

Week	Lecture		Practical	
1.	Mineral composition of enamel and dentine. Bioapatites.	Dr. Zsembery	Ca ²⁺ homeostasis	Dr. Kádár
2.	Osteogenesis, Bone resorption and the osteoclasts	Dr. Kerémi	Hard tissue investigation methods. Fluoride metabolism	Dr. Kádár
3.	Development of the tooth germ	Prof. Varga	Chewing and the temporomandibular joint movements	Dr. Jász
4.	Amelogenesis	Dr. Shahbazi	Molecular diagnostic in dentistry, gene polymorphisms	Dr. Földes
5.	Dentinogenesis, cementogenesis. Dentin permeability	Dr. Kerémi	Hematology – basics, hemopoiesis	tutor
6.	Morphology and function of salivary glands. Saliva, disorders of	Prof. Varga	Hematology – proliferative diseases	tutor
7.	Bleeding disorders. Pathophysiology and relevance in everyday	Dr. Zsembery	Hematology – anemias	tutor
8.	Tooth eruption and tooth movement	Dr. Nagy	Hemostasis	Dr. Kádár
9.	Hemopoietic stem cell transplantation	Dr. Kriván	Oral defence mechanisms	Dr. Kerémi
10.	Inflammation - general characteristics, types, pathomechanism	Dr. Zsembery	Oral clearance	Dr. Zelles
11.	Wound healing. Ionizing radiation, oral consequences of therapeutic irradiation	Dr. Kádár	Dental plaque	Dr. Zsembery/ Dr. Kerémi
12.	Pathomechanisms in oral cancer	Dr. Tímár	Gingival sulcus and the crevicular fluid	Dr. Köles
13.	Structural and functional characteristic of dental pulp, circulation	Prof. Varga	Measurement of salivary flow and salivary diagnostics	Dr. Farkasdi
14.	Oral sensation, olfaction and deglutition	Dr. Zelles	Case presentation – periodontal diseases and systemic conditions	tutor