

Biochemistry and Patobiochemistry 2 - B81138, winter term 2025/26

Week No.	Week from	Lesson date	Seminars	Teacher	Practical lessons
			Wed 14:30 – 16:00; Fri 9:15–10:45, Seminary Room No. 3.074		Fri 14:15–16:30, Student Laboratory
1.	29.9.25	01.10.25	Saliva: origin, composition, function. Patobiochemistry of bones, osteoporosis.	Doc. Malbohan	
		03.10.25	Pathobiochemistry of oral cavity. Dental plaque and dental decay. Importance of nutrition in prevention of tooth decay.	Doc. Malbohan	
2.	6.10.25	08.10.25	Importance of individual components in dentifrices.	Doc. Malbohan	
		10.10.25	Reactive oxygen and nitrogen species. Antioxidant defense.	Dr. Pláteník	
3.	13.10.25	15.10.25	Disorders of hemocoagulation and techniques used in their laboratory investigation.	Dr. Krtíl	
		17.10.25	Disorders of lipid metabolism. Atherosclerosis.	Dr. Vecka	
4.	20.10.25	22.10.25	Blood plasma proteins and their significance. The acute phase proteins. Immunoglobulins.	Prof. Kalousová	
		24.10.25	Immunochemical techniques and their usage in clinical chemistry.	Prof. Kalousová	Practical lesson: Saliva 1
5.	27.10.25	29.10.25	Biochemistry of inflammation.	Prof. Kalousová	
		31.10.25	Methods of biochemical investigation of diabetes mellitus.	Dr. Mráz	
6.	3.11.25	05.11.25	Composition of body fluids and its most common disorders.	Dr. Rybníkářová	
		07.11.25	Biochemistry and pathobiochemistry of the liver. Significance of liver in metabolism.	Dr. Krtíl	Practical lesson: Saliva 2
7.	10.11.25	12.11.25	Disorders of nutrition. Obesity, starvation, malnutrition, deficiency of vitamins and minerals.	Doc. Malbohan	
		14.11.25	Dental material science I Inorganic materials: Metals and alloys.	Prof. Navrátil	Revision test I: Pathobiochemistry
8.	17.11.25	19.11.25	Dental material science II Inorganic materials in dentistry: Amalgams. Toxicology of mercury.	Prof. Navrátil	
		21.11.25	Dental material science III: Polymer materials	Dr. Tichý	Practical lessons: Dental materials
9.	24.11.25	26.11.25	Dental material science IV: Composite materials, photopolymerization	Dr. Tichý	
		28.11.25	Dental material science V: Cements	Dr. Bradna	
10.	1.12.25	03.12.25	Dental material science VI: Impression materials	Dr. Bradna	
		05.12.25	Dental material science VII: Gypsum products, investment materials	Dr. Bradna	
11.	8.12.25	10.12.25	Dental material science VIII: Ceramics	Dr. Bradna	
		12.12.25	Dental material science IX: Adhesive systems	Dr. Tichý	
12.	15.12.25	17.12.25	Consultation - dental materials	Dr. Tichý	
		19.12.25	Dental material science X: Influence of the oral cavity environment on various dental materials.	Dr. Tichý	Revision test II: Dental materials
Christmas vacation 20. 12. 2025 – 4. 1. 2026					
14.	05.01.26	07.01.26	Consultations		
		09.01.26	Consultations		
15.	12.01.26	14.01.26	CREDIT	Dr. Pláteník	