



Evaluation of the students' satisfaction with the teaching of **Clinical Biochemistry (GM)** in academic year **2021/2022**

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Evaluation of the questionnaire survey

Question	*	**	***	****	*****	Average score	
1. The quality of lectures and clarity of interpretation							
	78	1	1	4	22	50	4,53
	%	1,3	1,3	5,1	28,2	64,1	
2. Were video lectures available in MS Teams beneficial for you?							
	78	4	4	12	21	37	4,06
	%	5,1	5,1	15,4	26,9	47,4	
3. The quality of materials and educational means in the course							
	78	1	2	2	22	52	4,54
		1,3	2,6	2,6	28,2	66,7	
4 The topics that should be given greater focus on							
	55	Adrenal biochemistry (1) , endocrine tests (4) , liver function test (3), cardiac markers (2), ABD (4), osmolality and ions (6), kidney function tests (3), tumor markers (6), inflammatory markers (2) pancreas(1), diabetes mellitus (1), more time for all topics (5x), all topics OK (19)					
5 The quality of seminars (content, form, interaction with students)							
	78	1	2	4	15	56	4,58
		1,3	2,6	5,1	19,2	71,8	
6 Sources for study							
		Lectures	E-book	Internet	Test questions		
	78	43	52	36	4		
		55,1	66,7	46,1	5,1		
7 The balance between theory and practical examples							
	78	2	1	13	22	40	4,24
		2,6	1,3	16,7	25,2	51,3	
8 Difficulty of tests (seminar and final)							
	78	very difficult	difficult	just right	easy		
		1	34	42	1		
		1,3	44,9	53,8	1,3		



QUESTIONNAIRE – EVALUATION

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9 Select the statement which characterizes the best your personal feeling?						
	I feel prepared to understand the principles of laboratory diagnostics	53				67,9 %
	I feel unprepared to understand the principles of laboratory diagnostics	5				6,4 %
	The subject was too difficult for me, but I feel I need it.	19				24,4 %
	I feel that students do not need such a subject.	1				1,3 %
10 Your suggestions for improvement of teaching the course in the online form or in general:						
Negatives (criticism)	More clinical and practical cases					
	More time to study this subject should give the students. Two weeks is not nearly enough to process all the information given. With more time I would enjoy more to study and go through the topics deeper.					
	Professor 10/10. But there should be more lectures or another week to prepare to final Exam					
	To have the week of lectures before starting seminars. I think other groups would benefit from knowing that it is absolutely necessary to go to seminars with the topics already studied.					
	In more difficult subject maybe do the seminar more slowly and be sure everyone follows					
Suggestions for improvement	To share the seminar presentations, there are more complex than chapters from portal.					
	I would recommend to clarify few of the questions according to the book.					
	Upgrade of book (list of content in front), missing graphs -> book is really good!!					
	Add a content list in the beginning of the e-book!					
	It would be nice if got some exercises beforehand, like homework, that we need to do before seminars so we can be more prepared for the seminars.					
	The e-Book has some small mistakesApart from those points, clinical biochemistry is the best organised and structured subject of all subjects I had so far.					
Positive criticism	I really enjoyed this course in total. The most educational and interesting were the cases of patients					
	Best Professor ever!! I have learned many clinical knowledge's. I like the way of teaching. Many cases and many thinking that's is so important for us!					
	I believe that work of professor was sufficient and did her best on teaching us the basics on the subject to prepare us for our clinical practise!					
	The classes was really nice and I actually feel like you wanted us as students to really learn the different subjects, which I also feel like I did.					
	I really enjoyed the course and I feels it gave me the ability to better analyse clinical vignettes.					
	Doing case studies is a very good way of understanding more what we study.					
	It was a good experience, I was afraid of clinical biochemistry but after having the subject I feel confident and very well prepared.					
	Keep the clinical cases. They help with the practical application of the knowledge. The classes were very informative and well-structured overall.					
11 The total quality of teaching this subject						
78	1	2	5	21	50	
	1,3	2,6	6,4	26,9	64,1	4,49

Questionnaire comment

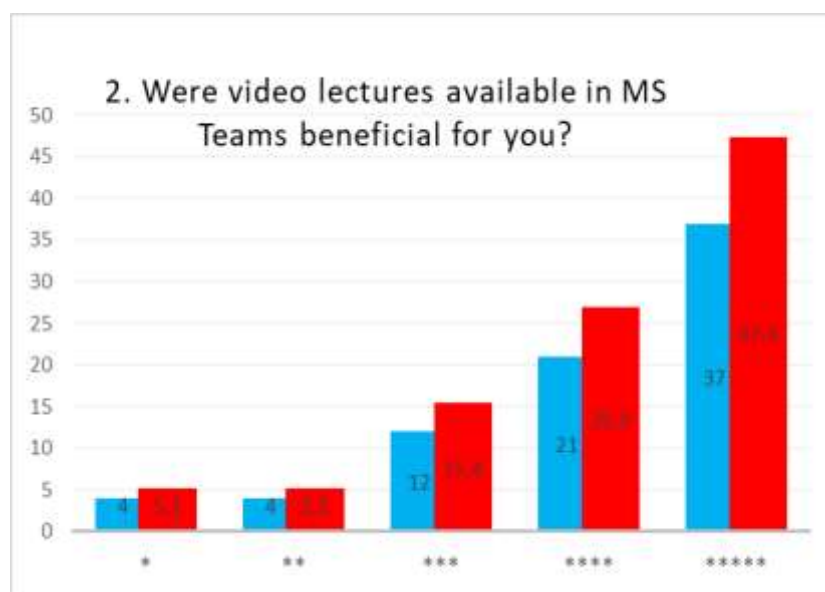
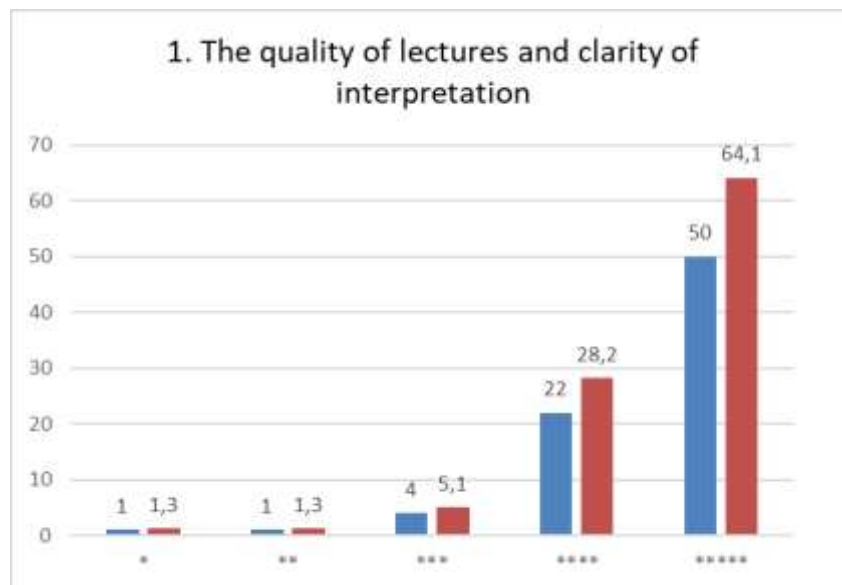
In the academic year 2021/2022, 166 students graduated from the course. Only 78 (45%) completed the questionnaire regarding the quality of teaching, mostly after the final test. The questionnaire was voluntary, anonymous and available in the MS Forms application. The total numbers of answers to individual questions are indicated in red, the absolute numbers in blue, and the percentage representation of individual answers in black. The answers (except 4 and 10) are presented in graphic form as follows - blue columns numbers, red %.

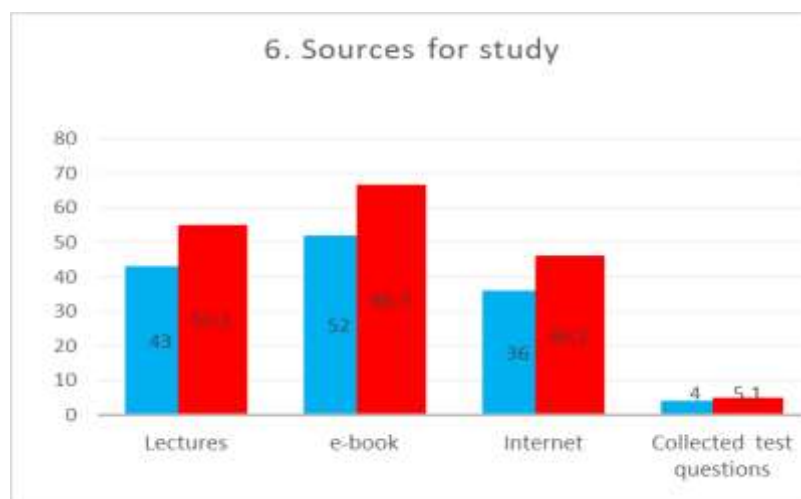
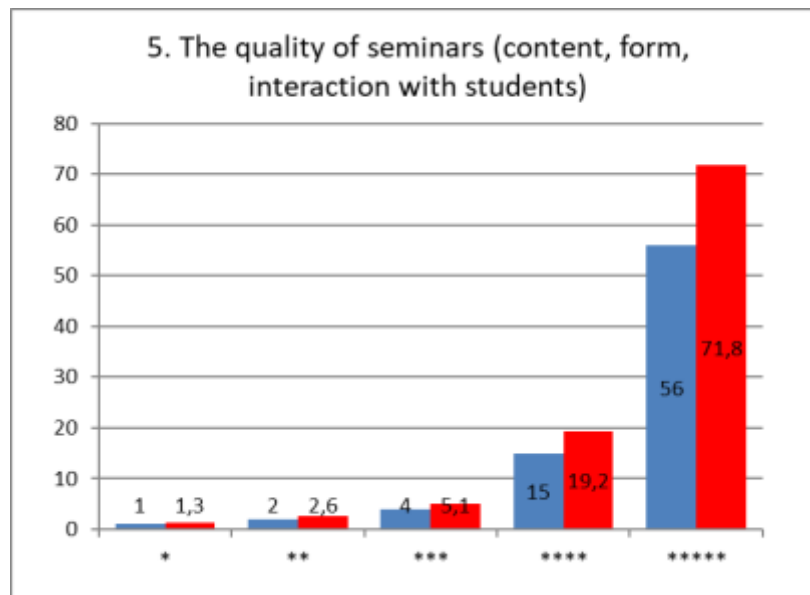
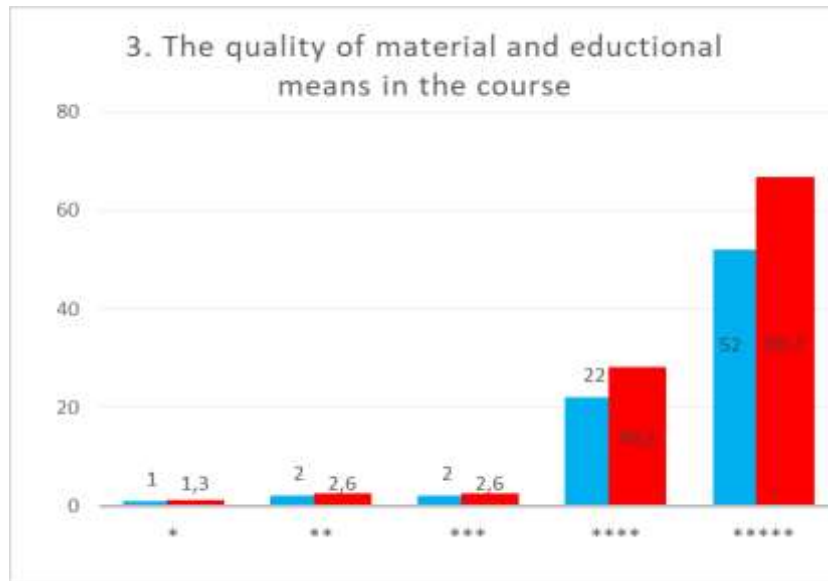


Compared to the previous academic year 2021/2022, we did not notice significant movement in evaluations in all questions, despite the change from face-to-face teaching to distance teaching due to the disease of COVID-19 in the teacher MUDr. Ďurovcova in November 2021. A new assistant professor, MUDr. Lenártová, PhD., has started teaching. There is still a positive evaluation of the teaching materials (e-book on the UPJŠ educational portal) and the content of seminars focused on model and real case studies and the analysis of laboratory findings.

In the question 9, students were free to write any reminder, suggestion or comment on the quality of teaching. In **critical comments**, reservations about the block system, which is demanding on continuous preparation and requirements for the inclusion of a lecture block before seminars dominated. In the **suggestions for improvement**, there were requests for corrections in the e-book and inclusion of content at the beginning of each chapter, which have already been resolved. Most of the comments were **positive ratings** (examples in the table), which we greatly appreciate and thank for them.

Graphic evaluation of the questionnaire survey

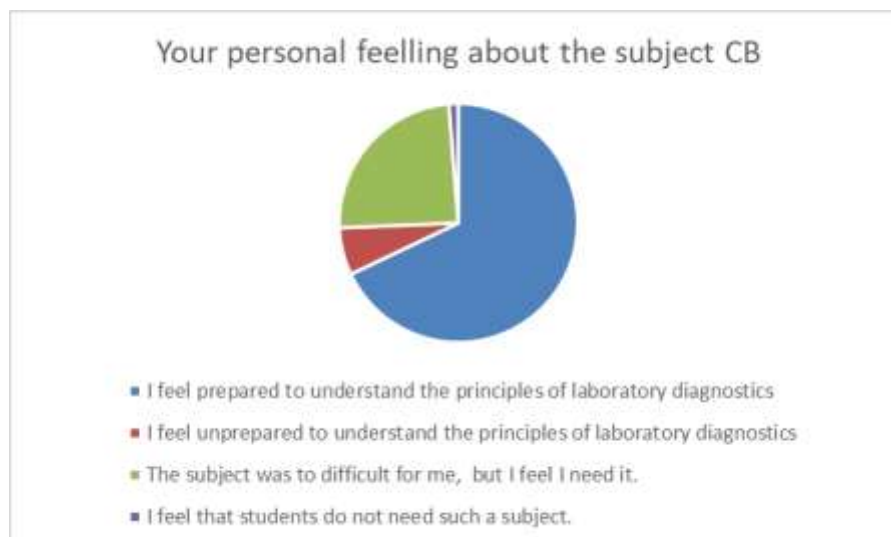
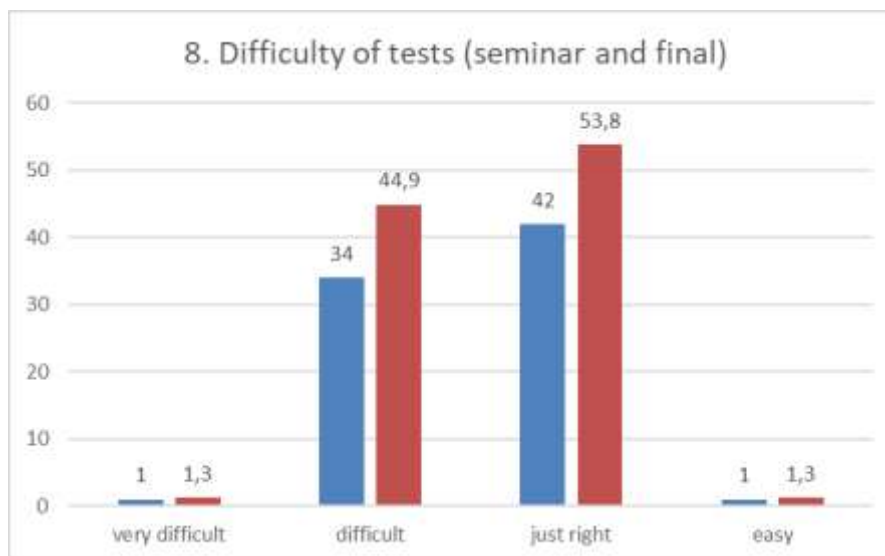
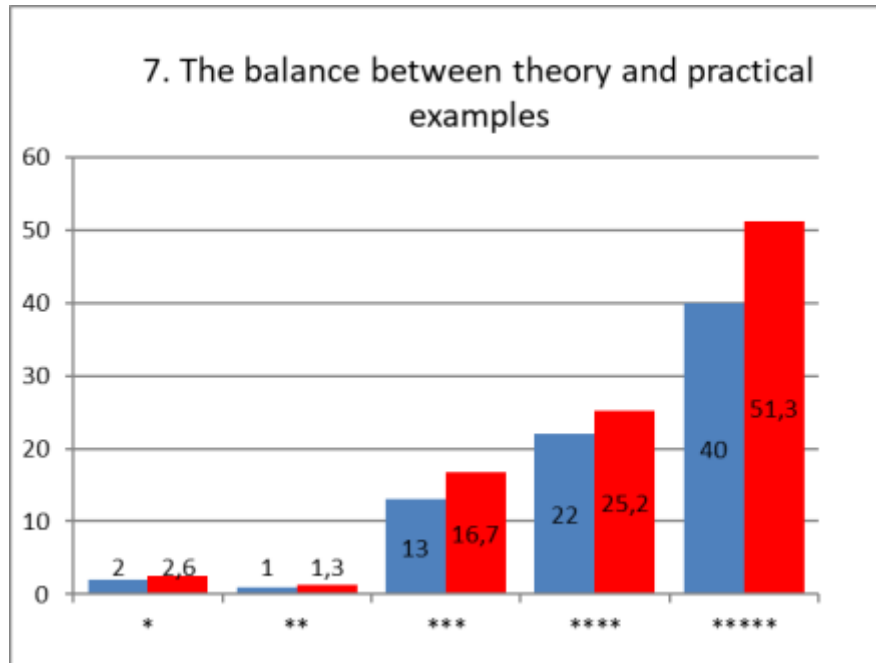






QUESTIONNAIRE – EVALUATION

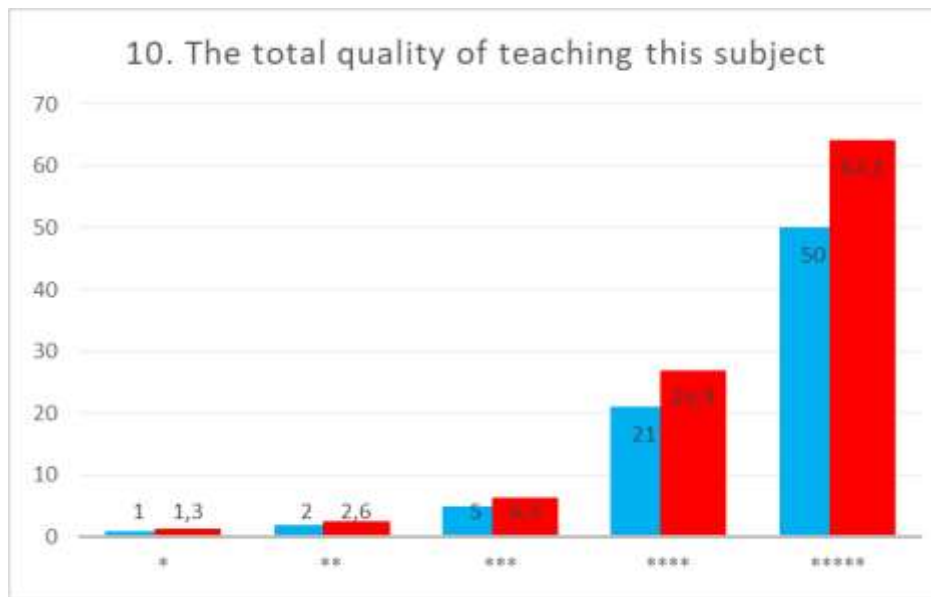
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QUESTIONNAIRE – EVALUATION

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Evaluation of the final test

