

Supplement 9: Practical examination results between Semesters 11 and 13

Item	Overall	Semester 11	Semester 12	Semester 13	p-value
Number of tutors	147	52	35	60	
total score (max. 49 points)	41.9 ± 5.1	40.2 ± 5.4	42.5 ± 3.8	43.1 ± 5.3	0.009
Patient guidance, communication and indication (max. 10 points)	9.1 ± 1.5	8.5 ± 1.8	9.4 ± 0.9	9.4 ± 1.2	0.004
• Establishing a relationship (max. 2 points)	1.9 ± 0.3	1.8 ± 0.5	2.0 ± 0.0	2.0 ± 0.1	0.004
• Patient preparation (max. 2 points)	1.9 ± 0.4	1.9 ± 0.5	1.9 ± 0.4	1.9 ± 0.3	0.5
• Communication (max. 2 points)	1.9 ± 0.4	1.8 ± 0.4	2.0 ± 0.2	1.9 ± 0.4	0.2
• Breathing command (max. 2 points)	1.8 ± 0.6	1.8 ± 0.4	1.7 ± 0.6	1.7 ± 0.6	0.8
• Naming the indication (max. 2 points)	1.8 ± 0.4	1.7 ± 0.5	1.8 ± 0.4	1.9 ± 0.3	0.03
Transducer handling and image optimization (max. 8 points)	7.3 ± 1.0	7.2 ± 1.2	7.4 ± 0.7	7.5 ± 1.0	0.2
• Orientation (max. 2 points)	1.9 ± 0.4	2.0 ± 0.0	1.8 ± 0.5	1.9 ± 0.4	0.03
• Transducer positioning (max. 2 points)	1.8 ± 0.5	1.8 ± 0.4	1.8 ± 0.5	1.9 ± 0.4	0.1
• Transducer handling (max. 2 points)	1.9 ± 0.4	1.9 ± 0.3	1.8 ± 0.5	1.9 ± 0.4	0.5
• Image optimization (max. 2 points)	1.7 ± 0.5	1.8 ± 0.4	1.7 ± 0.6	1.7 ± 0.6	0.9
Examination procedure (max. 8 points)	6.7 ± 1.7	6.4 ± 1.8	6.7 ± 1.7	6.9 ± 1.7	0.3
Image explanation (max. 4 points)	3.8 ± 0.7	3.7 ± 1.0	3.8 ± 0.5	3.9 ± 0.5	0.2
Measurement/advanced examination (max. 6 points)	5.1 ± 1.5	5.1 ± 1.4	5.3 ± 1.2	4.8 ± 1.6	0.3

Image documentation (max. 1 point)	0.5 ± 0.5	0.2 ± 0.4	0.4 ± 0.5	0.7 ± 0.5	<0.001
Pathology assessment + description of further procedure (max. 4 points)	2.8 ± 1.2	2.4 ± 0.8	2.7 ± 1.3	3.2 ± 1.2	0.00011
Overall impression (max. 8 points)	6.7 ± 1.0	6.7 ± 1.0	6.7 ± 0.8	6.8 ± 1.2	0.4