

21.09.2025

Izmir, Turkiye

EAACI CLINICAL FELLOWSHIP FINAL REPORT

Name: Halime Yağmur

Project title: Evaluation of cases undergoing desensitization allergic reactions with chemotherapy drugs and the approach to reactions during the desensitization process.

Host Supervisor: Inmaculada Doña Diaz

Host institution: Unidad de Gestión Clínica de Alergología. Hospital Regional Universitario de Málaga (Hospital Civil)

Home Supervisor: Nevin Uzuner

Home Institution: Dokuz Eylul University Hospital, Department of Pediatrics, Division of Pediatric Immunology and Allergy, Izmir, Turkiye

Duration of Fellowship: Clinical Fellowship. 3 months [01.06.2025 – 31.08.2025]

During my three-month EAACI Clinical Fellowship at the Drug Allergy Unit of the Regional University Hospital of Málaga, I had the privilege to be fully integrated into the clinical activities of Europe's leading reference center in drug hypersensitivity.

The Drug Allergy Unit is a specialized unit, attending an average of 18-20 patients daily for evaluation of suspected drug allergy, including drug provocation tests, desensitizations, and consultations.

I was directly involved in:

- Obtaining and discussing the clinical history of patients with suspected drug allergy
- Observing and performing in vivo tests such as skin prick, intradermal, and patch tests
- Actively participating in drug provocation tests, monitoring patients during and after the procedure, and managing allergic reactions when they occurred
- Learning and applying desensitization protocols to chemotherapy and biologic agents, including careful adjustment of doses and timing

- Following up the outcomes of diagnostic tests and interpreting results together with senior specialists

This hands-on experience provided me with a unique opportunity to understand the clinical reasoning behind test indications, patient selection, and management decisions.

Clinical Exposure

- Tasks personally developed:

- Active participation in clinical history taking, test planning, and drug provocation monitoring
- Management of acute reactions during provocation tests under supervision
- Dose adjustment and stepwise protocols in desensitization procedures

- Activities observed:

- Skin testing (prick, intradermal, patch)
- Nasal provocation test
- Protocol discussions for complex patients

- Clinical settings: Outpatient clinic, day hospital for drug provocation and desensitization, inpatient consultation service

- Schedule:

- Monday–Friday mornings: Case review and discussion of patients undergoing provocation/desensitization; personalized protocol design; evaluation of new cases and consultations
- Afternoons: Follow-up of outcomes, management of reactions, protocol elaboration for future patients

Alongside clinical activities, I had the chance to observe ongoing research projects within the Drug Allergy Unit, which maintains a strong scientific output with national and European funding. I have gained an in-depth understanding of various in vitro diagnostic techniques for

drug allergy, including the basophil activation test (BAT), ELISA, and the lymphocyte transformation test (LTT).

This exposure broadened my perspective on how translational research complements clinical practice in drug hypersensitivity.

This fellowship has been an extraordinary opportunity for me to improve my knowledge and clinical competence in the field of drug allergy. I was able to closely follow patients undergoing drug provocation and desensitization, learn decision-making strategies from experts, and actively participate in patient management.

In addition, data collection for our study entitled “Evaluation of cases undergoing desensitization allergic reactions with chemotherapy drugs and the approach to reactions during the desensitization process.” has already commenced. However, since there are still some steps that need to be completed, the project has not yet been finalized. As anonymized patient data still need to be incorporated, additional time will be required.

This unique experience has been profoundly enlightening for me from an academic perspective. I am deeply grateful to Prof. María José Torres and her distinguished team for providing me with the opportunity to carry out this fellowship. My sincere appreciation goes to my supervisor, Dr. Inmaculada Doña, for her unconditional support, for generously sharing her knowledge and expertise, and for always being present both professionally and personally. I am equally thankful to all members of the team, including nurses and staff, whose dedication and assistance greatly enriched my learning experience. Working alongside such an outstanding group has truly been an invaluable privilege.

I would like to express my deepest gratitude to Prof. Dr. Nevin Uzuner, Prof. Dr. Suna Asilsoy, and Assoc. Prof. Dr. Özge Atay for their valuable support and mentorship. I am also profoundly thankful to Prof. Dr. Özlem Cavkaytar and Assoc. Prof. Dr. Özge Can Bostan for their invaluable guidance and encouragement throughout this process.

Sincerely,

Halime Yağmur