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.

U F	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			
			teacher's explanation			
a			•			
b						
c						
d						

Task 2: Swabs and vessels

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

Observe the swabs in your table and till in their identity cards.		
Name: Plain swab		
	Stick material	plastic, wood, aluminium
Dienot ah	Swab material	synthetic cotton
Practical use:		
Name: Swab with Amies transport medium		
	Stick material	plastic or aluminium
Por and the second	Swab material	synthetic cotton
	Medium	Amies (Stuart, Cary Blair)
Note: The medium may contain charcoal (then it is black); without char	arcoal, it would l	be colourless.
Practical use:		
Variant with aluminium stick is used for		

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Name: Fungi-Quick swab			
8	Stick materia		plastic
	Transport me	edium	colourless
Appello Della Control Della Co	Cap colour		
Practical use:			
Name: C. A. T. swab			
8	Stick materia		plastic
	Transport me	edium	colourless
	Cap colour		
Practical use:			
Name: Common test tube for microbiology			
- Av	Sterile?		
See 1910	(yes or no)		0 1
	Description made of polystyrene, 16 × 100 mm, 10 ml		
Practical use:			
Name: Sputum test tube	1 ~ 4 4	I	
force the country	Sterile?		
	(yes or no) Description	polypr	of polystyrene or copylene, 2 mm, 30 ml
Practical use:			
Name: Stool container			
Construction Francisco	Sterile?		
	(yes or no) Description	made of 26 × 8	of polypropylene, 2 mm, 30 ml
Practical use:			

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Name:		Sampling vessel for urin	e	
			Sterile?	
January III	VICES		(yes or no) Description	made of polypropylene,
23			2 comption	45 × 70 mm, 120 ml
Practical use:				

Task 3: Other sampling methods than swabs and vessels

Fill in the following table:

Sampling method	Typical example(s) of use
smear on a slide	
imprint with an agar	
moulage method	
uricult	

Task 4: The order form

a) Filling in the order form

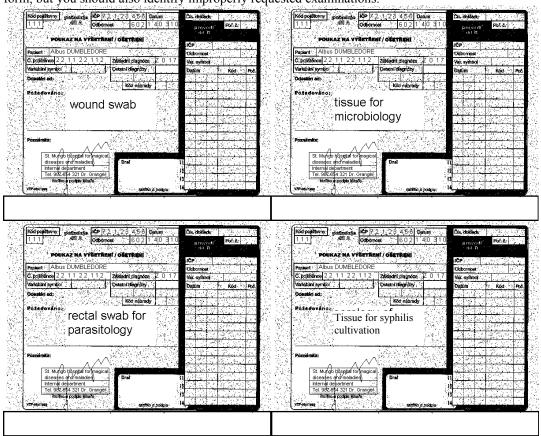
Fill in the following order form with a patient name and data and the requested examination related to the disease, according to a card that has been given to you by the teacher.

Kód pojišťovny požaduje li	ČP Datum	Čís. dokladu
dn A [c	Odbornost ETŘENÍ / OŠETŘENÍ	provedi Poř.č.
	ETRENT/ OSE TRENT	IČP
Pacient	현대가 없는 아니다	Odbornost
Č. pojištěnce	Základní diagnóza	Var. symbol
Variabilní symbol	Ostatní diagnózy	Datum Kód Poč
Odeslán ad:	Kód náhrady	
Požadováno:		3 4 5 6
Poznámka:	Dne!	8 9 10 11 11 12 12 12 12 12 12 12 12 12 12 12
razítko a podpis lékaře VZP-06x/1999	razítko a podpis	13

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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.



Task 5: Interpretation

a) Direct diagnostic interpretation

Using the table in the slideshow, write 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

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 sentences)		Conclusion
Clinical situation	Serology examination results	

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