

Karpaga Vinayaga Institute of Medical Sciences and Research
Centre

Department of Community Medicine

OSCE & OSPE

Station 1	Knowledge/ Response station
Station 2	Interpretation station
Station 3	Communication station
Station 4	Psychomotor station

I. Knowledge /Response Station

- **35 year old Mr. Murugan, who is lorry driver by occupation, with the H/o Sexual Contact with commercial sex worker, had chronic cough diarrhoea for more than a month and loss of weight of about 3 kgs.**
1. What are all the investigations would you like to do?
 2. What is the diagnosis of the patient?
 3. What do you mean by window period?
 4. How will you counsel this patient ?
 5. List 4 opportunistic infections that can occur in this patient.

Answers

1. ELISA, VDRL
2. HIV/AIDS
3. The period between infection and before the production of antibodies
4. Information on treatment , condom promotion , peer group counselling and behavioural changes
5. TB, Candida esophagitis , Cryptococcos meningitis, Pneumocystis carinni pneumonia

II. Interpretation Station

Master Sushanth, 10 months old male child who has never been vaccinated is brought to the Primary Health Centre for Immunisation.

1. Can all the due vaccines be given to the child on the same day?
2. If the mother permits administration of only one injection which vaccine should be given?
3. Why is it not advisable to clean the injection site especially for live vaccine, with a spirit swab before vaccination?
4. Can this vial be used for vaccination? What is the reason for your decision?



5. Carefully observe the picture and mention the route of administration & name of the vaccines given to the child at the following sites a) right upper arm b) thigh c) left upper arm.



Answers

1. Yes, all the due vaccines can be given during the same session but at different injection sites using separate AD syringe.
2. Priority is to be given to measles vaccine, OPV and Vit. A
3. This is because some of the live components of the vaccine are killed if they come in contact with spirit
4. No. Thermoregulatory mechanism has failed as indicated by Vaccine vial monitor where inner square is darker than the outer circle.
5. a) Right upper arm – Measles, sub Cutaneous
b) Thigh - Pentavalent, deep intramuscular
c) Left Upper Arm- BCG, Intra dermal

III. Communication Station

Mrs. Sunitha, 23 years old, newly married female with 2 months of amenorrhoea comes to your OPD. Urine Pregnancy card test is positive. Counsel her for Antenatal Care.

Checklist

Components	Marks	S-1	S-2	S-3
Greet & rapport	1			
Importance of registration and min number of visits	1			
Importance of IFA	1			
Diet & rest	1			
Closure	1			

IV. Psychomotor Station

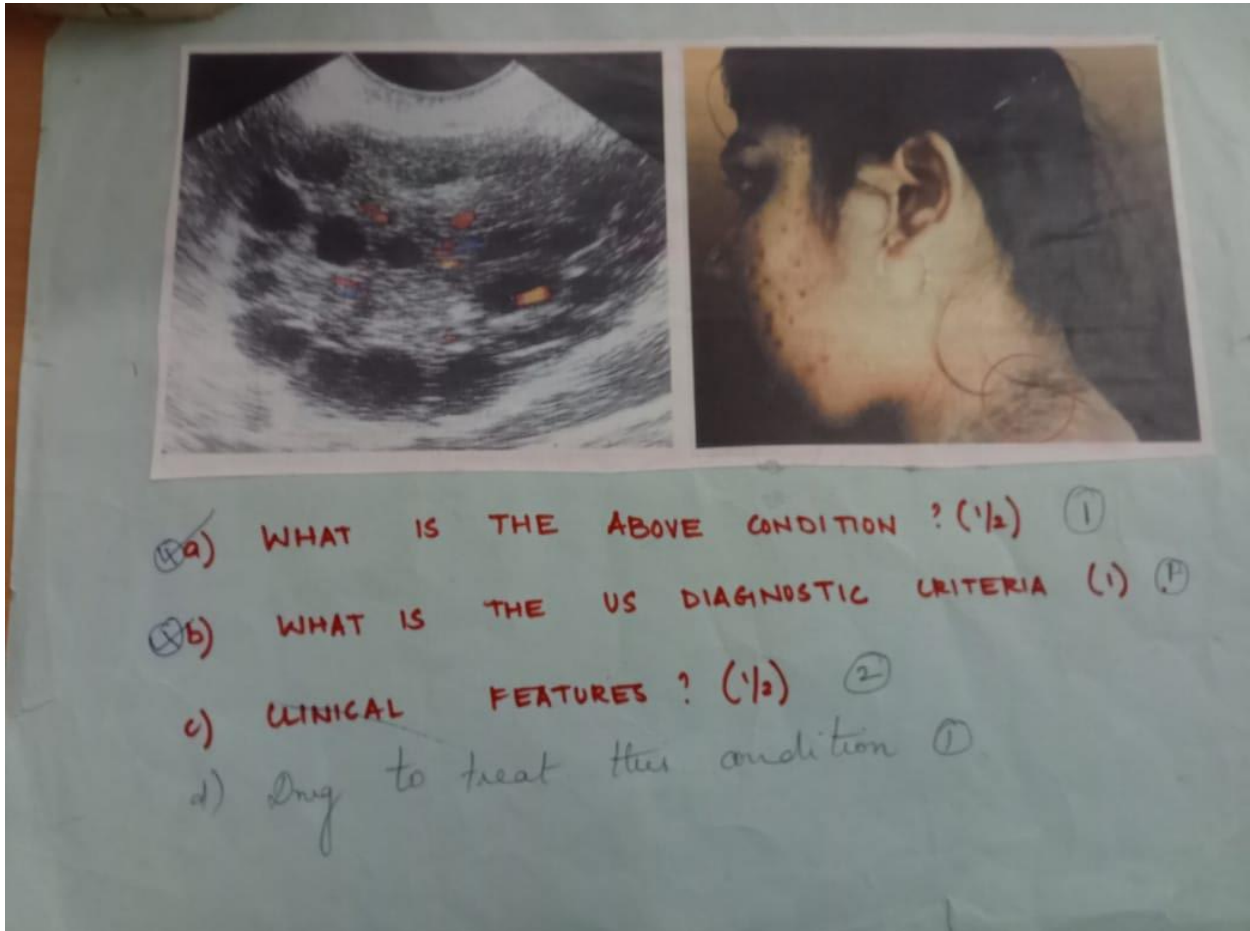
- Mr Shankar, 23 year old male comes to your OPD for pre-employment physical examination. Record his weight and height as part of clinical examination and interpret.

Checklist

Components	Marks	S-1	S-2	S-3
Greet & explain	1			
Recording of weight with necessary instructions	1			
Recording of height with necessary instructions	1			
Calculate BMI	1			
Inference	1			

OSPE and OSCE (question answer format)

(Assessing knowledge)



**KARPAGA VINAYAGA INSTITUTE OF MEDICAL SCIENCES &
RESEARCH CENTRE**

DEPARTMENT OF COMMUNITY MEDICINE

OSPE

COMMUNICABLE DISEASES

ACUTE DIARRHEAL DISEASES

1. A five month old infant has come to you with diarrhoea. Her birth weight was 3 kg, she is on exclusive breast feeds.
 - a. List 4 signs of dehydration
 - b. If ORS packets are not available, how do you prepare homemade ORS?
 - c. What is the role of Zinc supplementation in this child?
 - d. What is the recommended dosage for Zinc supplementation for this child?

ACUTE RESPIRATORY INFECTIONS

2. Nine months old Rekha was taken to a health subcentre with the history of cough and difficulty in breathing. On examination, her respiratory rate is 65 per minute and chest in-drawing is present.
 - a. What is the clinical diagnosis?
 - b. What action should be taken by the female health worker at the sub-centre?
 - c. Enlist the danger signs you should check for in this child.
 - d. What are the vaccines recommended for prevention of such infections in the community?

OSPE Total Marks: 3

Photograph Interpretation Marks: 1

Correlation of Weapon/Object with Injury.

DNA Analysis Marks: 1

What are the samples to be collected for the DNA ANALYSIS in dead Persons?

Viscera Packing Marks: 1

- What are the routine viscera preserved for chemical analysis?
- What are the commonly used Preservative for chemical analysis?

Department of Forensic Medicine & Toxicology



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Department of Microbiology

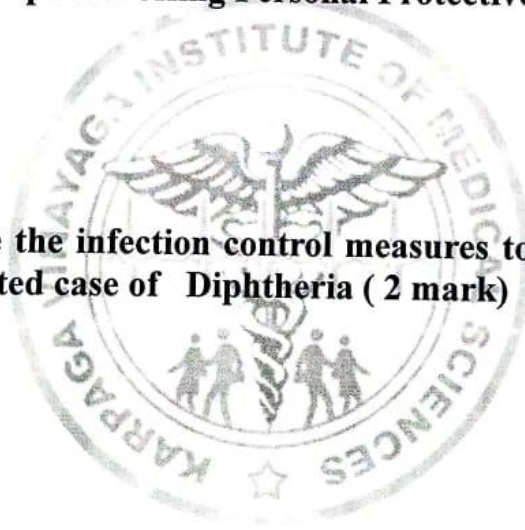
OSPE STATION –II



**1. List the steps of Donning Personal Protective equipment
(1 mark)**

**2. List the steps of Doffing Personal Protective equipment
(1 mark)**

**3. What are the infection control measures to be followed
for a suspected case of Diphtheria (2 mark)**




Professor and Head
Dept. of Microbiology
KIMS

OSPE : Department of Anatomy



The image shows a clinical photograph of a baby with a clenched fist, labeled 'clench'. Below it is a karyotype showing 22 pairs of autosomes and sex chromosomes. Chromosome 13 is circled in yellow, indicating a genetic condition. The sex chromosomes are labeled as XY or XX.

A) Identify the Genetic condition
B) Write the cause and clinical features of this condition

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