THEMATIC PLAN OF LECTURES IN PATHOLOGICAL PHYSIOLOGY
for 3rd year students of **FIS**
Educational Institution «Gomel State Medical University»
for **VI semester 2026/2027 academic year**

№	Name of topics, content of lectures	Number of hours	Date, lector
1.	**Pathophysiology of blood** 1. Anemia: definition, classifications, general characteristics. 2. Dyserythropoietic anemias: etiology, pathogenesis, manifestations. 3. Hemolytic anemias: etiology, pathogenesis, manifestations. 4. Leukocytosis and leukopenia: types, etiology, pathogenesis. 5. Leukemia: principles of classification, etiology, pathogenesis.	**2**	**11.09.26** **9.40-11.05** **Kidun K.A.**
2.	**Pathophysiology of the cardiovascular system** 1. Primary arterial hypertension: etiology, pathogenesis. 2. Secondary arterial hypertension: types, causes, development mechanisms. 3. Arterial hypotension: classification, etiology, pathogenesis. 4. Atherosclerosis: causes, development mechanisms, risk factors 5. Main forms of cerebrovascular accidents	**2**	**02.10.26** **9.40-11.05** **Kidun K.A.**
3.	**Pathophysiology of external respiration. Pathophysiology of the digestive system.** 1. Respiratory failure, principles of classification, etiology, pathogenesis. 2. Obstructive and restrictive types of ventilation disorders: etiology, pathogenesis. 3. Etiology, pathogenesis of pulmonary capillary blood flow disorders and alveolo-capillary diffusion. 4. General etiology, pathogenesis of digestive system disorders. 5. Etiology, pathogenesis of gastric ulcer and duodenal ulcer.	**2**	**23.10.26** **9.40-11.05** **Kidun K.A.**
4.	**Pathophysiology of the liver. Pathophysiology of the kidneys.** 1. Jaundice: classification, main manifestations. Cholemic and acholic syndromes. 2. Etiology, pathogenesis, manifestations of liver failure. 3. Etiology, pathogenesis of liver cirrhosis. 4. Changes in diuresis, urine composition. 5. Diffuse glomerulonephritis: etiology, pathogenesis. 6. Nephrotic syndrome.	**2**	**13.11.26** **9.40-11.05** **Kidun K.A.**
5.	**Pathophysiology of the endocrine system. Pathophysiology of the nervous system.** 1. Disorders of the cortical-hypothalamic-pituitary regulation of endocrine glands. 2. Primary disorders of hormone synthesis in peripheral endocrine glands. 3. Etiology, pathogenesis of typical forms of endocrinopathies. 4. Etiology, pathogenesis of typical forms of nervous system disorders. 5. Pain.	**2**	**04.12.26** **9.40-11.05** **Kidun K.A.**

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