



KARADENİZ TECHNİK ÜNİVERSİTİ, MEDICAL FACULTY

Dr. Müge ERBAY

Speciality: Immunology and Allergy,
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EDUCATION AND TRAINING ACTIVITIES

Fellowship Education 2017-2020	Uludag University Medical School, Immunology and Allergy, Bursa, Turkey
Expert Education 2012-2017	Karadeniz Technical University, Farabi Hospital, Pulmonology, Trabzon, Turkey
Medical School 2005-2011	Karadeniz Technical University Medical School, Trabzon, Turkey

PROFESSIONAL EXPERIENCE

General practitioner	Sürmene Community Health Centre, 2011-2012
Research assistant Dr.	Karadeniz Technical University, Farabi Hospital, Pulmonology, Trabzon, Turkey, 2012-2017
Pulmonology, Expert Dr.	Hakkari State Hospital, Pulmonology, 2017
Research Assistant Dr.	Uludag University Medical School, Immunology and Allergy, Bursa, Turkey, 2017-2020
Immunology and Allergy, Expert Dr.	Şanlıurfa Mehmet Akif Inan Training and Research Hospital, 2021-2023
Assistant Professor	Karadeniz Technical University, Farabi Hospital, Pulmonology, Immunology and Allergy, Trabzon, Turkey - Continues



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Published journal articles indexed by SCI, SSCI, and AHCI

1. Erbay M, Ayçiçek O, Çebi D. Physicians' Attitudes Towards Step-Down Asthma Treatment in Turkey: A Nationwide Perspective. *Libyan Journal of Medicine*. 2025;20:2500192.
2. Erbay M, Ayçiçek O, Bektaş Hocek A, Özdemir KN. The Diagnostic Value of Bronchodilator Response in Differentiating Asthma, COPD, and ACO in Fixed Airflow Obstruction: A Retrospective Study. *BMC Pulmonary Medicine*. 2025;25:291.
3. Kizilirmak D, Uzun O, Gokmen D, et al. What Does Radiologic Assessment Contribute to Asthma: A Subanalysis of the Turkish Adult Asthma Registry. *Bratisl. Med. J.* (2025).
4. Kepil Özdemir S, et al. Distinct Characteristics of Asthma Overlap Phenotypes: Insights from the Turkish Adult Asthma Registry. *J Asthma*. 2025 Apr 16:1-18
5. Celebi Sozener Z, et al. Asthma patients with obesity have a unique phenotype a subanalysis of the Turkish adult asthma registry.
6. Arslan B, Türk M, Hayme S, et al. Socioeconomic status has direct impact on asthma control: Turkish adult asthma registry. *Clin Transl Allergy*. 2025 Jan;15(1):e70018.
7. Beyaz S, Erdiñç M, Hayme S, et al. Trends in prescribing montelukast in patients with asthma in real-life: Results from the Turkish adult asthma registry. *Allergol Immunopathol (Madr)*. 2025 Jan 1;53(1):12-25. doi: 10.15586/aei.v53i1.1183.
8. Gemicioglu B, Gokmen D, Can A, et al. Factors Influencing the Prescription of Add-on Long-Acting Muscarinic Antagonists in Real-World Asthma Management: Insights from a National Registry. *Respir Med* 2024 Nov 29:107883.
9. Yorgancıođlu A, Aksu K, Cura C, et al. Economic burden of short-acting beta-2 agonist (SABA) overuse among asthma patients in Türkiye: a cost analysis with respect to the updated GINA treatment recommendations. *MC Pulm Med* 2024 Oct 21;24(1):524.
10. Karadođan D, Yılmazel Uçar E, Yavuz Y, et al. Characteristics of asthma in an older adult population according to sex and control level: why are asthma symptoms in older women not well-controlled?, *J Asthma*. 2024 Jun;61(6):539-549.
11. Celik GE, Aydın Ö, Gökmen D, et al. Picturing Asthma in Turkey: Results from the Turkish Adult Asthma Registry. *J Asthma* 2023 Apr 25;1-24.
12. Yorgancıođlu A, Aksu K, Atış Naycı S, SABINA Turkey Study Group. Short-acting β 2-agonist prescription patterns in patients with asthma in Turkey: results from SABINA III. *BMC Pulmonary Medicine* (2022) 22:216.
13. Günaydin FE, Ediger D, Erbay M. Fatigue: A forgotten symptom of asthma. *Clin Respir J*. 2021 Mar 29.
14. Ediger D, Günaydin FE, Erbay M, Şeker Ü. Trends of sensitization to aeroallergens in patients with allergic rhinitis and asthma in Bursa City, South Marmara Sea Region of Turkey. *Turk J Med Sci* 2020 Jan 7.



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Articles Published in Other Journals

1. Erbay M, Şeker Ü, Günaydin FE, Ediger D. Hypersensitivity reactions to local anesthetics: A 5-year observational study in a Turkish tertiary referral center. *Asthma Allergy Immunol* 2023;21:174-182.
2. Erbay M. The Distribution of Sensitization to Common Aeroallergens in patients with rhinitis and asthma in Sanlıurfa, Turkey. *Tuberk Toraks* 2023;71(3):281-89.
3. Ediger D, Günaydin FE, Erbay M, Pekbak G. Can omalizumab be an alternative treatment for non-atopic severe asthma? A real-life experience with omalizumab. *Tuberk Toraks* 2023;71(1).
4. Ediger D, Erbay M, Şeker Ü. Efficacy of Omalizumab Treatment in Patients with Asthma-Chronic Obstructive Pulmonary Disease Overlap (ACO). *Asthma Allergy Immunol* 2022;20:25-30.
5. Erbay M, Tüzer ÖC, Mersin SS, Erkoç M. Earthquake as a Trigger of Acute Attacks in People with Hereditary Angioedema. *Dicle Med J* (2024) 51 (1) : 46-53.
6. Ediger D, Erbay M, Şeker Ü, Günaydin FE. Venom Immunotherapy: A Real-life Experience In A Tertiary Referral Center In Turkey. *Ann Med Res* 2020;27(12):3228-32.
7. Erbay M, Özlü T, Bülbül Y, Öztuna F, Özsu S, Tekinbaş C. Benign Mediastinal/Hiler Lenfadenopatilerde Etyoloji. *Uludağ Üniversitesi Tıp Fakültesi Dergisi*. 2019; 45 (3): 311-315.

Books

1. Erbay M. Genetic, Epigenetic, and Gene–Environment Interactions in Allergic Diseases. In: Şahiner ÜM (ed). *Fundamentals of Allergy and Clinical Immunology: Pathogenesis, Diagnosis, and Therapeutic Approaches*. 1st ed. Ankara: Nobel Medical Publishing; 2022. p. 252–259.
2. Erbay M, Ediger D. Management of Allergy Clinics During the COVID-19 Pandemic. In: Soyuyğit Ş (ed). *COVID-19 and Allergic Diseases*. 1st ed. Ankara: Türkiye Klinikleri; 2022. p. 34–39.
3. Erbay M. Byssinosis. In: Karadağ M, et al. (eds). *Handbook of Diagnosis and Treatment in Pulmonology*. 1st ed. Ankara: Bilimsel Tıp Publishing; 2021. p. 390–394.
4. Erbay M, Ediger D. Management of Severe Asthma. *Current Pulmonary Diseases Series*. 2020; 8(2): 47–54.



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Papers Presented at Refereed Scientific Meetings

1. Ediger D, Günaydın FE, Erbay M, Pekbak G. Are There Any Differences in Omalizumab Efficacy Between Young and Elderly Asthmatics? *World Allergy Congress*, 13–15 October 2022. Poster no: 149.
2. Özdemir KN, Erbay M, Ayçiçek O. The Effect of Biological Therapies on Small Airways in Severe Asthma: Real-Life Study. *Turkish Thoracic Society 28th Annual Congress*, 23–27 April 2025.
3. Yılmaz A, Erbay M, Ayçiçek O. The Role of Post-Bronchodilator PEF Measurement in the Diagnosis of Asthma. *National Lung Health Congress*, 9–12 April 2025. SS-011.
4. Erbay M, Yıldız FB, Ayçiçek O, Öztuna F, Özlü T. Hypersensitivity Pneumonitis: Clinical, Radiological, and Prognostic Profile of Patients From the Eastern Black Sea Region. *Turkish Thoracic Society Congress*, 20–24 November 2024. SS-020.
5. Keskin S, Erbay M, Özlü T. Relationship Between Chronic Rhinosinusitis, Asthma, and Atopy: Real-Life Experience. *National Lung Health Congress*, 6–9 March 2024. SS-043.
6. Erbay M, Ediger D, Günaydın FE, Pekbak G. Evaluation of Omalizumab Treatment in Asthma Patients With Total IgE Levels Below 30 IU/mL: Retrospective Study. *National Lung Health Congress*, 15–18 March 2023.
7. Ediger D, Erbay M, Günaydın FE, Pekbak G. Efficacy of Omalizumab in NSAID-Exacerbated Respiratory Disease (NERD). *Turkish Thoracic Society 25th Annual Congress*, 24–28 May 2022.
8. Ediger D, Erbay M, Şeker Ü, Günaydın FE. Evaluation of Total IgE Levels in Patients Presenting to the Allergy Clinic. *National Lung Health Congress*, 26–30 May 2021 (Digital).
9. Ediger D, Günaydın FE, Erbay M, Pekbak G. Real-Life Experience With Mepolizumab in Hypereosinophilic Severe Asthma. *Turkish Thoracic Society 23rd Annual Congress*, 15–18 October 2020 (Digital).
10. Ediger D, Günaydın FE, Erbay M. Dysfunctional Breathing as a Common Comorbidity in Asthma. *National Congress of the Turkish Respiratory Research Association*, 2–8 October 2020 (Digital).
11. Ediger D, Erbay M, Şeker Ü, Günaydın FE. Status of Asthma in Patients With Allergic Rhinitis Receiving Allergen-Specific Immunotherapy: Real-Life Data. *National Lung Health Congress*, 11–15 March 2020.

Supported Projects

1. Erbay M, Akkaya S, Öztuna F. Project Supported by Higher Education Institutions: *Can Transthoracic Ultrasound Be Useful in Assessing Treatment Response in Severe Asthma?* 2024–2025.
2. Şevik U, Berber T, Erbay M, Ayçiçek O, Küçük AO, Ögür G, Ekinci AE, Aydemir FS, Çoban K, Mutlu O. Project Supported by Higher Education Institutions: *Photographic Evaluation of Skin Prick Tests Using Artificial Intelligence Methods*. 2025–2026.



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Awards

1. Third Prize in Poster Presentation. Erbay M, Özlü T, Bülbül Y, Öztuna F, Özsu S. Etiology of Benign Mediastinal/Hilar Lymphadenopathies. *National Lung Health Congress*, 14–18 March 2018.
2. Poster Award, Asthma & Allergy Working Group. Ediger D, Erbay M, Günaydın FE, Şeker Ü. Allergen-Specific Immunotherapy in Four Elderly Patients: Clinical Experience. *Turkish Thoracic Society 23rd Annual Congress*, 15–18 October 2020 (Digital).

Congress & Conference Participation

1. Erbay M. Allergic Evaluation in Asthma. *Asthma Diagnosis and Treatment Course. National Lung Health Congress*, 9 April 2025. Antalya, Türkiye.
2. Erbay M. Management of Asthma in Pregnancy. *National Lung Health Congress*, 10 April 2025. Antalya, Türkiye.
3. Erbay M. How to Step Down in Asthma. *From Diagnosis to Treatment: Asthma Management Masterclass School. Turkish Association of Pulmonology and Intensive Care (ASYOD)*. 8 February 2025. İzmir, Türkiye.
4. Erbay M. How to Step Up in Asthma. *Asthma Management Masterclass School. ASYOD*. 8 February 2025. İzmir, Türkiye.
5. Erbay M. How to Step Down in Asthma. *Asthma Management Masterclass School. ASYOD*. 12 October 2024. İstanbul, Türkiye.
6. Erbay M. Approach to Acute Asthma Exacerbations. *Asthma Diagnosis and Treatment Course. National Lung Health Congress*, 6 March 2024. Antalya, Türkiye.
7. Erbay M. Asthma Treatment Through Case Studies. *Asthma Diagnosis and Treatment Course. National Lung Health Congress*, 15 March 2023. Antalya, Türkiye.
8. Ediger D, Erbay M. Approach to Uncontrolled Asthma. *26th National Allergy and Clinical Immunology Congress*, 9–13 November 2019. Antalya, Türkiye.

Certifications

1. Training in Power Analysis and Appropriate Sample Size Calculation. Istanbul University Continuous Education and Research Center. 30 April 2025.
2. Müge Erbay successfully passed the *16th EAACI–UEMS Knowledge Examination in Allergology and Clinical Immunology* on 14 October 2024.

Memberships & Associations

1. Turkish National Society of Allergy and Clinical Immunology (TNSACI)
2. Turkish Association of Lung Health and Intensive Care (ASYOD)
3. Turkish Thoracic Society (TTS)
4. Turkish Respiratory Research Association



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5. European Respiratory Society (ERS)
6. European Academy of Allergy and Clinical Immunology (EAACI)