



Hong Kong Intercollegiate Board of Surgical Colleges

## Briefing to Basic Surgical Trainees on HKICBSC Membership Part 3 (OSCE) Examination

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Hong Kong Intercollegiate Board of Surgical Colleges

### Today's Programme:

1. Presentation of powerpoint on general information about OSCE and format of new OSCE for MHKICBSC Exam
2. Video for brief introduction on OSCE stations
3. Q & A



Hong Kong Intercollegiate Board of Surgical Colleges

## Objective Structured Clinical Examination (OSCE)

This Power-point presentation is divided into 2 parts

I : General information about OSCE

II : Format of new OSCE for MHKICBSC Exam

Presentation on behalf of Hong Kong Intercollegiate Board of Surgical Colleges  
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Presented by Dr Andrew Yip (Censor-in-chief)

## I : General information about OSCE

### What is an OSCE?

- Objective
- Structured
- Clinical
- Examination

### OSCE

- A modern type of examination in medicine (health science)
- A form of performance – based testing used to measure candidates' clinical competence
- A form of multi-station examination for clinical subjects

## Features of OSCEs

- Stations are short (5-10 minutes)
- Stations are numerous
- Stations are highly focused, candidates are given very specific instructions
- A pre-set structures mark scheme is used
- Reduced examiner input and discretion

## During the exam

- Each candidate is examined on a one to one basis
- He/She is observed and evaluated in each station
- Each station had a different examiner
- Candidates are tested on the same questions in each station.

## OSCE - Objective

- All the candidates are presented with the same test
- Specific skill modalities are tested at each station
  - History taking
  - Explanation
  - Clinical examination
  - Procedures

## OSCE -Structured

- The marking scheme for each station is structured
- Structured interaction between examiner and student

## OSCE

Emphasis on:

- What candidates can do rather than what they know
- The appreciation of knowledge rather than the recall of knowledge

=> Clinical skill are tested rather than pure theoretical knowledge

## Advantages of OSCES

- Careful specification of content = Validity
- Observation of wider sample of activities = Reliability
- Structured interaction between examiner & Student
- Structured marking schedule
- Each student has to perform the same tasks = Acceptability

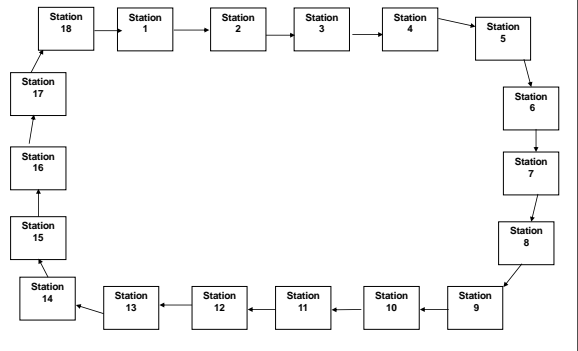
## What can be assessed in OSCE?

### Examples

- History taking
- Physical examination
- Ability to perform procedures
- Data and investigations interpretation
- Patient education
- Communication skills
- Anatomy & Pathology specimens
- Use of medical equipment
- etc. etc.

## Structure of OSCE Stations

\*Example\*



## II : Format of new OSCE for MHKICBSC Exam

## Hong Kong Intercollegiate Board of Surgical Colleges Membership Examination

### Part 3 Objective Structured Clinical Examination (OSCE)

## Hong Kong Intercollegiate Board of Surgical Colleges Membership Examination (HKICBSC)

### Part 3 Examination

Commencing March 2011

Original

- Clinical vivas & bedside

New

- Objective Structured  
Clinical examination (OSCE)

## HKICBSC Membership Examination Part 3

### Old Examination –

1. Viva examination -  
three panels - Applied physiology & Critical care  
- Surgical pathology & surgical management  
- Principle of surgery & operative surgery  
(20 minutes each panel)  
(each panel, two examiners)
2. Bedside examination  
4 bays - Head & neck, breast/ axilla, skin  
- Trunk, groin & scrotum  
- Vascular  
- Orthopaedic  
(15 minutes each bay)  
(each bay, two examiners)

## HKICBSC Membership Examination Part 3

### Old Examination (cont'd)

- 3. Communication skills
  - 2 bays - Information giving
    - Information gathering(10 minutes each panel)  
(each bay, two examiners)

## New examination

### Most important messages

- Change in format
- Examination syllabus -- THE SAME
  - still has beside clinical examination
  - still has communication skill bays

## MHKICBSC\_Part 3 (OSCE)

- Introduced from 2011
- Two diets organized annually, in March & September

## Format of OSCE

- 16 examined stations and two or more preparatory stations
- Each station lasts for 8 minutes and one minute for reading instruction
- Candidates are examined in circuit and must complete all stations

## Format of OSCE

- 16 examined stations will examine the following TWO broad content areas:
  1. Basic & Applied Science
  2. Communication & Clinical

## Format of OSCE

- Each broad content area consist of following stations:

### **Basic & Applied Science**

1. Basic & Surgical Anatomy
2. Basic & Surgical Anatomy
3. Basic & Surgical Anatomy
4. Pathology
5. Critical Care
6. Critical Care
7. Technical Skills
8. Pre-operative Assessment (Anaesthetic & Surgical)  
Clinic / Patient Safety / misc

## Format of OSCE

- Each broad content area consist of following stations:

### **Communication & Clinical**

1. Communication with senior or a colleague from other departments
2. Communication with patient / relative: history taking / breaking bad news
3. Communication (Informed consent)
4. Clinical (Head & Neck)
5. Clinical (Orthopeadics)
6. Clinical (Breast/lump & bumps/plastic)
7. Clinical (Vascular)
8. Clinical (Abdomen and Hernia)

## Format of OSCE

- Preparatory station will be arranged before the following station for candidate to read scenario:

### **Basic & Applied Science**

- Critical Care

### **Communication & Clinical**

- Communication with Senior

## Date of Examination

- Registration & Briefing
  - All candidates must arrive exam venue at designated time for registration
  - A briefing will be provided to candidates prior to the commencement of the exam
- Examination
  - Candidates cannot leave the exam venue until completion of the exam
- Result
  - Examination result will be posted to candidates

## Before Commencement of Examination

- Candidates
  - will be checked Exam notice and identity card
  - will be issued a candidate number & number labels
  - will be collected all electronic transmission devices
  - will be briefed
    - the layout of stations, preparatory stations
    - starting positions
    - time management
  - should listen carefully to the information given at the briefing
  - should make sure understand how the exam circuit is to be run at this stage

## Before Commencement of Examination



- Candidate start with preparatory station will be leaded to station to read scenario.
- Rest candidates will be leaded to front of station to stand by.

## Before Commencement of Examination

- Candidates
  - should start reading the instructions when hearing the announcement of  
“Candidates you now have 1 minute to read the instruction”

## Examination Begins



Candidates should not enter the examined station until there is announcement to indicate examination starts.

→ a short bell

→ announcement of "Examination begins"

## At the station

- There is an Examiner & sometime with an observer who will not examining the candidate
- A short bell will be rung when reach 6 minutes to indicate 2 minutes left
- Candidates
  - should remain in the station if they completed the station less than 8 minutes
  - should leave the station when hearing instruction of end of the station

## End of station

- Candidate
  - Should proceed to next station and read the instruction of following station followed by the instruction provided
  - The same steps repeat until candidates go through all the stations

Candidates should follow any instructions given by administrative staff / invigilator during the exam

## Feature of Examined station at a glance

## Basic & Surgical Anatomy Stations

- Features of station
  - Candidate will be asked questions by the examiner
  - aids such as x-ray and specimens will be used for the stations if necessary

## Anatomy Station : Example



Candidate is being examined on X-ray reading

## Anatomy Station : Example



Candidate is being examined on specimen.

## Anatomy Station : Example



Candidate is being examined on specimen.

## Pathology Station

- Features of station
  - Time will be given candidates to study the data and report provided at the station before questioning
  - Candidate will be asked questions by the examiner

## Pathology Station: Example



Candidate is studying data and chart at the station

## Pathology Station: Example



Candidate is being questioned by the examiner

## Critical Care Stations

- Features of station
  - Time will be given candidates to study the scenario, a preparatory station will be arranged before proceed to one of the Critical Care stations
  - Data and chart will be provided at the station
  - Candidate will be asked questions by the examiner
  - aids may be used for the stations

## Critical Care Station: Example



scenario, data and chart are provided at the station to candidate

## Critical Care Station: Example



Candidate is given time to read the scenario, data and chart when enter the station

## Critical Care Station: Example



Candidate is being questioned by the examiner

## Technical Skills Station

- Features of station
  - Instructions and equipment will be provided to candidate at the station
  - Candidate will need to follow the instructions and perform the necessary procedures required
  - May have surrogate patient

## Technical Skills Station: Example



Candidate is informing surrogate patient about procedure



## Technical Skills Station: Example



Candidate is performing the procedures required for the lump

## Technical Skills Station: Example



Candidate is stitching on the wound of the surrogate patient

## History Taking

- Features of station
  - Candidate will be required to interact with taking history from a patient
  - Patient and Examiner will ask you some questions

## Preparatory Station

- Features of station
  - Candidate will be provided information to be examined in the next station
  - Candidate should use the duration of station to study the information and get prepared for next station
  - Usually arranged before the station of Communication with senior / colleague

## Preparatory Station: Example



## Communication with Senior

- Features of station
  - Candidate will be examined on information of patients provided at the preparatory station
  - Candidate will need to pick up a phone to call the examiner and discuss the patient situation on phone with the examiner
  - Candidate will be alone in the station

## Communication with Senior: Example



Candidate is reporting to the senior on phone

## Communication with Senior: Example



Candidate is referring to the information provided and discussing with senior

## Communication with Senior: Example



Examiner is asking questions on phone in other room

## Communication Station (Informed Consent)

- Features of station
  - Scenario will be provided to candidate and surrogate patient
  - Candidate will need to obtain consent from surrogate patient for operation
  - Surrogate patient will be asked to sign the Informed Consent Form
  - Examiner will not interact with candidate

## Communication Station (Informed Consent): Example



Candidate is explaining the situation to surrogate patient

## Communication Station (Informed Consent): Example



Surrogate patient agreed and signed the informed consent form

## Clinical Station

- Features of station
  - Candidate will be examined on physical examination of a patient.
  - Candidate will be given time to interact with patients
  - Candidate will be asked question by the Examiner on diagnosis

## Marking

- Each station is marked out of a total of 20 marks according to the structured mark sheets
- To score the highest marks, it will be necessary for a candidate to demonstrate the knowledge, skills, communication and professional characteristics described by the domains across the stations

## Marking

- At each station, candidates will be awarded a rating on the performance as follows:
- Pass, Borderline, Fail

	Fail	Borderline	Pass
Final mark (please mark the score)			

## Marking

- The score obtained in each station and the overall global rating for the station will be used to assess the overall performance of passing the OSCE under the marking criteria.

## Criteria to Pass

- There are 320 marks available in total, the pass mark is 240.
- Candidates must pass at least four of five clinical stations.
- Candidates must pass at least six of eight stations of each broad content subject to statistical analysis of overall performance.
- Candidate must pass at least two out of three Communication stations.

## Note to Candidate!

- Candidate
  - must report attendance punctually at the exam registration venue according to the registration time indicated in Exam Notice.
  - attending morning/1<sup>st</sup> session will be released after 15 minutes of reporting time of afternoon/2<sup>nd</sup> session batch of candidates.
  - fail to report at the designated registration time will be disqualified from taking the exam.
  - must bring the Exam Notice and approved evidence of identity for registration.

Thank you