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| **Annex 1. Checklist of Infection Control in Dental Clinic** |
| **I. Socio-demographic Information****\*Dentist's Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****\*Dentist's Gender: □Male □ Female**\***Dentist's Age:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_years****\*Dentist's qulification: □Bachelor □Master □Doctorate****\*Position of Dentist: □General Practician □Head of departmentClinic****\* Experience Yaers:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_years** **\*Name of Primary Health Care Center :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** **\*Governorate: □North Gaza □Gaza City □Middle Camps □Khanyounis □Rafah** |
| **Always****(5)** | **Often****(4)** | **Sometimes****(3)** | **Rare****(2)** | **Never****(1)** | **II. Items of Infection Control** |
|  |  |  |  |  | ***1.Hand Hygiene (HH)*** |
|  |  |  |  |  | 1.1Do clinic personnel perform hand hygiene before and after treating patients? |
|  |  |  |  |  | 1.2Are alcohol hand rubs available? |
|  |  |  |  |  | ***2.Personal Protective Equipment (PPE)*** |
|  |  |  |  |  | 2.1.Do clinic personnel wear protective clothing and change when necessary? |
|  |  |  |  |  | 2.2.Is protective clothing removed before leaving the clinic? |
|  |  |  |  |  | 2.3.Do clinic personnel wear masks during treating patients? |
|  |  |  |  |  | 2.4.Do clinic personnel change masks between patients? |
|  |  |  |  |  | 2.5.Are gloves appropriate for treatment available in sizes required? |
|  |  |  |  |  | 2.6.Do clinic personnel wear Gloves during treating patients? |
|  |  |  |  |  | 2.7.Do clinic personnel change Gloves among patients? |
|  |  |  |  |  | 2.8.Do clinic personnel wear appropriate eye protection? |
|  |  |  |  |  | 2.9.Does clinic provide patient with napkin? |
|  |  |  |  |  | ***3.Sterilization and Disinfection of Patient-Care Items (SDT)*** |
|  |  |  |  |  | 3.1.Is there a central instrument processing area available for the office? |
|  |  |  |  |  | 3.2.Are visible blood and debris removed from instrument prior to sterilization? |
|  |  |  |  |  | 3.3.Are instruments wrapped appropriately before sterilization? |
|  |  |  |  |  | 3.4.Is sterilization equipment properly monitored and records maintained? |
|  |  |  |  |  | 3.5.Are all wrapped instrument packages inspected to ensure that they are intact? |
|  |  |  |  |  | 3.6.Does dentist use disposable needle for every patient? |
|  |  |  |  |  | 3.7.Are Needles recapped in a safe technique (one hand technique)? |
|  |  |  |  |  | 3.8.Do dental personnel follow general safety precautions with sharp instruments? |
|  |  |  |  |  | 3.9.Dentist use sterile instruments for each patient? |
|  |  |  |  |  | ***4.Environmental Infection Control (EIC)*** |
|  |  |  |  |  | 4.1.Are clinical contact surfaces disinfected or barrier protected for each patient? |
|  |  |  |  |  | 4.2.Are surface barriers changed among patients (napkins ,wrapping )? |
|  |  |  |  |  | 4.3.Are appropriate products utilized for cleaning and disinfecting clinical contact areas? |
|  |  |  |  |  | 4.4.Are plastic cups changed among patients ? |
|  |  |  |  |  | ***5.Dental Unit Waterlines (DUW)*** |
|  |  |  |  |  | 5.1.Is the water flushed (handpieces, ultrasonic scalers, and air/water syringes) for 20-30 seconds after each patient? |
|  |  |  |  |  | ***6.Dental Handpieces (DH)*** |
|  |  |  |  |  | 6.1Are handpieces cleaned, disinfected, lubricated, and sterilized between patients? |
|  |  |  |  |  | ***7.Discarding (D)*** |
|  |  |  |  |  | 7.1.Are needles & sharp instruments discarded in a safety box ? |
|  |  |  |  |  | 7.2.Are gloves taken off correctly and discarded on the opposite side? |

**Annex 2. The four steps to develop checklists for observation Compliance Toward Infection Control.**

**STEP 1: Development of a draft checklist**

Based on published Centers for Disease Control and Prevention: Infection Prevention Checklist for Dental Settings, the literature, and clinical experience.

 Draft checklist: Consisting of 24 Items

 **STEP 2: Delphi review rounds**

 Draft checklist: Consisting of 24 Items

 Checklist 1: Add 4, delete 2, reformulate 2 items 28 items

Checklist 2: Add 1, delete 1 28 items

 Checklist 2: Add 1, delete 1 28 items

**STEP 3: Design of the final checklist and pilot testing**Add 5 scoring categories (1:for Never, 2:for Rare, 3: for Sometimes, 4: for Often, and 5 points for Always) and pilot testing the checklist

 **STEP 4: Final Delphi review round**

 Checklist confirmed after 1 round

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| **Annex 3. Sources of Items For Observation of Infction Control in Dental Clinic** |
| **Items for Observation of Infection Control in Dental Clinic**  |
| Hand hygiene before and after treatingb  |
| Alcohol hand rubs availablityc |
| Protective clothing wear and changec  |
| Protective clothing removingc |
| Masks wear during treatingc  |
| masks change between patientsc |
| Availability differnt size of glovesb  |
| Gloves Wearing during treatmentb  |
| Gloves changing among patientsb |
| Eye protection wearinga  |
| Napkin for Patientsb |
|  Availablity of central instrument processing areac  |
| Blood and debris removing from instrumentc  |
| Instruments wrappinga  |
| Sterilized equipment properly monitoring and recordingb |
| wrapped instrument packages inspectionb |
| Disposable needls usinga |
| Needles recappeing (one hand technique)a |
| Safety precautions with sharp instrumentsc |
| Sterile instruments usingc  |
|  Clinical contact surfaces & barrier disinfectionc |
| Surface barriers (Napkins ,wrapping ) changingb |
| Products for cleaning conact materialsc |
| Plastic cups using &Changing b |
| Water flushing b  |
| Handpieces Sterelization b  |
| Safety box for discarding sharp objectsa |
| Gloves taken and discardeingb  |

a Category I: Strongly recommended and strongly supported by well-designed epidemiological studies.

b Category III: recommended on the basis of expert consensus and theoretical rationale.

c Category II: recommended on the basis of theoretical rationale and suggestive, descriptive evidence.