90141 Preclinical dental Practice Mini-CEX: Infection Control Practical Exam

**Scenario**

You have scheduled a patient for a clinical examination. You must prepare the clinical bay for the procedure, collect and seat your (imaginary) patient. Once the procedure is completed you will clean and set up the clinical bay for a new patient. You have 30 minutes to the complete the task.

**Background**

**Infection control error = Opportunity for a Health care-associated infection (HAI)**

A Health care-associated infection (HAI) is “an infection occurring in a patient during the process of care in a health-care facility, that was not present or incubating at the time of admission”

**Grading criteria for Mini-CEX: Infection Control practical Exam**

**Critical Infection Control Error** **(CIE)** is an event or circumstance that resulted in, or there is a high risk it may result in, unintended or unnecessary harm to a patient, student or staff member, or a complaint, loss or damage. A critical error may be a near miss. The word **‘critical’** indicates that the incident may have a ***significant impact on the outcome.*** One CIE results in an unsuccessful test and the student is considered unsafe.

**Non-critical Infection Control Error (NIE)** is an event or circumstance where there is a low to moderate risk it may have resulted in, or may result in, unintended or unnecessary harm to a patient, student or staff member or a complaint, loss or damage. A non-critical incident may be a near miss.

If the student accumulates *four or more* NIEs over the course of the assessment, their performance is unsuccessful, and they are considered unsafe.

The mini-CEX runs its full course even after the student has accumulated one CIE, however, the overall test result is considered unsuccessful, and the student is considered unsafe.

**How will the assessment be graded?**

The assessment is 10 marks. A total mark will be established from the checklist below. The Critical Infection Control Errors (CIE) and Non-Critical Infection Control Errors (NIE) will be taken into consideration in the overall grading.

|  |  |
| --- | --- |
| Type and frequency of Infection Control Error | Mark deduction |
| 1 X Non-Critical Infection Control Error (NIE) | 1 |
| 2 X Non-Critical Infection Control Errors (NIE) | 2 |
| 3 X Non-Critical Infection Control Errors (NIE) | 4 |
| >4 X Non-Critical Infection Control Errors (NIE) | 6 (unsafe) |
| 1 X Critical Infection Control Error (CIE) | 6 (unsafe) |

**Critical infection Control Error**

The following constitutes a critical infection control error for the Mini-CEX Infection Control Practical Assessment:

1. Incorrect management and/or disposal of sharps. Examples of errors:

* Sharps facing operator on bracket table
* Disposal of sharps in general waste
* Disposal of sharps using hands (not tweezers)
* Transporting sharps over patient to sharps bin
* Placing hand underneath sharp while transporting to sharps bin
* Transporting sharps to dirty hold with sharp end of instrument facing outwards (should be facing the floor)

2. Retrieving instruments, materials, equipment from drawers or cupboards with gloves on, or without prior ABHR or soap and water if gloves off. Examples of errors:

* Collecting cotton rolls from the materials cupboard either with gloves on, or not using ABHR or soap and water prior to retrieval if no gloves.
* Retrieving Gauze from the drawer with gloves on, or not using ABHR or soap and water prior to retrieval if no gloves.

3. Failure to flush any of the 3 console lines and the triplex, and failure to flush any of the two suction lines

4. Incorrect management of exposure to the floor in the operating bay. Examples of errors:

* Instrument dropped onto the floor being re-used
* Suction tip dropped onto the floor being re-used
* Picking up anything from the floor without gloves on
* Not addressing a trip or slip hazard immediately eg. leaving a dropped item on the floor without kicking it to the side.
* Not Replacing gloves that have contacted the floor/item on the floor (ABHR and new gloves)

5. For the Infection Control Practical Exam, a minimum number of steps **must be completed to be successful**: Up to and including flushing the console lines and suction lines must be completed in the allotted time for the student to be successful and considered safe.

***All*** other Infection Control errors for the Mini-CEX are considered a **Non-Critical Infection Control Error**

|  |  |  |
| --- | --- | --- |
| **Check list performance item** | **Yes /No** | **If No**  **Frequency of error** |
| 1.Performs hand washing technique in accordance with the World Health Organisation guidelines  a. Soap and H2O  b. ABHR | ☐Yes ☐No  ☐Yes ☐No | 1 error  2 errors  3 errors  >4 errors (CIE) |
| 2. Performs hand hygiene in accordance with the five moments of hand hygiene | ☐Yes  ☐No | ☐1 error  ☐2 errors  ☐3 errors  ☐>4 errors |
| 3. *Dons* PPE in accordance with the Australian Commission on Safety and Quality in Health Care guidelines. | ☐Yes  ☐No | N/A |
| 4. Follows record keeping requirements (places instrument tracking sticker onto tracking sheet). | ☐Yes  ☐No | N/A |
| 5. Safely handles instruments. This includes:  a. Retrieval of instruments, materials, equipment with clean hands (no gloves and Hand Hygiene prior to retrieval)    a. Checks instrument expiry and sterilisation was successful by colour change indicator  b. Correctly opens package and places instruments onto bracket table | ☐Yes ☐No  ☐Yes ☐No  ☐Yes ☐No | 5a. Critical Infection Control Error (CIE) |
| 6. Demonstrates safe management and disposal of sharps | ☐Yes  ☐No | Critical Infection Control Error (CIE) |
| 7. DHSV protocol for Clean-up/Wipe Down. Appropriate timing, technique and sequence  a. Disposal of waste  b. Pack up instruments  c. Disposal of contaminated instruments  d. Wipe down of *all* equipment and surfaces  e. Wipe down order  f. Wipe down technique (clean-dirty, top-bottom)  g. Flushing of console lines (high/slow speed, EMS and triplex)  h. Flushing of suction lines | ☐Yes ☐No  ☐Yes ☐No  ☐Yes ☐No  ☐Yes ☐No  ☐Yes ☐No  ☐Yes ☐No  ☐Yes ☐No  ☐Yes ☐No | ☐1 error  ☐2 errors  ☐3 errors  ☐>4 errors  7g and h  Critical Infection  Control Error (CIE) |
| 8. Sets up bay (places bibs and glasses out) | ☐Yes  ☐No | N/A |
| 9. *Doffs* PPE in accordance with the Australian Commission on Safety and Quality in Health Care guidelines. | ☐Yes  ☐No | N/A |
| 10. Completes Infection Control Practical Mini CEX (time management) | ☐Yes  ☐No | Did not have time to complete 7g.7h. 8 and 9 (CIE) |

|  |  |
| --- | --- |
| Non-Critical Infection Control Error (NIE)  4 or more ☐ | Critical Infection Control Error (CIE)  1 or more ☐ |

|  |
| --- |
| Additional Comments/Feedback |