



**Dental Nurse Network**  
Professional growth for dental nurses

## Level 2 Certificate: Infection Prevention and Control (IPC) Lead Module 3

Presented by Chelsea Foster RDN.

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### Module 3 Aim

For students to gain knowledge and understanding  
in preventing cross-infection.



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### Module 3 Objectives

**By the end of the module, students will be able to:**

- State why preventing cross-infection is important.
- Demonstrate excellent understanding of hand hygiene.
- List facilities required in the dental practice.

(continued)



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### Module 3 Objectives (continued)

- Describe why general hygiene is important and how to maintain this.
- Explain the correct procedure to disinfect impressions.
- State what PPE should be used and how to apply and remove this.
- Describe how to decontaminate treatment areas.



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### Importance of Cross Infection Control



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### Hand Hygiene

#### Hand Hygiene:

- Washing hands
- Disinfecting hands with rubs/gels

#### Levels:

- Social/Routine
- Antiseptic
- Surgical



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## When To Complete Hand Hygiene

- Before and after each treatment session
- before and after removal of ppe
- After washing instruments
- Before contact with sterilized instruments regardless if they are wrapped
- After cleaning/maintaining the ultrasonic bath/washer disinfectant/sterilizer etc
- At the end of decontamination




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## Hand Hygiene Policy

- Between patients, before putting on gloves and after removal
- Do NOT use Bar soap, scrub or nail brushes
- Clean short nails, no false nails or varnish
- Clean nails with a blunt orange stick
- Dry with quality paper towels and techniques don't damage the skin
- Use of hand cream
- Alcohol rub visibly clean hands
- Foot/sensor operated bin




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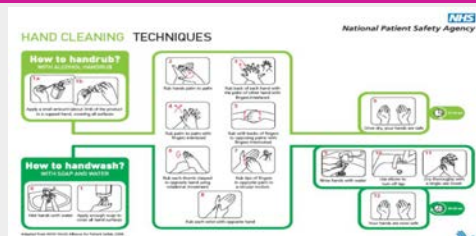
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## Hand Cleaning Techniques




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### Surgical Scrub Technique

- Remove jewelry
- Wash with antimicrobial soap
- Time your handwash between 3-5 minutes
- If your hands touch anything add 1 minute for each section



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### Hand Hygiene Required Facilities

All surgeries should be fitted with a separate hand washing basin on the clean side that is not used for cleaning instruments. This should have:

- No plug or overflow
- A sensor-operated or lever operated mixer tap
- Wall mounted Soap , Disinfectant and Cream dispensers with disposable cartridges
- 6 or 8 method Hand Hygiene poster above basin



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### Skin Care

- Use of Hand Cream
- Short, clean fingernails no longer than the tip of your finger from palm view
- No nail varnish or false nails
- Bare from the elbow down, apart from a wedding band



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General Hygiene

- Clean and presentable
- High level of personal hygiene
- Clean set of uniform each day



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Disinfection of Impressions

**Alginate:**

- Rinse, dip, rinse, dip, wrap for 10 minutes and rinse

**Provil:**

- Soak for 10 minutes and rinse



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Disinfection of Impressions

**On return**

- Disinfect for 10 minutes
- Check the correct solution for appliances with your local lab



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### Disinfection of Impressions

Log Number	Patient ID	Dentist	Smoothing out			On Return				
			Impression	Disinfected By	Disinfected on	Lab	Disinfected By	Disinfected on	Stored	Audited by
001	2005673	Dr Anderson	Alginade for MS	Chelsea	27.10.18	Alight	Chelsea	10.11.18	Lab room	Auditor (IPC lead) 01.12.18

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### Personal Protective Equipment

During all decontamination PPE should be worn




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### Gloves

- Protect hands
- Single use
- Powder free Nitrile or Vinyl should be used
- Latex can cause skin reactions

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### Heavy-Duty Gloves

- Used during decontamination process
- Washed with detergent and left to dry after use
- Replaced weekly or more frequently if damaged



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### Aprons

- Worn during disinfection procedures
- Single use



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### Face and Eye Protection

- Masks are single use
- Clean visors when visibly dirty or at the end of each clinical session
- Spectacles are not enough protection



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**Footwear**

- Fully enclosed
- Good working order
- Comply with health and safety



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**Clinical Clothing**

- Changed daily
- Not to be worn outside
- Changing and storage facilities to be separate to decontamination area



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**Applying PPE**

Apron

Mask

Eye and face protection

Gloves



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PPE Removal

**G**loves - Wash hands thoroughly if contaminated before removing the rest.

**A**pron - Break neck straps, gather apron together, and remove by touching inside only.

**M**ask - Break straps or remove by ears, placing mask directly into clinical bin without touching the outer layer.

**E**ye and face protection - Remove without touching outside surface. Dispose of single-use items into clinical waste.

Wash hands thoroughly again.

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PPE Removal

NO VISOR	VISOR
<b>G</b>	<b>G</b>
<b>A</b>	<b>A</b>
<b>M</b>	<b>E</b>
<b>E</b>	<b>M</b>

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Laundry Contract

Laundry Contract

Dental Practice: Chelsea's Dental Practice

IPC Lead: Chelsea Foster

I am signing this document to state that I will wash my uniform at the hottest temperature possible for the material and I will also wear clean clothing daily as required by HTM 01-05.

Date	First Name	Last Name	Signature
29.10.18	Chelsea	Foster	<u>Chelsea</u>

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## Surface decontamination and zoning

- Surfaces jointless as far as reasonably possible
- Cleaned before and after every patient
- Clean-to-dirty workflow
- Impervious flooring
- No carpets
- Cleaning code of practice




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## Surface decontamination and zoning

### Between each patient the following should be cleaned:

- Work top
- Dental Chair
- Curing lamps
- Inspection lights and handles
- Hand controls
- Spittoons
- Aspirators
- X-ray units

Keyboards and mouse covers should be used in clinical areas.




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## Zoning




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Zoning

**Clean area above and below the work surfaces:**

- hand washing sinks
- Stock
- PPE
- Clean instruments
- All clean draws with filling materials
- Impressions
- Local anaesthetics

Please be aware that due to aerosols as much as possible all PPE and consumables should be covered in draws

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Zoning

The diagram illustrates a dental unit layout with the following components and zones:

- Impressions** (top left)
- Amalgamator** (top middle)
- RCT** (top right)
- Local** (far right)
- Tooth Box** (left side)
- Crown Prep** (middle left)
- Amalgam Waste** (middle middle)
- Filling materials** (bottom middle)
- Perform Bath** (bottom left)
- Clean pouches** (bottom right)

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Zoning

**A dirty area will contain:**

- Setting down area for instruments
- Washing and rinsing sinks or bowls
- Ultrasonic bath, washer disinfectant and inspection light
- Tooth box , sharps and amalgam waste
- Clinical waste bin

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### Cleaning schedule

A surgery cleaning checklist should be used to show compliance with the HTM 01-05 and Code of practice.

The Dental Nurse Network have provided a checklist that you can download.



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### Summary

- Hand hygiene
- PPE
- Surface decontamination and Zoning



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