

**Thematic plan of independent work of the student
in the discipline "Immunology-Clinical immunology"
for students of the educational program
of the specialist/bachelor's/master's degree
in the specialty of training 31.05.03 Dentistry,
direction (profile) Dentistry,
form of study is full-time
for the 2023-2024 academic year**

№	The topic of independent work	Hours (academic)
1.	History of immunology ¹ . An overview of the Nobel prizes in immunology received in the field of medicine. ²	4
2.	Local immunity of the oral mucosa ¹ . Non-specific defense factors, natural antibiotics, secretory immunoglobulins. Peculiarity of non-adoptive immune response of oral mucous membranes. Colonization resistance. ²	5
3.	Regulation of the immune response ¹ . Regulatory T cells. Immunologic tolerance. Immunologic memory. ²	3
4.	Genetic mechanisms of antibody diversity ¹ . Immunological reactions based on antigen-antibody interaction: agglutination, precipitation, lysis, neutralization. ²	6
5.	The main achievements of immunobiotechnology ¹ . Prospects for their clinical application. ²	2
6.	Vaccines ¹ . General issues of vaccine prophylaxis. Types. Formation of postvaccinal immunity. ²	4
7.	Age-specific features of the immune response ¹ . Critical periods of the immune system in the intrauterine period. Organization and functioning of the immune system of children. Peculiarities of immunity in children. Age peculiarities of allergic diseases development in children. ²	6
8.	Pharmacotherapy of autoimmune and lymphoproliferative diseases ¹ . Immunosuppressants - classification and mechanisms of action, indications for prescription, contraindications, side effects. Glucocorticosteroid drugs - mechanisms of action, indications for use, complications. ²	6
	Total	36

¹ -Subject

² - essential content (if necessary)

Considered at the meeting of the department of Immunology and allergology "31"
May 2023, protocol No 16

Head of the Department

A handwritten signature in blue ink, appearing to read 'Belan E.B.', written in a cursive style.

Belan E.B.