

**Plan of Lectures from Subject "Histology 2" for Students of the Study Program  
General Medicine, Winter Semester 2024/2025**

<b>1st lecture</b> 24/09/2024	Repetition and boosting knowledge about tissues. Microscopic structure of the heart, blood and lymphatic vessels. The electrical conduction system of the heart. Types of capillaries, their appearance and functions.
<b>2nd lecture</b> 01/10/2024	Microscopic structure of primary and secondary lymphatic organs. Thymic-blood barrier.
<b>3rd lecture</b> 08/10/2024	Microscopic structure of endocrine glands. Hypothalamus-hypophysis axis. Diffuse endocrine system.
<b>4th lecture</b> 15/10/2024	General microscopic structure of the digestive tract wall. Microscopic structure of the oral cavity, esophagus, stomach, small and large intestine and rectum.
<b>5th lecture</b> 22/10/2024	Microscopic structure of the liver, pancreas and salivary glands. Ultra-structure of hepatocyte. Disse space and sinusoids of the liver. Construction of the exocrine and endocrine (Langerhans islands) parts of the pancreas.
<b>6th lecture</b> 29/10/2024	Microscopic structure of the respiratory system. Self-cleaning of the respiratory system. Blood-air barrier.
<b>7th lecture</b> 05/11/2024	Microscopic structure of kidney and urinary tract. Kidney filtration barrier. Juxtaglomerular apparatus.
<b>8th lecture</b> 12/11/2024	Microscopic structure of the male reproductive system. Testes and spermiogenesis. Spermiogram. Penis and morphological basis of erection.
<b>9th lecture</b> 19/11/2024	Microscopic structure of the female reproductive system. Ovarian and menstrual cycle. Structure of the yellow body. Overview of microscopic structure of placenta. Morphological basis of orgasm.
<b>10th lecture</b> 26/11/2024	Microscopic structure of the skin and skin derivatives. Different cell types of the skin. Mammary gland. Microscopic structure of the inner ear and eyeball.
<b>11th. lecture</b> 03/12/2024	Overview of microscopic structure of central and peripheral nervous system. Structure of the cortex and cerebellum. Microscopic structure of spinal nerves and ganglia.
<b>12th lecture</b> 10/12/2024	Presentation of the Department for Prion Diseases, an overview of the workplace's activities. Histology of prionoses. Guest: RNDr. Dana Žáková, PhD. (Department for Prion Diseases, LF SZU)
<b>13th lecture</b> 17/12/2024	Elucidation of problems, clinical correlations, pre-exam preparation