

Clinical Immunology

A lot of people suffer from immune-related diseases, such as autoimmunity immune deficiencies, allergies, or complications of transplantations. But what happens exactly if the immune system is defect or disturbed? And what are the immunological mechanisms underlying immune related diseases? During this half minor, you will learn about these aspects and discover that immunology is involved in many disciplines and departments of the hospital.

Introduction

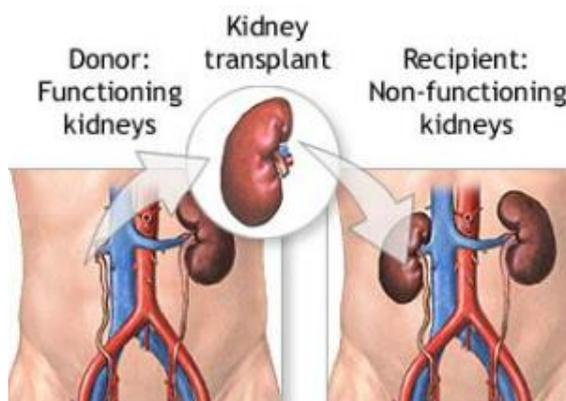
The immune system is a sophisticated system designed to protect us against invading pathogens, which try to exploit us for their own survival. The immune system consists of different intertwined layers, and is highly complex. Consequently, we know many immune-mediated diseases. The study of immunology provides the opportunity in medicine to relate the findings of



scientific investigations to clinical problems.

Quote

“I liked the interaction between teachers and students; such an open atmosphere in class.”



Overview

This half minor covers multiple disciplines involved in immunity, such as medical

microbiology, neurology, rheumatology, pulmonology, and nephrology. Furthermore, more ubiquitous topics such as allergy, transplantation, auto-immunity and innovative therapies are discussed. In the first two weeks of this half minor, an introduction to immune-mediated diseases and its diagnostics will be given. Afterwards, the different disciplines and their relations with immunology will consecutively be taught. The last day of the course, students present a Grant proposal poster for an innovative therapy.

Learning goals

At the end of this half minor, students will be able to understand immune-mediated mechanisms leading to disease, and they will be prepared to present a research proposal with state-of-the-art laboratory techniques to investigate specific components of the immune system. In addition, they will be able to diagnose a patient with an immune-mediated disease and set up a therapeutic plan.

Quote

“The clinical part of this half minor was inspiring; we visited many departments of the LUMC.”

Diagnostics

- Rheumatology, Allergy, Vasculitis, Neurology

Neurology

- GBS, MS, IBM, MG, CIDP, LEMS

Rheumatology

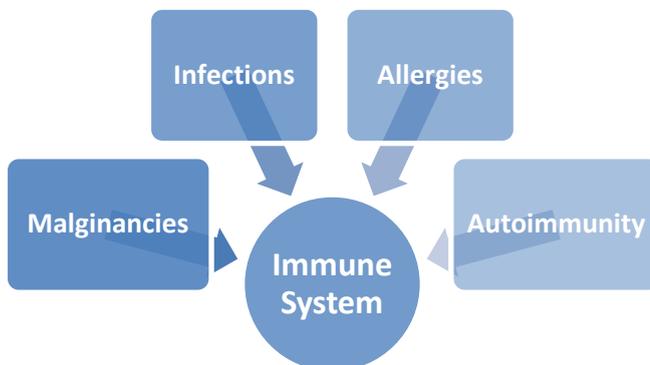
- Rheumatoid arthritis/SLE/SpA/ Scleroderma

Pulmonology

- Asthma, COPD/ Allergic airway disease

Nephrology

- ANCA/ Transplantation/ SLE



Assessment

- Written exam: open questions (10% of final grade)
- Final report (50% of final grade)
- Grant proposal (40% of final grade)



Contact us



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