

Topics and organization of lectures in pathophysiology for the 2nd year of medicine (summer semester of the academic year 2025/2026)

1. Pathophysiology in an interdisciplinary approach.
2. The role of the inflammatory process in the pathophysiology of diseases.
3. Pathophysiology of atherosclerosis and ischemic heart disease.
4. Pathophysiology and classification of shock.
5. Etiopathogenesis of arterial hypertension. **1st test (topics 1-4).**
6. Insomnia and disturbances of circadian rhythms.
7. Disorders of carbohydrate metabolism.
8. Obesity and metabolic syndrome.
9. Disturbances in the metabolism of minerals and vitamins. Eating disorders.
10. Hematopoiesis. Diseases of the red blood cell system. **2nd test (topics 5-8).**
11. Diseases of the white blood cell system.
12. Hemostasis. Hemorrhagic diathesis.
13. Thrombophilia.
14. Pathophysiology of the aging process. Neurodegenerative diseases. **3rd test (topics 9-13).**
15. Cancers. Mechanisms of neoplastic transformation.

<u>Lecture date:</u> Wednesday, 17:10-18:40	
Date:	Place:
Aula 1.4, Collegium Medicum, 13-15 Jagiellońska Street , Bydgoszcz	25 February, 4 March, 11 March, 25 March
Aula 4, Medical Library, 9 Curie-Skłodowska Street , Bydgoszcz	18 March, 1 April, 8 April, 15 April, 22 April, 29 April, 6 May, 20 May, 27 May, 3 June, 10 June