

STRUCTURE OF MODULE 2
‘Pathophysiology of organs and systems of organs’

Semantic module 1
Pathophysiology of blood system

1. Disturbances of general blood volume. Loss of blood.
- 2-3. Erythorocytosis and anemias
4. Leukocytoses and leucopenias
5. Leukemias
6. Disorders of hemostasis system
7. Practical skills

Semantic module 4
Pathophysiology of endocrine and nervous system

1. General principles of pathophysiology of endocrine system
 2. Pathophysiology of hypothalamo-pituitary-adrenal axis
 3. Disorder of endocrine function of pancreas
 4. Pathophysiology of trophic function of nervous system
 5. Pathophysiology of pain.
- Disorders of ANS.

Semantic module 2
Pathophysiology of cardiovascular system and external respiration

- 1-2. Pathophysiology of system blood circulation. Heart insufficiency.
3. Pathophysiology of vessels. Atherosclerosis.
- 4-5. Pathophysiology of arrhythmias
- 6-7. Pathophysiology of respiration
8. Practical skills

Semantic module 3
Pathophysiology of digestion, liver and kidneys

- 1-2. Pathophysiology of digestion
- 3-4. Pathophysiology of liver
- 5-6. Pathophysiology of kidneys
7. Practical skills