

T Level Technical Qualification in Health

Occupational specialism assessment (OSA)

Dental Nursing

Assignment 4 - Objective structured clinical examination
(OSCE)

Assignment brief

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Guidance for students

Student instructions

- listen to the internal provider assessor instructions carefully; the internal provider assessor instructions will give you information on how the assessment will be completed
- each OSCE station will come with a set of written instructions; you must read the instructions provided before starting each practical assessment
- you must not start the assessment until after you have read the instructions and the internal provider assessor has told you to start

Student information

- you will have between 10 and 15 minutes for each OSCE station; this will include 5 minutes to read the instructions and observation details and make notes where required, and 5 or 10 minutes to complete each one, depending on the observation
- if you are completing more than one observation at any one time, you will have a 5 minute break between each OSCE station; this allows for the station to be set up for the next student. Do not move on to the next station until you are told to do so by the internal provider assessor
- the maximum time you will have to complete all 10 activities is 2 hours, though these may be completed at different times
- the total time for the assessment including set up time for each station is 2 hours and 45 minutes
- you will be assessed against knowledge and skills performance objectives
- you can fail to achieve marks if you do not fully meet the requirements of the observations, or equally if you are not able to efficiently meet the requirements of the assessment
- the total number of marks available for this assessment is 81:
 - observation 1 is worth up to 9 marks
 - observation 2 is worth up to 6 marks
 - observation 3 is worth up to 6 marks
 - observation 4 is worth up to 12 marks
 - observation 5 is worth up to 9 marks
 - observation 6 is worth up to 6 marks
 - observation 7 is worth up to 9 marks
 - observation 8 is worth up to 12 marks
 - observation 9 is worth up to 6 marks
 - observation 10 is worth up to 6 marks
- for stations 2, 4, 8 and 10, you will be working with a simulated patient

Station 1: mixing alginate

9 marks

Student instructions

- you have 5 minutes to read the observation description, instructions and equipment list before starting the observation
- you have a further 10 minutes to complete the observation

Observation description

- you are required to mix alginate to the correct consistency - a second mix of alginate may be attempted if you are dissatisfied with the first mix

You must also:

- select, apply and wear PPE correctly
- prepare the equipment prior to mixing
- dispose of all excess material

Once you are happy with your mix, you must inform your internal provider assessor.

Equipment

You have been provided with the following materials and equipment:

- disinfection materials
- curved spatula
- rubber mixing bowl
- alginate material
- alginate adhesive
- tepid water
- measuring cup
- silicon based material (crown prep)
- glass slab
- masks
- gloves
- apron
- visor
- disinfection wipes
- orange clinical bag

Station 2: medical emergency

6 marks

Student instructions

- you have 5 minutes to read the observation description, instructions and equipment list before starting the observation
- you have been provided with a simulated patient for this observation
- the internal provider assessor will also play the role of the dentist should you require it
- you have a further 5 minutes to complete the observation
- you have **one** attempt at this observation

Observation description

You must be able to identify the signs and symptoms of the correct medical emergency displayed by the simulating patient (SP).

You are required to:

- assist the unwell patient
- perform the adequate steps for a safe recovery
- choose the correct equipment

Equipment

You have been provided with the following equipment:

- oxygen or access to fresh air flow
- glucogel tube
- salbutamol inhaler

Station 3: set up for endodontics (root canal treatment):

6 marks

Student instructions

- you have 5 minutes to read the observation description, instructions and equipment list before starting the observation
- you have a further 5 minutes to complete the observation
- you have **one** attempt at this observation activity

Observation description

You are required to:

- set up for endodontics with a temporary restoration
- select the correct instruments and materials

Equipment

You have been provided with the following instruments, equipment and materials:

Instruments and equipment:

- amalgam plugger
- amalgam pot
- ball burnisher
- barbed broach
- briault probe
- Coupland's elevators
- CPITN probe
- dental excavator
- diamond bur
- endodontic ruler
- file holder
- flat plastic
- Gates Glidden
- local anaesthetic
- matrix band and holder
- measuring gauge
- Mirror
- monojet irrigation syringe

- Probe
- Reamers/files
- rubber dam kit
- single use endodontics file
- slow and fast handpiece and burs
- syringe
- tweezer
- Wards Carver

Materials:

- alginate
- antiseptic paste (ledermix)
- apex locator
- bitewing film
- calcium hydroxide
- extraction forceps
- finger spreader
- gutta percha points
- Hypochlorite/chlorohexidine
- light bodied impression material
- lubricant gel (glyde)
- luting agent
- paper points
- processing solution
- sealing cement
- soft wax
- spiral paste filler
- Sutures
- Temp-Bond cement
- temporary dressing material
- TST strip
- x-ray holder

Station 4: extraction post-operative instructions

12 marks

Student instructions

- you have 5 minutes to read the observation description, instructions and equipment list and make some notes before starting the observation
- you have a further 5 minutes to complete the observation
- your internal provider assessor will play the role of the patient
- you have **one** attempt at this observation

Observation description

You are required to give verbal instructions to a patient that has received an upper first molar non-surgical extraction.

- before the 5 minute observation begins, you are allowed to make notes about the instructions you will give

You must:

- include the key factors to prevent infection
- deliver post-op instructions in a clear, jargon free manner

Equipment

- pen
- paper
- 2 chairs

Station 5: local decontamination unit (LDU) zoning flow

9 marks

Student instructions

- you have 5 minutes to read the observation description, instructions and equipment list before starting the observation
- you have a further 10 minutes to complete the observation
- you have **one** attempt at this observation

Observation description

You are required to demonstrate the instrument flow process in the local decontamination unit (LDU) using the Health Technical Memorandum (HTM) 01-05 best practice guidelines for the below:

- using a washer disinfector (not manual/ultra-sonic bath)
- using the autoclave

Equipment

You have been provided with the following equipment:

- PPE: mask, apron, visor/goggles and heavy-duty gloves, latex free gloves
- hand washing sink (tubs pretending to be sinks)
- instrument washing sink
- instrument rinsing sink
- scrubbing brush
- washer disinfector (tub pretending to be washer)
- illuminated magnifier for inspection
- autoclave (tub pretending to be autoclave)
- sterile bag
- label date gun
- Health Technical Memorandum (HTM) 01-05 best practice guidelines for reference

Station 6: zinc polycarboxylate mix

6 marks

Student instructions

- you have 5 minutes to read the observation description, instructions and equipment list before starting the observation
- you have a further 10 minutes to complete the observation
- you have **one** attempt at this observation

Observation description

You are required to mix zinc polycarboxylate as a luting cement to cement a crown (thin creamy mix).

You must also select and wear appropriate PPE prior to mixing the material.

Equipment

You have been provided with the following equipment and materials:

- PPE: gloves, apron, mask, visor
- glass slab
- stainless steel spatula
- zinc oxide powder
- polyacrylic acid liquid
- manufacture measuring spoon (1 scoop powdered, 2 drop liquid)
- orange clinical bag
- disinfectant wipes

Station 7: clinical and non-clinical waste

9 marks

Student instructions

- you have 5 minutes to read the observation description, instructions and equipment list before starting the observation
- you have a further 5 minutes to complete the observation
- you have **one** attempt at this observation

Observation description

You are required to correctly dispose of each waste item into the correct waste bin or sharp box.

You must also:

- select and wear appropriate PPE to complete this observation
- demonstrate the correct handwashing techniques upon completion

Equipment

You have been provided with the following equipment:

- sink and running water
- anti-bacterial soap
- a timer (for students and examiner to track time)
- towels
- foot pedal for bin
- non-clinical bin with non-clinical black bin bag
- clinical bin and clinical orange bin bag
- yellow sharps box
- rigid leak proof container
- amalgam waste pot
- local aesthetic cartridges
- suture (in packet)
- PPE: gloves, apron, mask
- surgery wipes
- suction filter
- disposable patient cup
- finished soap bottle
- empty glove box
- plastic water bottle

Station 8: dietary advice

12 marks

Student instructions

- you have 5 minutes to read the observation description, instructions and equipment list before starting the observation
- you have a further 10 minutes to complete the observation
- your internal provider assessor will play the part of the parent
- you have **one** attempt at this observation

Observation description

A child aged 8 years old is in for a routine dental examination. Signs of caries present throughout.

You are to give clear dietary advice to the child's parent, to avoid further decay.

You may use the equipment given.

Equipment

- good snacks: apples, bananas, oranges, cheddar cheese cubes, pitta bread, hummus, plain yogurt, carrot sticks
- bad snacks: chocolate bars, sugar/chocolate breakfast cereal, sweets (Haribo), fizzy juice
- hidden sugars: tomato sauce, tinned fruits in liquid, jams, flavoured crisps, flavoured water
- diet tracking sheet

Station 9: charting using Palmer notation

6 marks

Student instructions

- you have 5 minutes to read the observation description, instructions and equipment list before starting the observation
- you have a further 5 minutes to complete the observation
- you have **one** attempt at this observation

You will be given an opportunity to listen to the voice recording for 30 seconds to make sure volume and equaliser are satisfactory before commencing on the charting questions.

Observation description

You are required to listen to a voice recording and complete charting using Palmer notation.

You will be provided with earphones linked up to a good quality recording via a laptop/mobile phone.

There are 2 rounds; each round is 2 minutes with a 1-minute break in between.

- the outside box is for treatment to be carried out
- the inside boxes are dental work that has been completed

Equipment

- blank charting sheets
- pen/pencil
- earphones
- mobile phone/laptop

Station 10: medical history update

6 marks

Student instructions

- you have been provided with a simulated patient for this observation
- you have 5 minutes to read the observation description, instructions and equipment list before starting the observation
- you have a further 5 minutes to complete the observation
- you have **one** attempt at this observation

Observation description

An elderly patient is required to update their medical history form but has forgotten their glasses.

You must assist the patient in updating their details.

The patient has brought an updated list of medication to help fill out the form.

Equipment

- simulated patient
- standard medical history form
- Pen
- lockable filing cabinet

Document information

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