University of Gdańsk

Subject card

Subject name and code	Clinical immunology, PG_00079305		
Field of study	Medical Biology		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2025/2026
Education level	Bachelor's studies	Subject group	Optional subject group Subject group related to scientific research in the field of study
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	Polish
Semester of study	5	ECTS credits	2.0
Learning profile	academic	Assessment form	exam
Conducting unit	Department of General and Medical Biochemistry -> Faculty of Biology -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr n. med. Marlena Typiak	
	Teachers	dr n. med. Marlena Typiak dr hab. Dorota Żurawa-Janicka	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	0.0	0.0	0.0	30

E-learning hours included: 0.0

Learning activity and number of study hours

Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM
Number of study hours	30	0.0	0.0	30

Subject objectives

familiarizing students with the clinical picture and pathophysiology of selected diseases caused by immunological disorders, indication of the role of immunogenetics in selected diseases and transplantology, preparing the student to work in a specialized medical team, indicating the possibility of combining scientific research with the diagnosis of selected clinical cases, tracing the relationship between individual immunological defects and a specific clinical picture

Learning outcomes

Course outcome	Subject outcome	Method of verification
		[SW4] test/exam - oral or written [SU1] oral statement/conversation/ discussion

Subject contents

Topics of the lecture Clinical picture and pathophysiology of selected diseases caused by immunological disorders, including: primary immunodeficiencies, autoimmune diseases, interactions of the microbiome and the immune system, immune response against cancer, reproductive disorders, allergy and anaphylaxis. Disease syndromes in immunology. Therapy with immunoglobulin preparations, biological treatment basics and application. Introduction to transplantology, selected immunogenetic issues. Active and passive immunization.

<table>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">Completed courses on the topics: Propaedeutics of internal diseases, Basics of cellular and molecular immunology.

Basic knowledge of human anatomy, physiology, internal diseases and basic immunology.</td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>written test</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">Literature required to finally pass the course (pass the exam):

Clinical immunology, H. Chapel et al., ed. Grzegorz Senatorski, ed. Czelej 2009;

Immunologia, ed. J. Gołąb, M. Jakóbisiak et al., ed. PWN 2012</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">Cellular and Molecular Immunology, A.Abbas et al., Elsevier, 2021</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">The immune system will respond inflammatoryly to:a. autologous and syngeneic transplantb. autologous and isogenic transplantc. allogeneic and xenogeneic transplantd. none of the answers are correct</td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
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