



Peninsula Dental Social Enterprise (PDSE)

Endodontic irrigation protocol

Version 1.0

Date approved: July 2016

Approved by: The Board

Review due: July 2019

Peninsula Dental School Endodontic Irrigation Protocol

Preparation

- Sodium Hypochlorite (3%)
 - Flood chamber and canals during preparation
 - Irrigate at least every file change
- EDTA Gel / Solution
 - Lubricant and dentine softener (Chelates Calcium)
 - NB Excess will reduce efficacy of Hypochlorite

Pre-obturation

- Sterile water flush (NB this is to rehydrate dentine – literature basis for this is questionable)

Care – Sodium Hypochlorite

- (1) Always make sure that your rubber dam is sealed around the teeth – using caulking agent if necessary.
- (2) Always use side vent needles. This ensures that the minimum irrigant is injected laterally from the needle under minimum pressure rather than forced apically.
- (3) The needle should be fine enough to be placed into the apical one third (27-29G) and should always be loose in the canal as the solution is placed.
- (4) Sodium hypochlorite should NEVER be injected into the root canal without significant pressure.

Firmly postgraduate only – not permitted in undergraduate clinic:

Root canal re-treatments with potentially persistent infections use of higher concentration of sodium hypochlorite (5%)