Mycobacterium avium* complex pulmonary disease. (Epidemiol Infect. 2021 Apr 27;149:e117. doi: 10.1017/S0950268821000960)
  6. Kodaka N, Nakano C, Oshio T, Watanabe K, Niitsuma K, Imaizumi C, Matsuse H. Predictors of radiological aggravations of pulmonary MAC disease. (PLoS One 15(8): e0237071: 2020)
  7. Asano K, Hebisawa A, Ishiguro T, Takayanagi N, Nakamura Y, Suzuki J, Okada N, Tanaka J, Fukutomi Y, Ueki S, Fukunaga K, Konno S, Matsuse H, Kamei K, Taniguchi M, Shimoda T, Oguma T and Japan ABPM research program. New Clinical Diagnostic Criteria for Allergic Bronchopulmonary Aspergillosis/Mycosis and its Validation. (J Allergy Clin Immunol 2020. doi: 10.1016/j.jaci.2020.08.029.)
  8. Oguma T, Taniguchi M, Shimoda T, Kamei K, Matsuse H, Hebisawa A, Takayanagi S, Konno S, Fukunaga K, Harada K, Tanaka J, Tomomatsu K, Asano K. Allergic bronchopulmonary aspergillosis in Japan: a nationwide survey. (Allergol Int. 2017. pii: S1323-8930(17)30052-7. doi: 10.1016/j.alit.2017.04.011)
  9. Shimoda T, Obase Y, Matsuse H, Asai S, Iwanaga T. The pathogenesis of alcohol-induced airflow limitation in acetaldehyde dehydrogenase 2 (ALDH2)-deficient mice. (Int Arch Allergy Immunol 2016; 171: 276-284.)
  10. Fukahori S, Matsuse H, Tsuchida T, Kawano T, Fukushima C, Kohno S. Clearance of *Aspergillus fumigatus* is impaired in airways with an allergic inflammation. (Ann Allergy Asthma Immunol 2014;113:180-186)
  11. Matsuse H, Kohno S. Leukotriene receptor antagonists Pranlukast and Montelukast for treating asthma. (Exp Opin Pharmaco 2014; 15: 353-363)
  12. Matsuse H, Tsuchida T, Fukahori S, Kawano T, Nishino T, Fukushima C, Kohno S. Dissociation between sensitizing and colonizing fungi in patients with allergic bronchopulmonary aspergillosis. (Ann Allergy Asthma Immunol 2013; 111: 190-193)
  13. Matsuse H, Tsuchida T, Fukahori S, Kawano T, Tomari S, Matsuo N, Nishino T, Fukushima C, Kohno S. Differential airway inflammatory responses in asthma exacerbations induced by respiratory syncytial virus and influenza virus. (Int Arch Allergy Immunol 2013; 161: 378-382)
  14. Matsuse H, Fukushima C, Fukahori S, Tsuchida T, Kawano T, Nishino T, Kohno S. Differential effects of dexamethasone and itraconazole on *Aspergillus fumigatus*-exacerbated allergic airway inflammation in a murine model of mite-sensitized asthma. (Respiration 2013; 85: 429-35)
  15. Matsuse H, Fukahori S, Tsuchida T, Kawano T, Tomari S, Matsuo N, Nishino T, Fukushima C, Kohno S. Effects of a short-course of pranlukast in combination with systemic corticosteroid on acute asthma exacerbation induced by upper respiratory tract infection. (Journal of Asthma 2012; 49: 637-641)
  16. Tsuchida T, Matsuse H, Fukahori S, Kawano T, Tomari S, Fukushima C, Kohno S. Effect of Respiratory Syncytial Virus Infection on Plasmacytoid Dendritic Cell- Regulation of Allergic Airway Inflammation. (Int Arch Allergy Immunol 2011; 5: 157: 21-30)
  17. Fukahori S, Matsuse H, Tsuchida T, Kawano T, Tomari S, Fukushima C, Kohno S. *Aspergillus fumigates* Regulates Mite Allergen-pulsed Dendritic Cells in the Development of Asthma. (Clin Exp Allergy 2010; 40: 1507-1515)
  18. Hirose H, Matsuse H, Fukahori S, Tsuchida T, Kawano T, Fukushima C, Mizuta Y, Kohno S. Effects of repeated respiratory syncytial virus infections on pulmonary dendritic cells in asthma model. (Int Arch Allergy Immunol 2008; 147: 197-205)
  19. Hirose H, Matsuse H, Tsuchida T, Fukahori S, Fukushima C, Mizuta Y, Kohno S. Cytokine production from peripheral blood mononuclear cells of mite-allergen-sensitized atopic adults stimulated with respiratory syncytial virus and mite allergen. (Int Arch Allergy Immunol 2008; 146: 149-155)
  20. Matsuse H, Yanagihara K, Mukae H, Tanaka K, Nakazato M, Kohno S. Association of plasma neutrophil elastase levels with other inflammatory mediators and clinical features in adult patients with moderate and severe pneumonia. (Resp Med 2007; 107: 1521-1528)

21. Matsuse H, Kondo Y, Machida I, Kawano T, Saeki S, Tomari S, Obase Y, Fukushima C, Mizuta Y, Kohno S. Effects of anti-inflammatory therapies for recurrent and low-grade respiratory syncytial virus infections in a murine model of asthma. (*Ann Allergy Asthma Immunol* 2006; 97: 55-60)
22. Matsuse H, Kondo Y, Saeki S, Nakata H, Fukushima C, Mizuta Y, Kohno S. Naturally occurring parainfluenza virus 3 infection in adults induces mild exacerbation of asthma associated with increased sputum concentrations of cysteinyl leukotrienes (*Int Arch Allergy Immunol* 2005; 138: 267-272)
23. Machida I, Matsuse H, Kondo Y, Kawano T, Saeki S, Tomari S, Obase Y, Fukushima C, Mizuta Y, Kohno S. Effects of anti-asthmatic agents on mite allergen pulsed murine bone marrow-derived dendritic cells. (*Clin Exp Allergy* 2005; 35: 884-888)
24. Fukushima C, Matsuse H, Hishikawa Y, Kondo Y, Machida I, Saeki S, Kawano T, Tomari S, Obase Y, Shimoda T, Koji T, Kohno S. Pranlukast, a leukotriene receptor antagonist, inhibits interleukin-5 production via a mechanism distinct from leukotriene receptor antagonism. (*Int Arch Allergy Immunol* 2005; 136: 165-172)
25. Kawano T, Matsuse H, Kondo Y, Machida I, Saeki S, Tomari S, Mitsuta K, Fukushima C, Obase Y, Shimoda T, Kohno S. Tacrolimus reduces urinary excretion of leukotriene E<sub>4</sub> and inhibits aspirin-induced asthma to threshold dose of aspirin. (*J Allergy Clin Immunol* 2004; 114: 1278-1281)
26. Saeki S, Matsuse H, Kondo Y, Machida I, Kawano T, Tomari S, Obase Y, Fukushima C, Kohno S. Effects of anti-asthmatic agents on the functions of peripheral blood monocyte-derived dendritic cells from atopic patients. (*J Allergy Clin Immunology* 2004; 114: 538-544)
27. Kondo Y, Matsuse H, Machida I, Kawano T, Saeki S, Tomari S, Obase Y, Fukushima C, Kohno S. Effects of primary and secondary low-grade respiratory syncytial virus infections in a murine model of asthma. (*Clin Exp Allergy* 2004; 34: 1307-1313)
28. Kawano T, Matsuse H, Kondo Y, Machida I, Saeki S, Tomari S, Mitsuta K, Obase Y, Fukushima C, Shimoda T, Kohno S. Acetaldehyde induces histamine release from human airway mast cells to cause bronchoconstriction. (*Int Arch Allergy Immunol* 2004; 134(3): 233-239)
29. Machida I, Matsuse H, Kondo Y, Kawano T, Saeki S, Tomari S, Obase Y, Fukushima C, Kohno S. Cysteinyl leukotrienes regulate dendritic cell functions in a murine model of asthma. (*J Immunol* 2004; 172: 1833-1838)
30. Kondo Y, Matsuse H, Machida I, Kawano T, Saeki S, Tomari S, Obase Y, Fukushima C, Kohno S. Regulation of mite allergen pulsed murine dendritic cells by respiratory syncytial virus. (*Am J Resp Crit Care Med* 2004; 169: 494-498)
31. Kawano T, Matsuse H, Kondo Y, Machida I, Saeki S, Tomari S, Mitsuta K, Obase Y, Fukushima C, Shimoda T, Kohno S. Cysteinyl leukotrienes induce NF- $\kappa$ B activation and RANTES production in a murine model of allergic asthma. (*J Allergy Clin Immunol* 2003; 112: 369-374)
32. Tomari S, Matsuse H, Machida J, Kondo Y, Kawano T, Obase Y, Fukushima C, Shimoda T, Kohno S. Pranlukast, a cysteinyl leukotriene receptor 1 antagonist, attenuates allergen specific TNF- $\alpha$  production and NF- $\kappa$ B nuclear translocation in peripheral blood monocytes from atopic asthmatics. (*Clin Exp Allergy* 2003; 33: 795-801)
33. Matsuse H, X. Kong, J. Hu, S.F. Wolf, R.F. Lockey, S.S. Mohapatra. Intranasal IL-12 produces discreet pulmonary and systemic effects on allergic inflammation and airway reactivity. (*Int Immunopharmacol* 2003; 4: 457-468)
34. Matsuse H, Shimoda T, Fukushima C, Mitsuta K, Kawano T, Tomari S, Saeki S, Kondoh Y, Machida I, Obase Y, Asai S, Kohno S. Screening for Acetaldehyde Dehydrogenase-2 Genotype in Alcohol-induced Asthma by the Ethanol Patch Test. (*J Allergy Clin Immunol* 2001; 108: 715-719)
35. Matsuse H, A.K. Behera, M. Kumar, R.F. Lockey, and S.S. Mohapatra. Differential cytokine mRNA expression in *Dermatophagoides farinae* allergen-sensitized and respiratory syncytial virus-infected mice. (*Microbes and Infection*. Vol 2. Issue 7. 753-760. 2000)
36. Matsuse H, A.K. Behera, M. Kumar, H. Rabb, R.F. Lockey, and S.S. Mohapatra. Recurrent respiratory syncytial virus infections in allergen-sensitized mice lead to persistent airway inflammation and hyperresponsiveness. (*J Immunol* 164. 6583-6592. 2000)