

Online written exam – the first experiences

UEMS DIVISION OF SURICAL ONCOLOGY – BRUSSELS 2017



Preparing the exam

- ▶ We used online Excel tables. All questions were reviewed by reviewers committee and Angoff scores were entered into table.
- ▶ We did not use built-in reviewing functionalities because:
 - ▶ Angoff scores could not be entered
 - ▶ Question were approvable by any member of reviewing committee

Curriculum	Question body	Option 1	Option 2	Option 3	Option 4	Option 5	Answer	Lynda's comments	Lynda's score	Gerrard's comments	Gerrard's score	Zoltan's score
	The chemotherapeutic agent most likely to be associated with cardiac dysfunction is	Paclitaxel	5-fluorouracil	Doxorubicin	Cyclophosphamide	Tamoxifen	3					
23	A 42-year-old, otherwise healthy man has anemia and occult blood in his stool. His family history is significant for the death of his father at age 45 and the death of his paternal grandmother at age 50 with colon cancer. At colonoscopy, a 4-cm mucinous carcinoma of the cecum and three adenomatous polyps of the ascending colon are found. The most likely genetic defect is a mutation of the	Adenomatous polyposis coli (APC) gene	Retinoblastoma (Rb) gene	p53 gene	DNA mismatch repair gene	Deleted in colorectal cancer (DCC) gene	4					
24	Colon cancer is associated with the loss of which of the following genes?	K-ras	erb B-2	p53	HER-2/neu	c-myc	3					
25	The most variable period of the cell cycle that determines the length of the cycle is	M 1	M 2	G 1	G 2	S	3					
26	Fiberoptic endoscopy has recently replaced contrast imaging studies as the diagnostic modality of choice. What is the diagnostic accuracy of a fiberoptic endoscopy with biopsy?		25%	45%	75%	95%	4					

The exam



The exam itself went smoothly, without any delays.

There were some problems with candidates' passwords, because of different keyboard layout.

The computers were set to French keyboard layout which was quite different from other languages, so we had difficulties to type in correctly the mixture of upper-case, lower-case and numbers.

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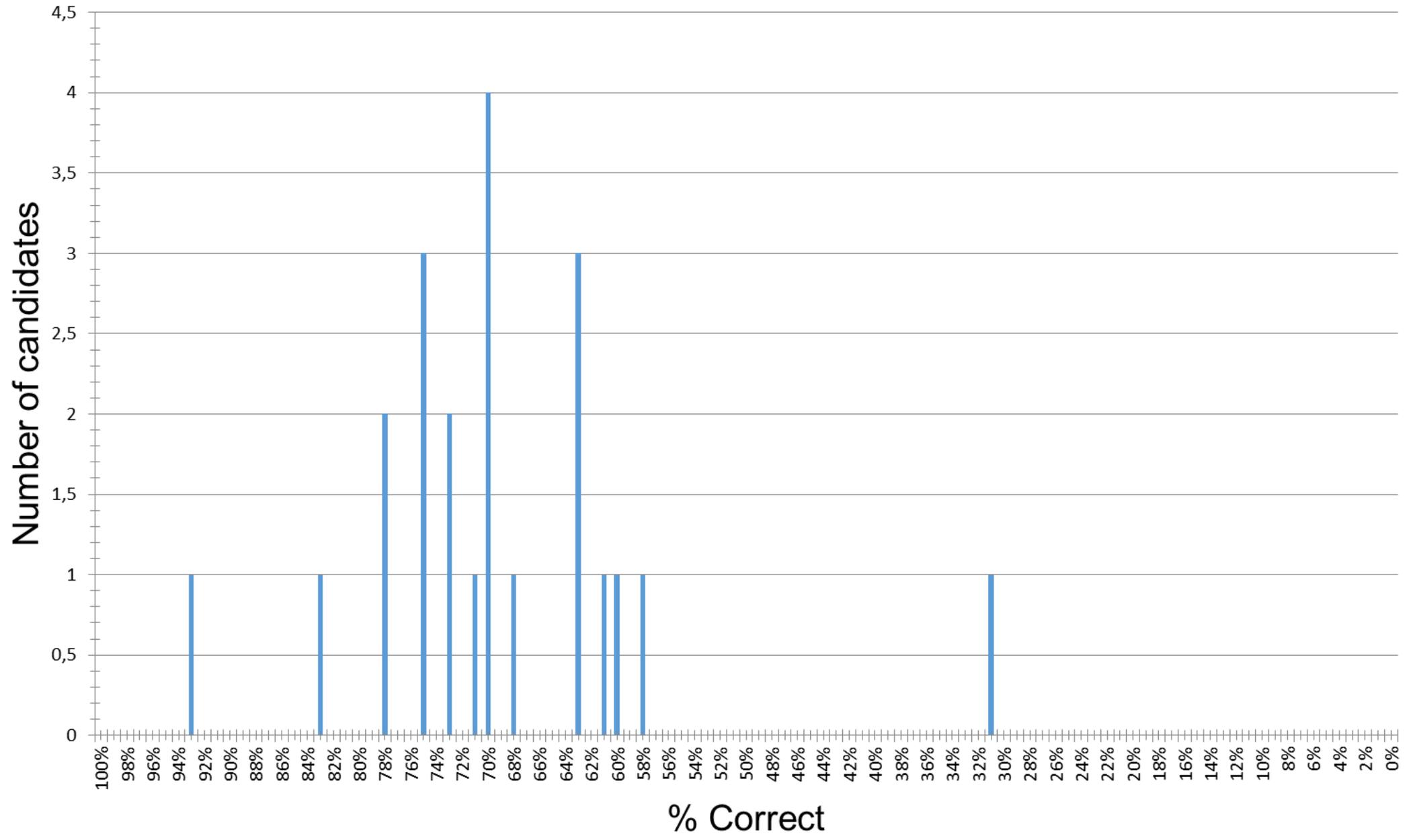
Clipboard Font Alignment Number Styles Cells Editing

Normal Bad Good Neutral Calculation
Check Cell Explanatory... Input Linked Cell Note

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Candidate performance	Pass mark:	58,50%													
2	Candidate	% Correct	Pass/Fail													
3	0	Did not attend														
4	Abdel Munem Abu Sba	63,33%	Pass													
5	Ahmed Aljiburi	63,33%	Pass													
6	Muhammad Taqi Pirzada	Did not attend														
7	Aravind S Kapali	78,33%	Pass													
8	Bahaa Nasr	73,33%	Pass													
9	Bassem Mezghani	78,33%	Pass													
10	Deepak Kumar Jain	93,33%	Pass													
11	Evangelos Lolis	70,00%	Pass													
12	Gaurav Khandelwal	83,33%	Pass													
13	Sander Tomatic	Did not attend														
14	Shahabuddin Habibullah	Did not attend														
15	Karoline Horisberger	70,00%	Pass													
16	Madhupriya Sundaram	75,00%	Pass													
17	Mohamed Fahim	75,00%	Pass													
18	mohammed alamri	60,00%	Pass													
19	Muhammad Aleem	Did not attend														
20	Muhammad Taqi Pirzada	63,33%	Pass													
21	Rafal Badri	73,33%	Pass													
22	Raza Sayyed	68,33%	Pass													
23	Sahel Haddadin	71,67%	Pass													
24	Sami ullah Khan	61,67%	Pass													
25	Sebastian Wolf	70,00%	Pass													

1	Question performance				
2	Question		Average	Question type	
3	1	A 37 year old female presents with a 3 month history of a swelling in	77,27%	Multiple choice	
4	2	If limited peritoneal carcinomatosis is incidentally found during lap	77,27%	Multiple choice	
5	3	A fit 47 year old woman presents with a large mass in her left retroper	81,82%	Multiple choice	
6	4	A 47-year-old female patient presents following inadvertent resecti	90,91%	Multiple choice	
7	5	A patient with suspicion of pancreatic cancer was taken to surgery an	100,00%	Multiple choice	
8	6	A previously fit 38 year old lady presents with a unifocal 4cm triple n	72,73%	Multiple choice	
9	7	Which one of the following is an absolute contraindication for adjuv	31,82%	Multiple choice	
10	8	A fit 25 year old female presents with a 7cm tender mass within her	59,09%	Multiple choice	
11	9	A 61 year old male with a history of melanoma resected 4 years ago	63,64%	Multiple choice	
12	10	A previously fit 68 year old lady presents with pain in the left thigh.	45,45%	Multiple choice	
13	11	Which of the following statements about short course pelvic radioth	68,18%	Multiple choice	
14	12	What is the ideal next step in the axillary management of a 58 year c	36,36%	Multiple choice	
15	13	Which one of the following statements about Breast implant associa	45,45%	Multiple choice	
16	14	Which one of the following is NOT a risk factor for lymphoedema of	68,18%	Multiple choice	
17	15	Which one of the following adverse effects is NOT linked to use of a	50,00%	Multiple choice	
18	16	A patient with a tumour of unknown primary has the following immun	72,73%	Multiple choice	
19	17	The correct definition of progression-free survival (PFS) is:	18,18%	Multiple choice	
20	18	What is the 5-year survival rate for patients who undergo curative h	81,82%	Multiple choice	
21	19	All of the following statements regarding prophylactic bilateral salp	45,45%	Multiple choice	
22	20	The best way to determine the need for operation in a patient with	90,91%	Multiple choice	
23	21	Fiberoptic endoscopy for colorectal cancer has replaced contrast ima	90,91%	Multiple choice	
24	22	The virus associated with nasopharyngeal carcinoma and Burkitt's ly	90,91%	Multiple choice	
25	23	What are suspicious characteristics of a pigmented lesion that raise	100,00%	Multiple choice	
26	24	In a patient with a melanoma of the anterior leg, 1.30 mm thick, the	4,55%	Multiple choice	
27	25	A 40-year-old man is admitted to the hospital after vomiting blood.	86,36%	Multiple choice	
28	26	After pancreatic surgery, which are among the most feared complica	90,91%	Multiple choice	
29	27	Which of the following is NOT a cancer hallmark?	90,91%	Multiple choice	

Candidate performance distribution



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Calibri 11 A A

B I U

Wrap Text Merge & Center

General

Normal Bad Good Neutr

Check Cell Explanatory... Input Linked

Clipboard Font Alignment Number Styles

A1 Candidate

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Candidate	Total	% Rank		1.4	2.3	3.1	4.4	5.4	6.3	7.1	8.1	9.2	10.2	11.2	12.3	13.4	14.2	15.5
2				Excluded?															
3		0		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4		0		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5		0		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6		0		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7		0		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8		0		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9		0		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10		0		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	Abdel Munem Abu Sba	38	19		1	0	1	0	1	0	1	1	1	1	1	0	0	0	0
12	Ahmed Aljiburi	38	19		1	1	1	1	1	0	0	1	1	0	1	0	1	1	0
13	Ali Omar Faraj Shagan	0		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	Aravind S Kapali	47	85,7		1	1	1	1	1	0	0	1	1	0	0	1	0	1	1
15	Bahaa Nasr	44	61,9		1	1	1	1	1	1	0	0	0	1	0	1	1	1	1
16	Bassem Mezghani	47	85,7		0	1	1	1	1	1	0	1	1	0	1	0	1	1	1
17	Deepak Kumar Jain	56	100		1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
18	Evangelos Lolis	42	38		1	1	0	1	1	1	1	0	1	1	0	0	0	1	0
19	Gaurav Khandelwal	50	95,2		1	1	1	1	1	1	0	1	0	1	1	1	0	1	1
20	Gordan Tometic	0		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
21	Gustavo Otto Klaebisch	0		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22	Karoline Horisberger	42	38		0	0	0	1	1	1	0	1	1	0	1	0	0	0	0
23	Iynda wylid	19	0		0	0	1	0	1	0	0	1	1	0	0	1	1	1	0
24	Madhupriya Sundaram	45	71,4		1	1	1	1	1	1	1	1	0	1	1	0	1	0	1

Clipboard: Paste, Cut, Copy, Format Painter

Font: Calibri, 11, Bold, Italic, Underline, Text Color, Background Color

Alignment: Wrap Text, Merge & Center

	A	D	E	F	G	H	I	J	K
1	Item	33% Item discrimination							
2	1.4	0							
3	2.3	0,43							
4	3.1	-0,14							
5	4.4	0,29							
6	5.4	0							
7	6.3	0							
8	7.1	0							
9	8.1	0,29							
10	9.2	0							
11	10.2	0,29							
12	11.2	-0,29							
13	12.3	0,43							
14	13.4	0,14							
15	14.2	0,14							
16	15.5	1							

In addition, during the reviewing process, one reviewer should have the status of “master reviewer” authorized for taking into consideration all comments and opinions of other reviewers and to finally decide whether the question is approved or not.

Answer: It is possible to set up that role. In my opinion most boards will have a 3 step review process.

Step 1: Write and initially review questions. Usually more than needed for the exam. Review by multiple reviewers. After this step the person in charge (e.g. exam board) will decide which questions move on to next phase if there are conflicting reviews.

In addition, during the reviewing process, one reviewer should have the status of “master reviewer” authorized for taking into consideration all comments and opinions of other reviewers and to finally decide whether the question is approved or not.

Answer: It is possible to set up that role. In my opinion most boards will have a 3 step review process.

Step 2: Decide on a list of plausible questions for the exam with an allocation to different parts of the curricula in accordance with blue print. Usually more questions than needed. Each question is reviewed by multiple reviewers. Some questions may be discarded in this process.

In addition, during the reviewing process, one reviewer should have the status of “master reviewer” authorized for taking into consideration all comments and opinions of other reviewers and to finally decide whether the question is approved or not.

Answer: It is possible to set up that role. In my opinion most boards will have a 3 step review process.

Step 3: Final selection. The final questions are selected. May possibly also be followed by a mock exam to see the exam exactly as the student would see it. We have a function already for master reviewer and could set that up. We would need for UEMS Surgery to agree on a common review process across all divisions. It can be easy or complex but should be the same across divisions.



Conclusion:

Online exam is a leap forward, which makes everything much easier.

Advanced workshop is needed.