

Organizing The OSCE /OSPE Station

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OSCE/OSPE planning



- **Location**
- **Space**

Factors influencing reliability of OSCE



- **The Length of the whole OSCE**
- **The Length of Station**
- **The number of station**
- **The diversity of Skills**
- **Training the examiners**
- **Non Standardized patients**
- **Combining tests**
- **Check list**

How many and how long..?



- **4-15min**
- **20 stations plus rest station takes over 2hrs at five mins per station**
- **If the task can be done in 5mins by a majority of candidates, adding extra time makes the station no more reliable and valid**



Planning: OSPE/OSCE station

What do you wish to assess...

- **Clinical methods**
- **Practical procedures**
- **Problem solving & Clinical reasoning**
- **Interpretation of laboratory data**

Station- types



- **Procedure station**
- **Response station**
- **Linked station**
- **Rest station**
- **Critical station**

OSPE/OSCE Grid-Discipline based



	Hx taking & diagnosis	Physical exam.	Procedure	Counseling/Education	Investig.
CVS					
Endocrine					
Neurology					
Anaesthesia					
Haem & LN					
Family Med					
Ortho					
OBGY					

OSPE /OSCE Grid –System Based



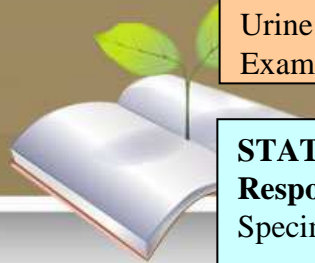
	Hx & Diagnosi s	Physical Exam.	Proced ure	Counse ling/Ed ucation	Inv.
CVS					
RS					
GI					
CNS					

	Hx	Physical Exam.	Procedure	Counseling/Education	Xray	Form	Tests
Gen.Sx	+	++		+	+	+	+
Vascular	+	+					
Urology	+		+				
Neuro .Sx		+			+		
Critical Care					+		
Radiology					+		



Checklist of resources

- **Examiners /observers**
- **Patients- real /simulated**
- **Co-ordinator**
- **Equipment- furniture tables chairs stop watch electrical bell**
- **Paperworks- checklists/instructions for examiners sheets for students & brief for simulated patients**
- **Allocation of marks & validation of questions**



STATION 1:
Procedure Station:
Urine: Physical/ Chemical Examination

STATION 12:
Response Station:
Specimen: Systemic Pathology

STATION 11:
Response Station:
Slide: Systemic Pathology

STATION 10:
Response Station:
Specimen: General Pathology

STATION 9:
Response Station:
Slide: General Pathology

REST STATION

STATION 8:
Procedure Station:
Attitude testing/ Counselling skill testing



STATION 2:
Response Station:
Urine: Physical/ Chemical Examination

STATION 3:
Response Station:
Urine: Microscopy/ Chart interpretation

STATION 4:
Procedure Station:
Hematology Procedure

REST STATION

STATION 5:
Response Station:
Hematology/ Clinical Pathology Instrument/ Slide

STATION 6:
Response Station:
Hematology Chart Interpretation

STATION 7:
Response Station:
CSF/ Clinical Pathology Chart Interpretation



Final Day.....



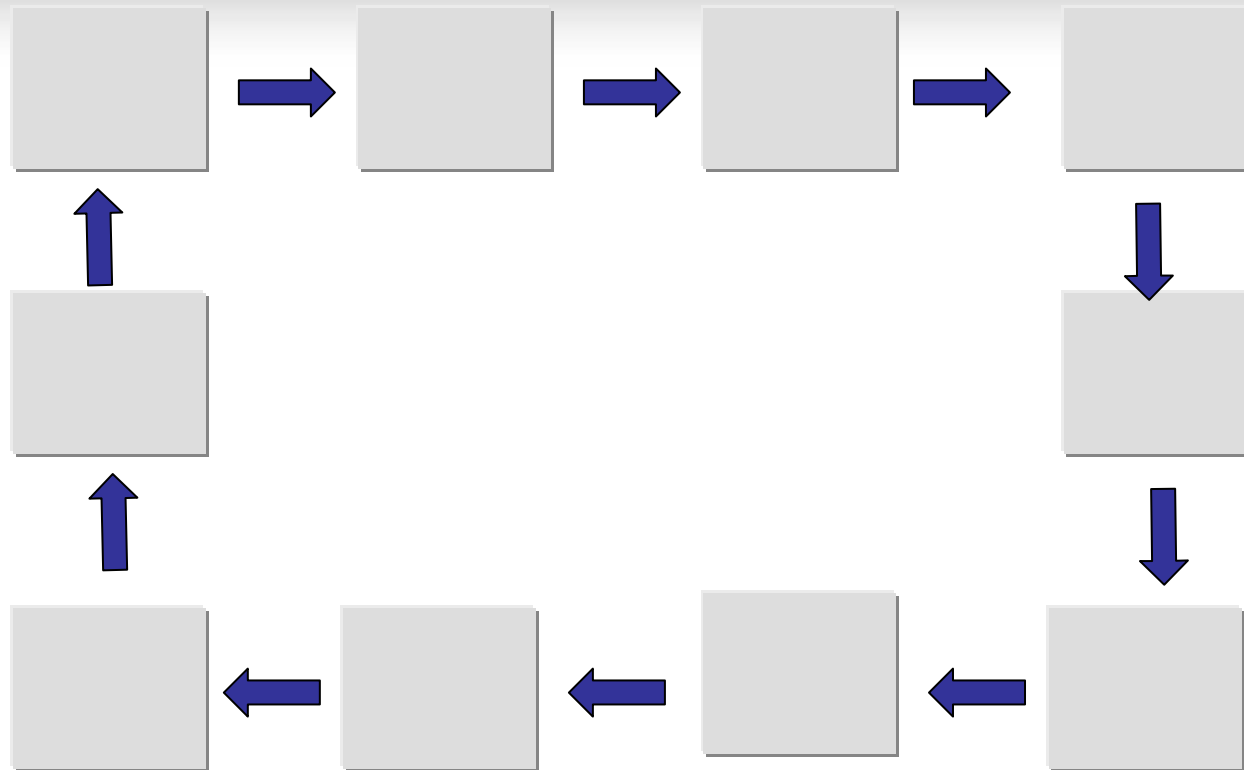
- **Brief the students**
- **Station map**
- **Instruction sheet**
- **Answer booklet**



Instructions to students

1. Prominently display roll no.
2. Number of stations -**10**
3. Proceed in clockwise manner
4. Time allotted -**'5' min** (each station)
5. Start & end of time (ring of bell)
6. Clear instructions at each station
7. Write answers on the sheet provided
8. No negative marking

Station backbone

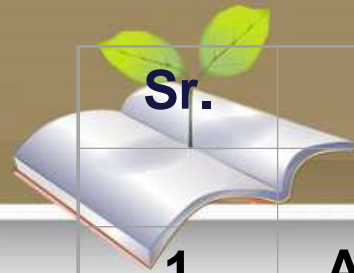


Possible Stations



- **Communication- telephonic**
- **Counselling- a trained SP**
- **Breaking bad news**
- **Intubation/CPCR- anesthesia manikin**
- **Assembling equipment- i.v infusion set**

Check list for History



Sr.	Item	Candidates			
		1	2	3	
	+1/0				
1	Age				
2	Duration				
3	Smoking/tobacco chewing				
4	Claudication distance				
5	Claudication grade				
6	Factors which exacerbate				
7	Factors that relieve				
8	Addresses patient by name				
9	Frames questions clearly				
10	Thanks patient				
	Total marks (10)				



Sr	Item ↓ →	Candidate No.	1	2	3	4
1	Introduces & explains the patient +1/0					
2	Elicits fluctuation of nail bed + 2/0					
3	Compares both hands +2/0					
4	Examines toes +2/0					
5	If clubbing is ++, looks for periosteal reaction +2/0					
6	Thanks patient +1/0					
	Total marks (10)					

Instructions to observer-Mark(+) if yes/done .Mark(-) if no or not done

Name of observer:

Signature:



Procedure Station

Task: Perform examination to detect proteins in the given urine sample. Write down interpretation in your answer book

Equipment: Urine sample, Test tubes with stand, Spirit lamp, Test tube holder, matchbox, 10% acetic acid

Perform examination to detect proteins in the given urine sample. Write down interpretation in your answer book



	STUDENTS' ROLL NUMBER										
	Marks given if done/ not done	1	2	3	4	5	6	7	8	9	10
1. Filled test tube up to 2/3rds with urine	2 / 0										
2. Acidified with 10% acetic acid	1/0										
3. Heated top of the test tube	2/ -1										
4. Added acetic acid if turbidity appears	2/ -1										
5. Re-heated the test tube at the upper part	1/ 0										
6. Recorded findings correctly in answerbook with grade	2/ 0										
Total score											

Response Station



Slide of a tuberculous lymph node is focussed under the microscope

- **Identify the organ of involvement** **1mark**
- **Identify the pathology** **1 mark**
- **What are the diagnostic points in**
- **favour of your diagnosis** **2 mark**
- **Name 2 sites not commonly involved**
- **by this lesion** **1 mark**



OSCE/OSPE designing

- **Group objective structured practical examination (GOSPE):** evaluates skill of a performance in group activity
- **Computerised objective structured practical examination(COSPE) :** questions projected on a LCD screen

Feedback



- **Observer feedback**
- **Student feedback**



THANK YOU