



كلية طب الأسنان
FACULTY OF DENTAL MEDICINE



INFECTION
CONTROL POLICIES
& PROCEDURES

INFECTION CONTROL POLICIES & PROCEDURES



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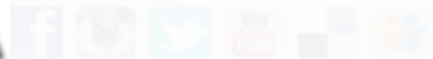


Prof. Ibtesam Kamel Afifi

1. General instructions regarding environment of the clinics



Linking UQUDENT accounts :



The doors of the clinics should be kept closed



Food and drink are strictly prohibited inside
the clinics

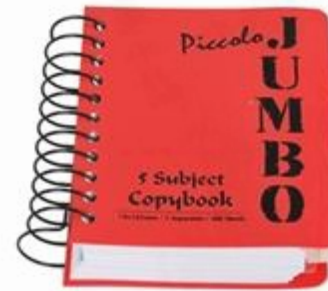


No Food or Drink



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- All personal belongings should be left outside the clinics



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2. Instructions regarding appearance & dress code



Closed-toe shoes and socks must be worn.

No sandals, slippers, or open crocs.



For female DHCW's

1. Hair should be covered



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2. Long head covers should be tightly tucked inside the clinic coat or gown





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3. Clean short fingernails must be maintained



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4. Nail polish, artificial nails, and nail art are not permitted

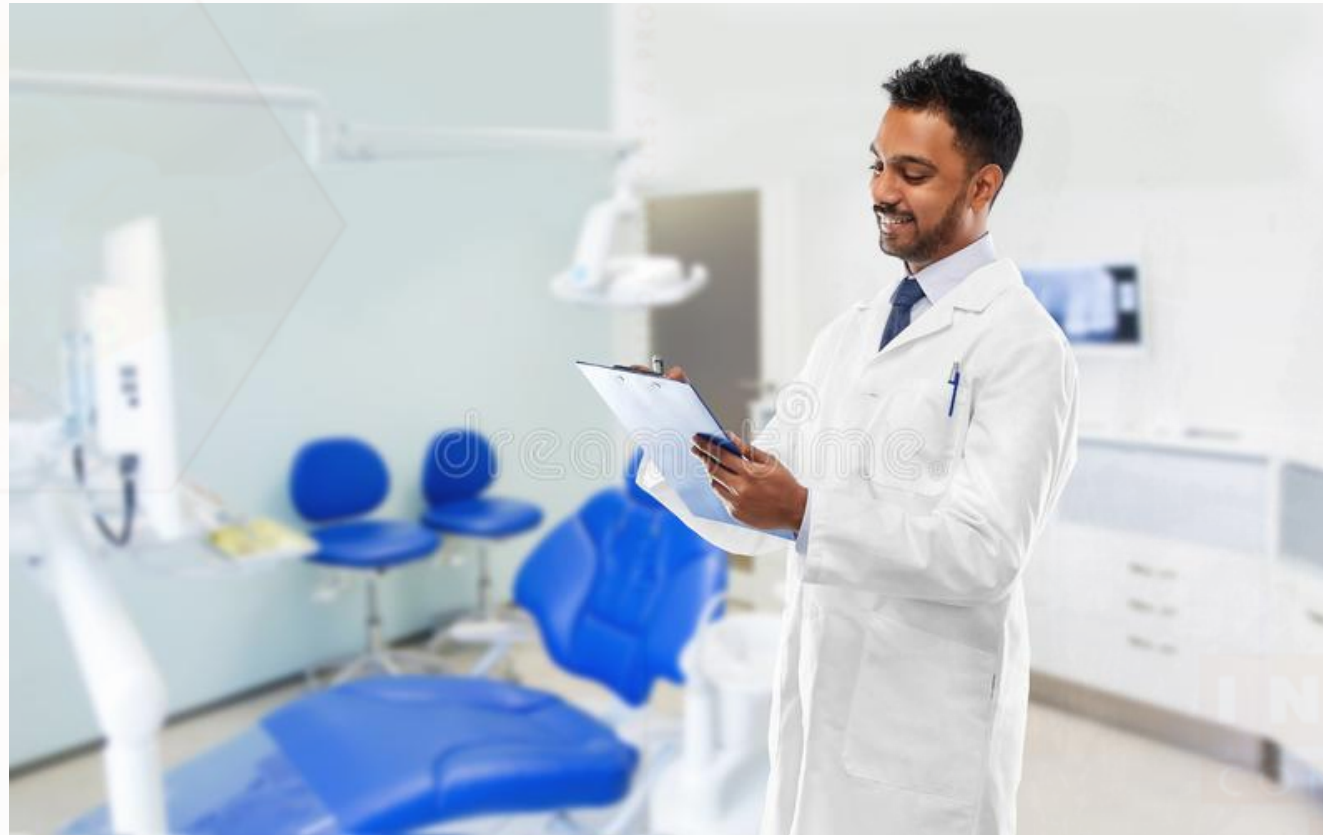


5. No hand or wrist jewelry, wristwatches, or necklaces, is accepted



For male DHCWs

1. Neckties should be tucked inside the clinic coat or gown



2. No wristwatches or other rings



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3. Policies and procedures of IC in dental clinics

I. Infection Control during the pretreatment period (Before patient entry)



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1. Remove unnecessary items from the dental procedure area



2. Review patient records before initiating treatment

N.B. Do not leave the record on the countertop or handle it with contaminated gloves



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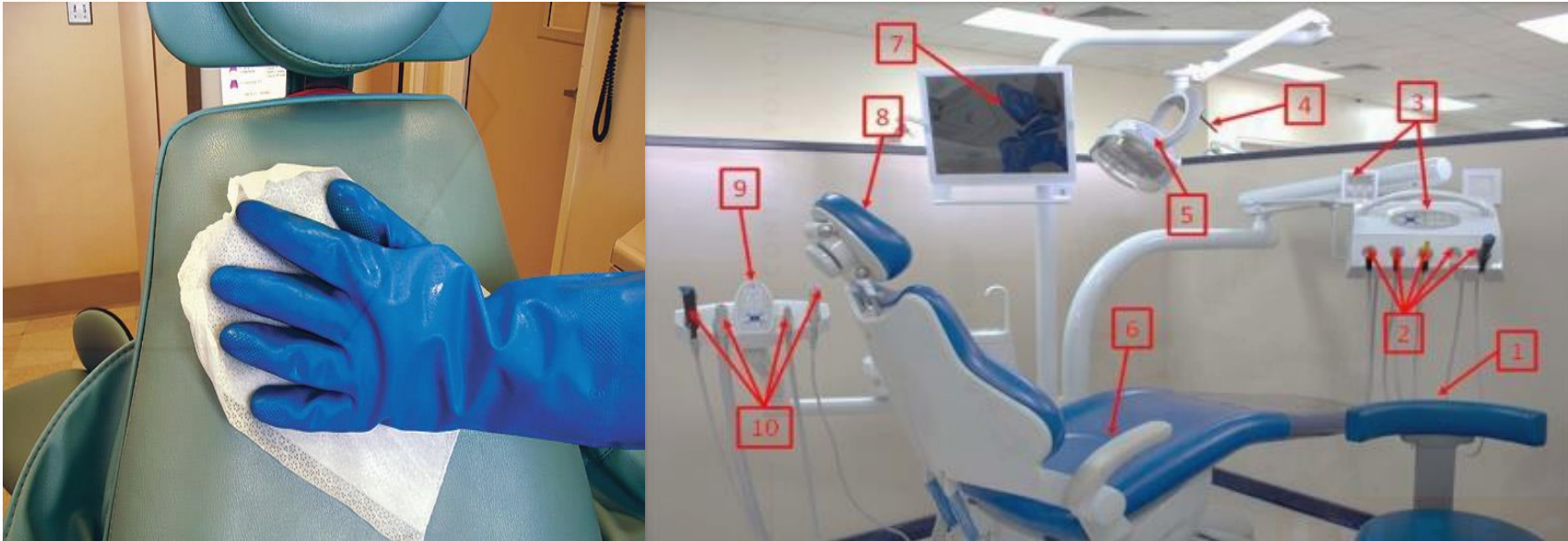
3. Perform hand hygiene then don a mask and gloves to prepare the clinic



4. Flush dental unit waterlines: at the beginning of the working day for 3 minutes, to prevent biofilm formation.



5. Disinfect and wrap the clinical contact surfaces of the dental chair



6. Set out all instruments, medications, impression materials, and other items that are needed for a procedure.



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7. Perform Hand hygiene and dry thoroughly

Step-1



Rub palms together

Step-2



Rub the back of both hands

Step-3



Interlock fingers and rub the hands together.

Step-4



Interlock fingers and rub the back of fingers of both hands

Step-5



Rub thumb in a rotating manner followed by the area between index finger & thumb.

Step-6



Rub fingertips on palm for both hands

Step-7



Rub both wrists in a rotating manner
rinse and dry thoroughly.



8. Don personal protective equipment in the following sequence:
a) Gown



b) Mask



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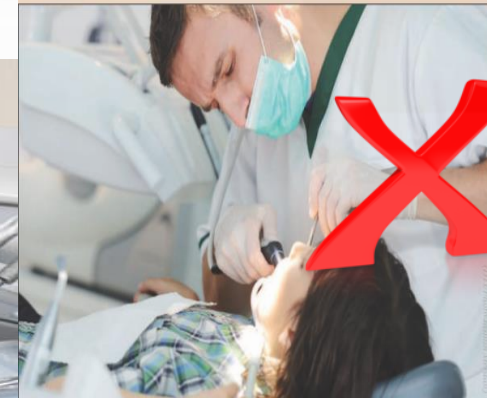
Helpful hints for mask use

- The outside surface is considered highly contaminated and should not be touched with ungloved hands.
- Masks should be changed with every patient or if they become wet.





Principles



A damp or wet mask is *not* an effective mask.

Masks should *not* be worn under the nose or chin.



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c) Protective eye wears i.e goggle or face shield

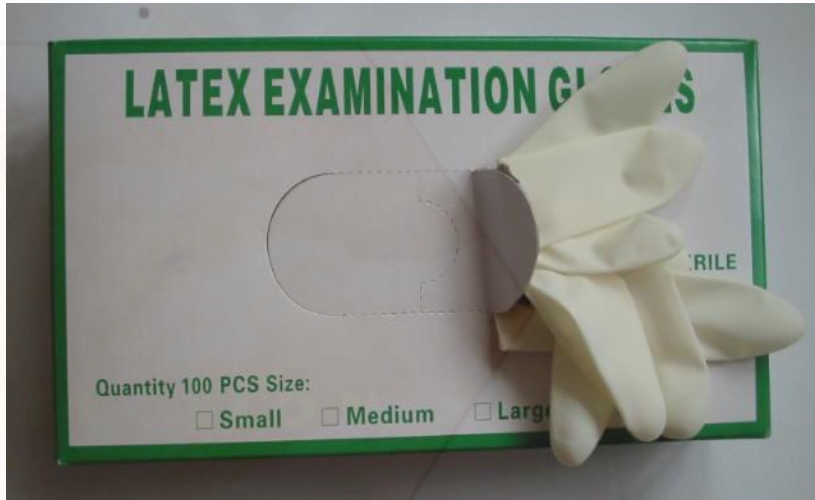


For male DHCWs

Facial hair should be completely covered under mask and face shields



d) Gloves



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CORRECT SEQUENCE FOR **DONNING** PERSONAL PROTECTIVE EQUIPMENT (PPE)

The type of PPE used will vary based on the level of precautions required; e.g., Standard and Contact, Droplet or Airborne Infection Isolation.

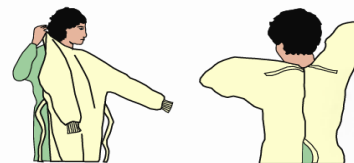
Remove hand jewellery and tie back hair.

Clean and dry hands thoroughly.

1. **GOWN / APRON**

Fully cover torso from neck to knees, arms to end of wrists, and wrap around the back

Fasten in back of neck and waist



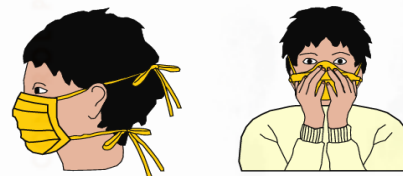
2. **MASK OR RESPIRATOR**

Secure ties or elastic bands at middle of head and neck

Fit flexible band to nose bridge

Fit snug to face and below chin

Fit-check respirator



3. **GOGGLES OR FACE SHIELD**

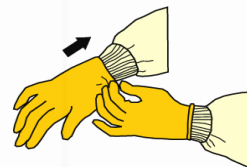
If you wear glasses put them on.

Place goggles or face shield over face and eyes and adjust to fit



4. **GLOVES**

Extend to cover wrist



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Infection control January 2005. Developed using CDC Guidelines 2005

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DRESS CODE

Male Students



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II. Chair-side Infection Control measures



1. Apply dental bibs to the patient



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2. Avoid touching unprotected switches, handles, and other equipment once gloves have been contaminated



3. Don't touch your mobile phone or door knobs with contaminated gloves before hand hygiene.



4. An instrument that is dropped must NOT be picked up and reused



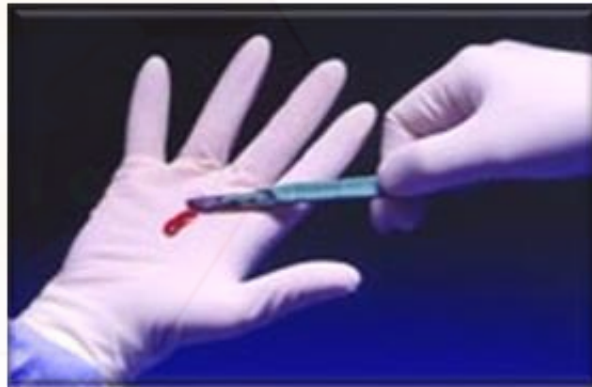
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5. Personal protective equipment should not be worn outside the clinic



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6. If sharps will be used, hand- free technique for safe handling is recommended.



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7. Take special precautions with syringes & needles

a) Don't recap or bend the needle



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b) If necessary , use one hand scoop technique



Figure 27-4 If it is necessary to recap a needle, use a one-handed scoop technique: (A) Preparing to slide needle into cap. (B) Lifting cap onto needle. (C) Covering needle with cap. Alternatively, a needle-recapping device may be used.

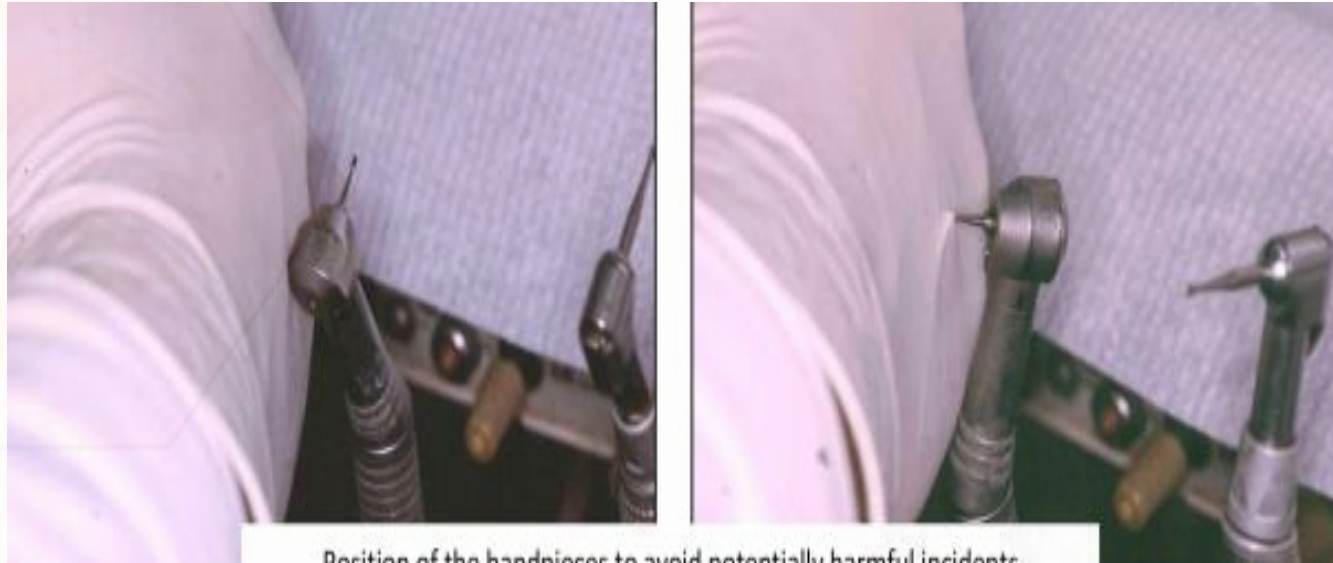


c) Dispose used needles in sharps box



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Be careful on returning hand pieces into their tie in sockets



Position of the handpieces to avoid potentially harmful incidents.



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7. Immediately manage exposure to blood by sharps injury, needle stick, or splash:

a) Wash wound / exposed area with soap and water.

b) Irrigate eyes with sterile water if available

c) cover the wound with a waterproof plaster or dressing



الإسعافات الأولية عند الإصابة بالألات الحادة أو وخز الإبر First Aid after Needle Stick or Sharp Object Injury

**STOP
WORKING**

1

توقف عن العمل
Stop working



2

شجع النزيف الحر
Encourage
free bleeding



3

نظف الجرح برفق
بالماء والصابون
Cleanse the wound
with soap and water



4

جفف الجرح
وقم بتغطيته بالبلاستر
Dry and cover the
wound with plaster

In case of Needle Stick or Sharp Object Injury perform the following steps:

1. Stop working.
2. Encourage free bleeding gently by running cool water over the bleeding area for several minutes.
3. Do NOT squeeze the wound to encourage bleeding.
4. Gently cleanse the wound with soap and water (Do not scrub the wound while you're washing it).
5. Dry and cover the wound with a waterproof plaster or dressing.
6. Notify infection control supervisor about the injury.
7. Fulfil needle stick and sharp object injury report form with the help of infection control supervisor.
8. Perform laboratory testing and medical follow-up according to the given advice.

عند الإصابة بالألات الحادة أو وخز الإبر اتبع الخطوات التالية:

١. توقف عن العمل.
٢. شجع النزيف الحر بلطف عن طريق تشغيل ماء بارد على منطقة النزيف لعدة دقائق.
٣. لا تضغط على الجرح ل إيقاف النزيف.
٤. نظف الجرح برفق بالماء والصابون بدون دمعك.
٥. جفف الجرح وقم بتغطيته بالبلاستر.
٦. بلغ مشرف مكافحة العدوى عن الإصابة.
٧. قم بملئ نموذج الإبلاغ عن الإصابة بالألات الحادة أو وخز الإبر بمساعدة طبيب مكافحة العدوى.
٨. اجري الاختبارات العملية مع المتابعة الطبية وفقاً للنصيحة المقدمة.

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d) Report to ICC and fill sharps injury form

NEEDLESTICK AND SHARP OBJECT INJURY REPORT FORM

NAME OF EXPOSED PERSON: _____

POSITION: Doctor Dental assistant Student Worker

AGE: _____

GENDER: _____

ID NUMBER: _____

INJURY DATA

DATE: _____

TIME: _____

LOCATION: _____ **CUBICLE NO.:** _____

The SHARP ITEM WAS:

Contaminated (known exposure to patient or contaminated equipment)

Was there blood on the device?

Yes No Unknown

If contaminated (known exposure to a patient)

Name of Patient: _____

File Number: _____ Age: _____ Gender: _____

Medical History: _____

What type of device caused the injury:

- Disposable needles (cartridge syringes or hypodermic syringes, etc.)
- Suture needle
- Scalpel blade
- Lancet
- Burs
- Scissors
- Electro-cautery device tip
- Endodontic files, reamers, etc.
- Surgical burs, etc.
- Surgical instrument
- Other, describe: _____



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When did the injury occur?

- Before use of item (item broke / slipped, assembling device).
- During use of item (item slipped, patient jarred item).
- Restraining patient
- Between steps of a multi-step procedure (between incremental injections, passing instruments).
- Disassembling device or equipment.
- In preparation for reuse of reusable instrument (sorting, disinfecting, sterilizing).
- While recapping used needle.
- Device left on the floor, table or other inappropriate place.
- After use-before disposal.
- While putting item into disposable container.
- After disposal, stuck by item protruding from opening of disposal container.
- Item pierced side of disposal container.
- After disposal, item protruded from trash bag or inappropriate waste container.
- Other, description of incident :

.....

THE LOCATION OF THE INJURY

EXPOSED PATIENT:

Did the exposed person vaccinated against HBV?

- Yes
- No

Did the exposed person detect his immune state before?

- Yes
- No

If yes, what is his immune state?

- Responder
- Non responder

SOURCE PATIENT:

Does sero status of the source patient is known regarding:

- HBs Ag Positive Negative
- HCV antibodies Positive Negative
- HIV antibodies Positive Negative

ICC member completing the report:

Name: Signature: Date:



9. If you perform x-ray to the patient, you should:

- a) Disinfect and wrap x-ray handle, button, and computer mouse
- b) Perform hand hygiene, dry your hand, and wear new gloves



III. Infection Control measures during post treatment Period



1. Begin the cleaning and disinfection process by:

- a) Removing contaminated gloves used during treatment.
- b) Perform hand hygiene
- c) Put on another pair of gloves before beginning the clean-up. Continue to wear protective eyewear, mask, and gown.



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2. Waste disposal :

- a) Discard used disposable items immediately.
- b) Remove the tray with all instruments and deliver it to the dental assistant to provide it to the sterilization/clean-up area.
- c) Dispose extracted teeth in clinical waste containers





3. Remove all disposable barriers



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4. Clean and disinfect all items including those not protected by barriers.



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5. Remove PPE in the following sequence:

CORRECT SEQUENCE FOR *REMOVING* PERSONAL PROTECTIVE EQUIPMENT (PPE)

1. **GLOVES**

Outside of gloves are contaminated—DO NOT TOUCH!

Grasp outside of glove with opposite gloved hand; peel off

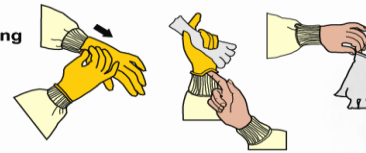
Hold removed glove in gloved hand

Slide fingers of ungloved hand under remaining glove at wrist

Peel glove off over first glove

Discard gloves in waste container

Clean and dry your hands thoroughly



2. **GOGGLES OR FACE SHIELD**

Outside of goggles or face shield are contaminated—DO NOT TOUCH!

To remove, handle by head band or ear pieces

Place in designated receptacle for reprocessing or in waste container

Clean and dry your hands thoroughly



3. **GOWN / APRON**

Gown front and sleeves are contaminated—DO NOT TOUCH!

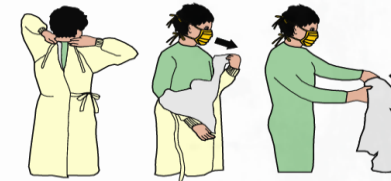
Unfasten ties

Pull away from neck and shoulders, touching inside of gown only

Turn gown inside out

Fold or roll into a bundle and discard

Clean and dry your hands thoroughly



4. **MASK OR RESPIRATOR**

Front of mask/respirator is contaminated—DO NOT TOUCH!

Grasp bottom, then top ties or elastics and remove

Discard in waste container

Clean and dry your hands thoroughly



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6. Perform Hand hygiene and dry thoroughly

Step-1



Rub palms together

Step-2



Rub the back of both hands

Step-3



Interlock fingers and rub the hands together.

Step-4



Interlock fingers and rub the back of fingers of both hands

Step-5



Rub thumb in a rotating manner followed by the area between index finger & thumb.

Step-6



Rub fingertips on palm for both hands

Step-7



Rub both wrists in a rotating manner
rinse and dry thoroughly.



Refer to UQUDENT manual of infection control policies & Procedures

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