**Work plan to quarantine**

**Histology, group 101-am**

**Practice 1 17.03.2020**

**Epithelial tissue.** General morphofunctional characteristics of the epithelium. Organization of the epithelial layer. Cytokeratins as markers of different types of epithelial tissues. Modern ideas about the structure, origin and function of the basement membrane. Nutrition of the epithelium. Histogenesis of epithelial tissues. Genetic and morphofunctional classification. The structure of the different types of surface epithelium.

**Practice 2 18.03.2020**

**Epithelial tissue.** Glandular epithelium. Structure and classification of glands. The secretory cycle. Types of secretion. Features of physiological and reparative regeneration of epithelial tissues.

***Lecture 1 24.03.2020***

***Tissues of the internal environment. Blood and lymph.*** *Morphofunctional characteristics. Origin. Blood composition, plasma and forming elements, function. Plasma characteristics. Structure and function of red blood cells, leukocytes, platelets. Classification of leukocytes. Characteristics of lymph.*

**Practice 3 25.03.2020**

**Blood and lymph.** Morphofunctional characteristics. Origin. Blood composition, plasma and forming elements, function. Plasma characteristics. Structure and function of red blood cells, leukocytes, platelets. Classification of leukocytes. Characteristics of lymph. The hemogram and leukocyte formula, their features in newborns and children of all ages. Histogenetic series: erythropoiesis, granulocytopoiesis, monocytopoiesis, thrombocytopoiesis, lymphopoiesis.

***Lecture 2 31.03.2020***

***Connective tissues.***

*General characteristics. Classification. Fibrous connective tissues. Their varieties. Characteristics of loose fibrous connective tissue. Cellular composition of loose fibrous connective tissue. Dense fibrous connective tissue varieties - formed and unformed, their location, structure and function. The structure of the tendon. Connective tissues with special properties: reticular, adipose (white and brown), pigment, mucous, their localization, structure and function.*

**Practice 4 01.04.2020**

**Connective tissues.** General characteristics. Classification. Fibrous connective tissues. Their varieties. Characteristics of loose fibrous connective tissue. Cellular composition of loose fibrous connective tissue. Dense fibrous connective tissue varieties - formed and unformed, their location, structure and function. The structure of the tendon.