



# DENTAL STUDY EVENING

Wednesday 16<sup>th</sup> January 2019

Orford Jubilee Park, Warrington

Community Infection Control Service

# **Aim of the session**

**To share best practice with delegates and to challenge current practice and drive forward any necessary changes required with regards to infection prevention & control in the dental setting.**

## **Learning Objectives :**

- Delegates will consider how to implement best practice with regards to infection preventative measures and drive forward any necessary changes identified.
- Improve their knowledge and skills with regards to infection control including up to date compliance requirements and current Oral Health initiatives.
- Benefit by networking with others to share best practice.

# Learning Outcomes

By the end of the session the attendee will be able to:

- Disseminate knowledge and skills to their peers.
- Improve the way they provide Oral Health for patients of all ages.
- Implement improved practice for precautionary measures for infection control in the dental setting and update any policies and procedures were relevant.

**Anticipated GDC development outcome(s): A,B,C,D.**

## **Dental Infection Control Link Nurse Study evening**

**Orford Jubilee Park, Warrington WA2 8HE**

Wednesday 16th January 2019

### **Agenda**

**18.00** Welcome & Registration

**18.10** 'An update from **Mike Williams Dental Adviser to HEE/CQC/NHSE**'

**18.40** ' Oral Health Improvement Service for Warrington'- **Marion Stockton Oral Health Improvement Lead for Warrington.**

**19.10** Early detection of Head & Neck Cancer, linking with Making Every Contact Count & an overview of the Oral Cancer toolkit -**Carly Coull Community Dental Nurse and HEE DCP Champion.**

**19.40** Break for Refreshments

**19.50** Dental Nurse IC Lead Forum meeting (Chair: Karen Jones)

- Review minutes of last meeting ( held September 2018)
- Overview of the Essential Quality Requirements regarding decontamination of dental instruments- **Karen Jones Infection Prevention & Control Practitioner.**
- Any other business.

**20.30** Evaluation and Feedback.

**20.45** Close

# Overview of EQR for the decontamination of dental instruments

# Pre-soaking

- If cleaning has to be delayed, instruments should be kept wet in a holding solution (HTM 01 05).
- Material allowed to dry on an instrument is usually more difficult to remove.
- Pre-soaks significantly reduce prion-infected tissue contamination. Lipscomb IP, et al. J Hosp Infect 2007

# Enzymatic detergents



- Contain enzymes and detergent
- Enzymes dissolve and lift protein, fat and other organic contaminants
- Detergents remove dissolved organic material



## Protocol for the manual cleaning of dental instruments

### Immersion method

All personnel involved in the decontamination of dental instruments should be trained in the content and application of this protocol and associated guidance.

To minimise the risk to personnel undertaking manual cleaning, the splashing and creation of aerosols **should be avoided** at all times.

**Remember: Maintaining a dirty-to-clean workflow procedure will assist in the cleaning process.**

- Wash hands.
- Wear personal protective clothing (PPE).
- Prepare sinks, equipment and setting-down areas.
- Dismantle and open the instruments, as applicable, ready for immersion.
- Fill the clean sink (NOT wash-hand basin) with the appropriate amount of water and detergent (specified for the purpose). Note: ensure correct temperature as recommended by the detergent manufacturer is maintained.
- Fully immerse the instruments in the solution and keep under water during the cleaning process to prevent aerosols.
- Agitate/scrub the instruments using long-handled brushes with soft plastic bristles.
- Drain any excess cleaning solution prior to rinsing.
- Rinse in a second sink with satisfactory potable, freshly distilled or RO water.
- After rinsing, drain and dry if instruments are to be wrapped.
- Visually inspect all items under an illuminated magnifier ensuring they are clean, functional and in good condition.
- Lubricate any relevant items prior to sterilization with a non-oil-based lubricant.
- Dispose of cleaning materials safely in accordance with local policy.
- Replace cleaning solution and the rinse-water after each use.
- Complete any relevant documentation.

**Example of manual cleaning protocol  
(HTM 01 05)**

# Manual cleaning

- Dilute appropriate detergent according to manufacturer's instructions
- Temperature less than 45°C (measured with a non-mercury thermometer)



# Manual cleaning

- Fully immerse the instruments in the solution
- Keep them under water throughout the cleaning process to prevent aerosols



# Manual cleaning



- Agitate / scrub the instruments using a long-handled brush with soft plastic bristles

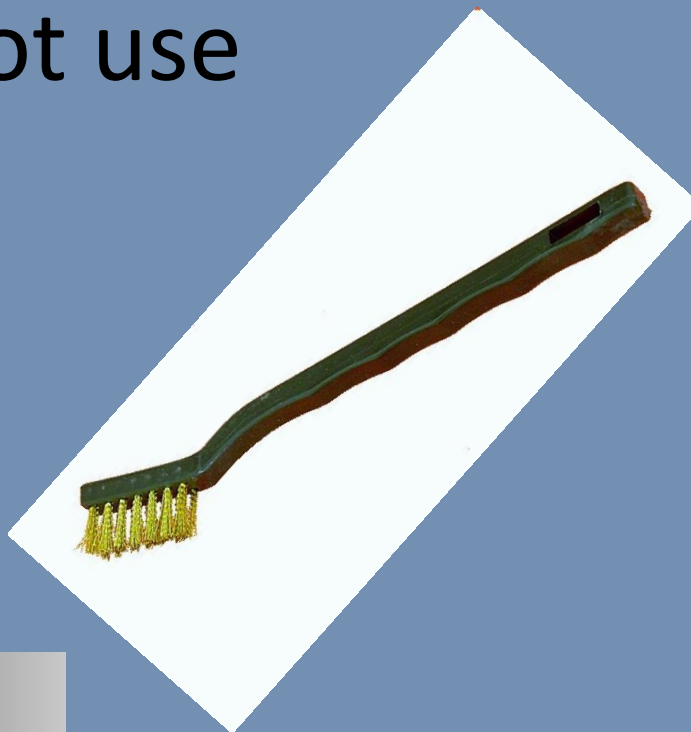
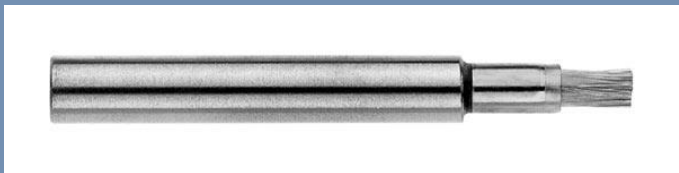


# Protocol

- Ensure that all dental materials are removed from instruments before they set



Do not use



# Protocol

- Drain instruments
- Dry with non-linting disposable cloths
- Replace cleaning solution and the rinse-water after each use



# Rinsing sink

- Separate sink or bowl (HTM 01 05).
- Washing sink is contaminated.
- Do not use the hand washing sink.





# Record keeping

- Complex instruments that need dismantling prior to cleaning should have a written protocol
- Where instruments specifically require manual cleaning always follow manufacturers instructions and have a written protocol
- Ensure all staff carrying out manual cleaning have received training and this is documented

Mechanical cleaning  
Do you manually clean first?

# Record Keeping

- Keep a log book
- All data should be kept including for periodic testing, maintenance and servicing
- Names of personnel trained to use the equipment

## Decontamination Equipment: What the CQC say

- All decontamination equipment should be validated, tested, maintained and serviced as recommended by the manufacturer. Validation is needed for new decontamination equipment at installation and annually thereafter.
- A record of every single sterilisation cycle should be made. This record should demonstrate that the steriliser is working within validated parameters such as time, temperature and pressure, using the machine's own indicated measurements on the display.
- **Records need to be kept for a minimum of two years.**

### Acceptable practice to meet Essential Quality Requirements:

- Carry out periodic tests in accordance with the manufacturer's instructions or as set out in HTM 01-05 for:
  - sterilisers
  - ultra-sonic baths
  - washer disinfectors
- Documentation should be available for inspection
- Keep hard copy records with the steriliser log book, either within the log book or in a separate folder.

# Decontamination in the dental treatment room: What the CQC say

## Mandatory requirements

- having the reprocessing area as far from the dental chair as possible.
- reducing the risk of exposure to bacterial aerosol by not manually washing or using ultrasonic cleaners without a lid when the patient is in the dental treatment room.
- To ensure patient comfort, reduce extraneous noise in the treatment room as much as possible. Do not operate ultrasonic cleaning baths and autoclaves whilst patients are undergoing consultations or treatment.

## Recommended practice

- The decontamination area in the dental treatment room should, preferably, be a single run of sealed, easily cleaned worktops and include:
  - a setting down area for dirty instruments
  - washing and rinsing sinks (or a single washing sink with a removable bowl for rinsing)
  - an area for inspection of cleaned instruments prior to sterilisation
  - a suitable and appropriate space to house an autoclave
  - an area for packaging of the processed instruments

- a separate hand washing sink
- Maintain a dirty to clean workflow throughout the decontamination process to minimise the possibility of used instruments coming into contact with sterilised instruments.
- If decontamination is being deferred until the end of a clinical session, inspectors would expect to see that practices carry sufficient stock of instruments and dental handpieces to cover the number of patients for a morning or afternoon session.

Any questions?




# Next DN Lead Forum meetings

Date & Time of next meeting at Newton  
Community Hospital :

**Thursday 14th March 2019 - 6.00pm-7.30pm**

**\*CHANGED\*** Date & Time of next meeting Room  
F27,Warrington Wolves, Warrington:

**Tuesday 19th March 2019 6.00pm - 7.30pm**

A 3D-rendered, light beige card with a thin gold border, standing upright on a white surface. The card is slightly tilted to the right. The words "Thank You" are written in a vibrant blue, cursive script across the center of the card. The background is a solid, muted blue.

Thank You