



Peninsula Dental Social Enterprise (PDSE)

Clinical bay, preparation, decontamination and shutdown All sites

Version 1

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Policy will be updated as required in response to a change in national policy or evidence-based guideline.

The Dental Education Facility Protocol on The Preparation, Decontamination and Shutdown of the Clinical Bay

For the purpose of this protocol:

- **Student 1 is the dentist**
- **Student 2 is the dental nurse**

1. Personal Protective Equipment Required

Full PPE is to be worn for these procedures

- Clinical Clothing
- Eye Protection
- Mask
- Apron
- Gloves

2. Preparation of the Clinical Bay

This is to be shared between student 1 and student 2

Switch on chair supply and bay socket switches when entering the bay. Switch on the 'chair power' switch located at the base of the dental chair/side of delivery arm depending on model.

Fill the water bottle with fresh RO water from the RO water tap and attach to housing on the dental chair. Move foot pedals away from the base of the chair and lower the chair into the emergency position to test. Once satisfied that the emergency positioning is set, return the chair to the neutral position.

Don full PPE in the following order:

- Eye Protection
- Mask
- Apron
- Gloves

Flush all handpiece and cavitron tubing without the handpieces attached and both 3in1 lines over the sink/spittoon for 2 minutes. Flush spittoon outlets and lift both suction tubes to ensure they are working correctly.

Use disinfectant wipes to disinfect:

- The work surfaces
- The dental operating unit including the bracket table, all tubing and hand piece connections and the control panel
- The aspirator unit including tubing, connectors and the control panel
- The computer monitor/ handles
- The dental light and the patient chair

- Both dental operating stools
- The escort's chair
- Spittoon

Using fresh wipes clean computer monitor, keyboard and mouse.

Remove PPE:

- Gloves
- Apron
- Mask
- Eye Protection

Switch off the chair and remove the water bottle to refill with fresh RO water. Once bottle is secure, switch the power back on.

Switch on computer and login.

Collect patient's records, review treatment plan and medical histories for first patient and collect all necessary equipment and materials ensuring that the instrument request form is completed.

Wash hands and prepare the bay for the first patient including:

- Patient/Dentist/Nurse PPE
- Instruments
- Cotton wool/napkins etc

3. Surgery Decontamination between Patients

Student 1 is to remove their PPE in the following order and wash and dry hands thoroughly:

Gloves
Apron
Mask
Eye Protection

Student 2 is to remove the glasses and bib from the patient and discard their mouthwash.

Student 1 is to complete any relevant paperwork and escort the patient to reception for any follow up appointment.

Student 2 will then:

- Dispose of all disposable items, sharps, disposable burs, extracted teeth, amalgam and precious metal from the instrument tray and clinical area in accordance with the relative protocols.

- Remove Burs from handpieces and inserts from cavitrons
- Remove handpieces, Cavitron and 3in1 tips from DUWLs
- Place all contaminated instruments to be sent to SU, including high and slow speed handpieces and Cavitron handpiece, into the plastic container ready for checking and processing. **Ensure that no other surface is touched with your gloves during this procedure.**
- If used, purge all DUWLs over the spittoon for 20-30 seconds
- Remove all PPE and replace with clean PPE
- Using Detergent/Disinfectant wipes disinfect:
 - The work surfaces including cupboard and drawer handles
 - The dental operating unit including the bracket table, all tubing and hand piece connections and the control panel
 - The aspirator unit including tubing, connectors and the control panel
 - The computer monitor and handles
 - The dental light including handles
 - Any equipment such as light curing units
 - Any dental cement bottles and tubes of dental materials used during the procedure
 - The patient's chair
 - Both dental operating stools
 - All protective glasses and visor holders
 - The spittoon
- Remove and dispose of gloves and replace with new. Using fresh wipes, clean the bay computer keyboard and mouse
- Remove gloves, apron and mask and eyewear and dispose of as clinical waste.
- Wash and dry hands thoroughly.
- Set up the bay ready for the next patient.

On return from reception, Student 1 is to:

- Complete all paperwork relating to the patients treatment.

- Return any borrowed, clean items to the Nurses' station. If unsure of contamination of any packaged, unused instruments then always open and place into the used instrument boxes ready for checking and processing.
- Review the treatment plan for the next patient and collect all instrument trays, equipment and materials ready for the next patient.

4. Shutdown of the Clinical Bay

Student 1 is to remove their PPE in the following order and wash and dry hands thoroughly:

- Gloves
- Apron
- Mask
- Eye Protection

Student 2 is to remove the glasses and bib from the patient and discard their mouthwash.

Student 1 is to complete any relevant paperwork and escort the patient to reception for any follow up appointment.

Student 2 will then:

- Dispose of all disposable items, sharps, disposable burs, extracted teeth, amalgam and precious metal from the instrument tray and clinical area in accordance with the relative protocols.
- Remove Burs from handpieces and inserts from cavitrons
- Remove handpieces, Cavitron and 3in1 tips from DUWLs
- Place all contaminated instruments to be sent to SU, including high and slow speed handpieces and Cavitron handpiece, into the plastic container ready for checking and processing. **Ensure that no other surface is touched with your gloves during this procedure.**
- If used, purge all DUWLs over the spittoon for 20-30 seconds
- Remove all PPE and disinfect/wash hands. Replace with new PPE.
- Using Detergent/Disinfectant wipes disinfect:
 - The work surfaces including cupboard and drawer handles
 - The dental operating unit including the bracket table, all tubing and hand piece connections and the control panel
 - The aspirator unit including tubing, connectors and the control panel

- The computer monitor and handles
 - The dental light including handles
 - Any equipment such as light curing units, amalgamators
 - Any dental cement bottles and tubes of dental materials used during the procedure
 - The patient's chair
 - Both dental operating stools
 - All protective glasses and visors
 - The spittoon
- Remove and dispose of gloves and replace with new. Using fresh wipes, clean the bay computer keyboard and mouse
 - Remove gloves, apron and mask and eyewear and dispose of as clinical waste.
 - Wash and dry hands thoroughly and check water bottle to refill with fresh RO water if required. Return any unused clean items to the bay nurse. Collect dental aspirator cleaner and bucket.
 - Return to unit and don full PPE:
 - Eye protection
 - Mask
 - Apron
 - Gloves.
 - Mix the aspirator cleaner following manufacturers instructions and place the bucket on the floor near the aspirator unit. Open both aspiration tubes and place the ends into the bucket. When all the solution has been aspirated, return the tubes to the holders. Pour any remaining solution into the spittoon and dry with a paper towel. Dry the tubes and connectors with paper towels.
 - Purge all DUWLs and water lines for at least 2 minutes until all outlets run dry and the bottle is empty.
 - All clinical waste bins need to be removed and tie wrapped. Label the bag with:
 - Date
 - Bay and chair number
 - Initials of students using bay
 - DEF
 - Remove and dispose of all PPE:
 - Gloves
 - Apron
 - Mask
 - Eyewear

- Raise the dental chair and place both operating stools in the areas provided.
- Place new clinical waste bag into bin.
- Switch off the dental operating unit master switch, the 'chair power' switch and the 'chair supply' and 'bay sockets' switches.
- Remove the now empty water bottle. Place the water bottle up turned onto a paper towel onto the clean work surface or on a drying rack if available.
- On return from reception student 1 is to:
 - Complete all paperwork relating to the patient's treatment.
 - Log out of and switch off the computer
 - Ensure that all patient records have been returned to reception.