PZ10 Clinical microbiology I – general

To study: Sampling, specimen transport (from textbooks, www etc.)

From spring term: Microscopy

Task 1: Indications for microbiological examination

For following casuistries, fill in the table.

- Fill in always the case description (left column).
- 2 Try to find out your solution. Try to structure your answer as follows:

Microbiological examination: yes/no

- \diamond yes \rightarrow select a specimen
- \bullet no \rightarrow select other steps, e. g. direct treatment what antibiotics etc.)

3 After the three minute limit, write down a correction according to the teacher's explanation.

	Description of a case	Your solution (① 3 minutes)	Correction according to the
	Description of a case	1 our solution (© 3 minutes)	
			teacher's explanation
a			
b			
c			
d			

Task 2: Swabs and vessels

Observe the swabs in your table and fill in their "identity cards".

Name: Plain swab		
	Stick material	plastic, wood, aluminium
Nienal ah	Swab material	synthetic cotton
Practical use:		

Name	DM Red box team	Date18. 11. 2018	Page 1/4
		_	

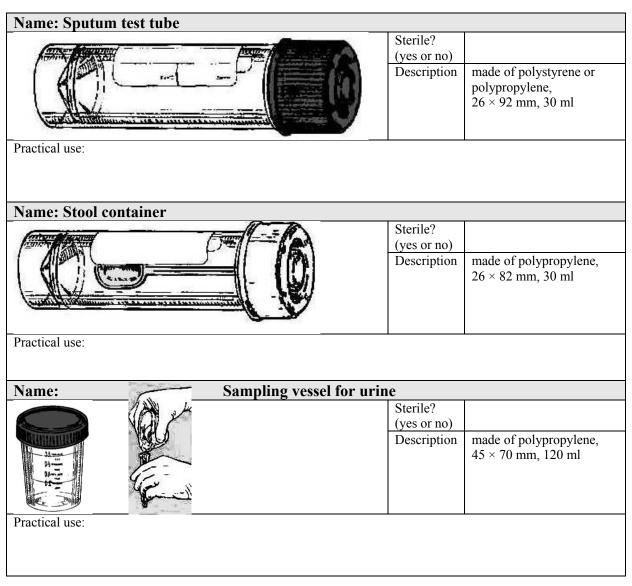
Stick material

plastic or

Name: Swab with Amies transport medium

			aluminium
Dens of	Swab materia	ıl	synthetic cotton
	Medium		Amies (Stuart,
			Cary Blair)
Note: The medium may contain charcoal (then it is black); without ch	arcoal, it woul	d be col	ourless.
Practical use:			
Variant with aluminium stick is used for			
Name: Fungi-Quick swab			
	Stick materia	1	plastic
	Transport me		colourless
	colour	aram	Colouriess
Name	Cap colour		
Non the Control of th			
Uhay Labor			
Practical use:			
Name: C. A. T. swab			
	Stick materia	1	plastic
	Transport me	dium	colourless
	colour		
	G 1		
Managast Ma. Approprie 1000	Cap colour		
Para No			
Ukan Land			
Practical use:	-1		
Name: Common test tube for microbiology			
	Sterile?		
Contraction of the second seco	(yes or no)		
	Description	made o	of polystyrene,
No. of the last of	1	16 × 1	00 mm, 10 ml
The state of the s			
Dur. 43 - 1			
Practical use:			

Name _____ DM Red box team ____ Date18. 11. 2018 Page 2/4



Task 3: Other sampling methods than swabs and vessels

Fill in the following table:

Fill lif the following table.	
Sampling method	Typical example(s) of use
smear on a slide	
imprint with an agar	
moulage method (indirect imprint)	
uricult	

Task 4: The order form

a) Filling in the order form

Fill in the following order form with a patient name and data and the requested examination related to the disease, according to a card that has been given to you by the teacher.

Examples of a description to be written on the request form (in "Požadováno" field):

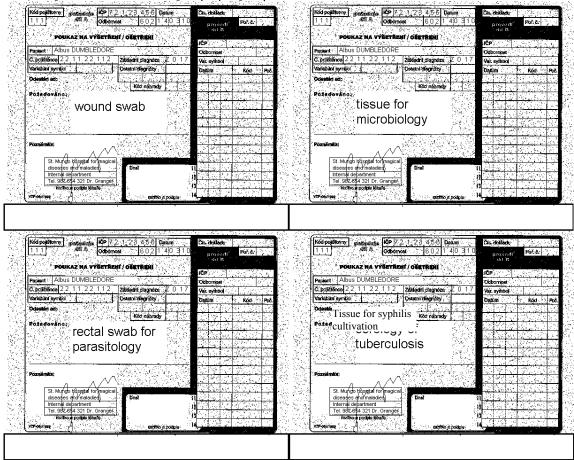
- Throat swab for bacteriology examination
- Blood for antibodies againts EB virus and cytomegatovirus
- Stool for parazites (after stay in Congo and Gabon)

Name	DM Red box team	Date18. 11. 2018	Page 3/4

	ICP Datum	Čís dokladu	
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		a de fil	100
POUKAZ NA VY	ŠETŘENÍ / OŠETŘENÍ	ĪČP	
Pacient		Odbornost	6.7
Č. pojištěnce	Základní diagnóza	1 831	
Variabilní symbol	Ostatní diágnózy	Var. symbol	124-1
Odeslán ad:		Datum	Kód
Odesian ad:	Kód náhrady		
Požadováno;	<u> </u>		
		Lau Juliu	
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		17	
razitko a podpis lékař	, M	17	

b) Order form common mistakes

To each of the following order forms write down what is wrong. There are some mistakes at filling in the order form, but you should also identify improperly requested examinations.



Name _____ DM Red box team ___ Date18. 11. 2018 Page 4/4

Task 5: Interpretation

പ	Direct	diagn	actia	intor	nratation
a)	Direct	uiagii	osuc	IIItei	pretation

Using the table in the slideshow, write the likely interpretation for first five of various findings written on cards available on your table. Use terms "pathogen", "common flora", "accidental finding", "colonization" and "contamination"

Finding	Interpretation		
rinding	interpretation		
b) Indirect diagnostic interpretation			

Interpret several clinical situations with data given on the card. Do not forget to make your interpretation on the base of both clinical findings and laboratory results (clinical findings). Chose only four of five situations.

Rewrite from the card (simplify the s	Conclusion	
Clinical situation	Clinical situation Serology examination results	

Name _____ DM Red box team ____ Date18. 11. 2018 Page 5/4