**CONCEPT OF «DISEASE».**

**GENERAL ETIOLOGY. GENERAL PATHOGENESIS**

1. **AIM OF INDIVIDUAL WORK**

Teachings about disease, general etiology and general pathogenesis of the diseases are important in studying pathophysiology. Knowledge of general concepts of health and disease allows us to correctly understand the essence of the basic concepts in human pathology, the general causes and mechanisms of its development, which is a prerequisite for successful study of both the subsequent sections of pathophysiology and clinical disciplines.

1. **THOPIC STUDY PLAN.**

1. Modern views about the nature of the disease. Basic definitions and concepts of general nosology.

2. The definition of "etiology". Classification of causes of disease. Conditions of the disease, their types and characteristics. The role of causes and conditions in the occurrence of diseases. The role of social factors in the occurrence of disease. Principles of etiotropic prophylaxis and treatment of diseases.

3. The definition of "pathogenesis". Primary damage and secondary changes in the pathogenesis. The basic link, the guiding factors and cause-effect relationships in the pathogenesis. Specific and non-specific reactions in pathogenesis. The relationship of local and general reactions in the pathogenesis.

4. Protective-compensatory processes in the pathogenesis, the ratio of pathogenic and adaptive reactions. Sanogenesis: definition, mechanisms. Principles of pathogenetic therapy and prevention of diseases.

5. The concept of reanimation. The basic principles of reanimation. Pathophysiological substantiation of the requirements for measures to restore cardiac activity and respiration during reanimation. Criteria for the effectiveness of reanimation measures.

**III. QUESTIONS FOR SELF-CONTROL**

1. The definition of the concepts of "health" and "norm".
2. The definition of the concepts of "pre-disease" and "disease".
3. Pathogenetic options for the development of pre-disease.
4. Principles of classification of diseases.
5. The essence of the concept of "pathological reaction".
6. The essence of the concept of "pathological process".
7. Differences of the pathological process from the disease.
8. The essence of the concept of "pathological condition".
9. The main forms of the disease, depending on the duration of the course.
10. The signs of the disease.
11. Types of symptoms by diagnostic value.
12. The essence of the concepts of "syndrome" and "symptom complex".
13. The definition of "etiology".
14. Classification of the causes of the disease by origin.
15. Classification of the causes of the disease, depending on the properties of the etiological factor.
16. Classification of causes of disease depending on the response of the organism.
17. The definition of the concept of "disease conditions", their types.
18. External and internal conditions in the occurrence of diseases.
19. Types of diseases of civilization.
20. Diseases associated with physiological asymmetry.
21. The definition of "pathogenesis".
22. The role of etiological factor in the pathogenesis.
23. The basic link of pathogenesis and its properties.
24. The guiding factors of pathogenesis factors and their properties.
25. The relationship of local and general reactions in the pathogenesis.
26. Specific and non-specific reactions in pathogenesis.
27. Protective-compensatory processes in the pathogenesis.
28. Mechanisms of mobilization of functional reserves, providing adaptation.
29. Types of structural compensation.
30. The periods of typical disease development and their characteristics.
31. Types of atypical disease development and their characteristics.
32. The main types of remission.
33. Measures necessary to prevent relapse.
34. Types of outcomes of the disease.
35. The essence of the concepts of "recovery" and "sanogenesis".
36. Types of recovery.
37. The mechanisms of sanogenesis and recovery.
38. The main periods of dying.
39. Leading pathogenetic mechanisms of dying.
40. The main compensatory mechanisms developing in the process of dying.
41. The concept of reanimation.
42. The basic principles of reanimation.
43. Pathophysiological value of artificial lung ventilation and heart massage.
44. Criteria for the effectiveness of artificial lung ventilation and heart massage.
45. Principles of pathogenetic therapy.

**IV. LITERATURE**

1. Additional material of the Pathophysiology Department <https://kurskmed.com/department/pathological_physiology/umfiles/download/16083>
2. Basic fundamentals of general nosology. A manual for students individual work in higher medical institutions / L.A. Severyanova, Yu.D. Lyashev. – Kursk: KSMU, 2015. – p. 6-18

**V. OBLIGATORY TASKS FOR INDEPENDENT WORK**

1. Present in the form of a scheme the interaction between local and general changes in the pathogenesis.

2. To draw up a scheme of cause-effect relationships and a “vicious circle” in pathogenesis.