	NHS GREATER GLASGOW & CLYDE CONTROL OF INFECTION COMMITTEE	Page	1 of 3
		Effective From	July 2017
	STANDARD OPERATING PROCEDURE (SOP) DECONTAMINATION OF DENTAL WATER LINES(DWL) FOR BOTTLED WATER DELIVERY SYSTEMS(BWDS)	Review Date	July 2019
		Version	1
The most up-to-date version of this SOP can be viewed at the following website: www.nhsggc.org.uk/your-health/infection-prevention-and-control/			

This SOP applies to all staff employed by NHS Greater Glasgow & Clyde (NHS GG&C) and locum staff on fixed term contracts and volunteer staff.


SOP Objective

To ensure that Healthcare Workers (HCW) are provided with guidance that when followed will prevent the formation of bio-films in Dental Water Lines (DWL).


Document Control Summary

Approved by and date	Board Infection Control Committee 31 st July 2017
Date of Publication	31 st July 2017
Developed by	Dental Nurse Managers, Oral Health Directorate
Related Documents	Standard Infection Control Precautions (SICPS)-(HPS National IPC Policy) NHS&GGC Hand Hygiene(Standard Precautions) 2015 NHS&GGC COSHH Policy 2015 GDH Registered Dental Nurse Department Competency Document 2016 GDH SOP Cleaning of near patient healthcare equipment 2015
Distribution/ Availability	NHSGGC Infection Prevention & Control Manual www.nhsggc.org.uk/your-health/infection-prevention-and-control/
Implications of Race Equality and other diversity duties for this document	This SOP must be implemented fairly and without prejudice whether on the grounds of race, gender, disability, sexual orientation or religion.
Lead Manager	Clinical Service Manager, Oral Health
Responsible Director	Board Medical Director

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	NHS GREATER GLASGOW & CLYDE CONTROL OF INFECTION COMMITTEE	Page	2 of 3
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Aim	To ensure that Healthcare Workers (HCW) are provided with guidance that when followed will prevent the formation of bio-films in Dental Water Lines (DWL).
Statement	All HCW must adhere to policy for decontamination of DWL and BWDS.
Requirements	<ul style="list-style-type: none"> • Dental Nurse Team Leaders should ensure staff have the necessary equipment available. • A room with a designated clinical wash hand basin for hand hygiene only and a sink for any other purposes. • HCW are trained in the procedure. • Personal protective equipment (PPE) (visor, apron and gloves). • Manufacturer’s guidelines must always be followed when preparing approved DWL disinfection product.
Procedure	<p>Prior to every clinical session HCW to flush each individual water line for one minute using the following steps:</p> <ul style="list-style-type: none"> • Ensure all power source to Dental Chair is switched off. • Hand hygiene is carried out. • Personal protective equipment (PPE) must be worn (visor, apron and gloves). • Inspect dental unit water bottle for any obvious contamination. Disposing and replacing any contaminated bottles in the clinical waste stream. • Ensure manufacturer’s recommended water decontamination product is added to bottle (e.g. ICX tablets). • Fill bottle from cold-water tap. • Attach water bottle to dental unit and switch on power supply to dental chair. • Flush each individual water line for one minute. • Remove PPE and carry out hand hygiene using approved alcohol hand gel or liquid soap and water. • Complete GDH SOP Cleaning of Near Patient Healthcare Equipment checklist. • Dental operator will flush each dental hand piece for a minimum of fifteen seconds after each patient.

	NHS GREATER GLASGOW & CLYDE CONTROL OF INFECTION COMMITTEE	Page	3 of 3
		Effective From	July 2017
	STANDARD OPERATING PROCEDURE (SOP) DECONTAMINATION OF DENTAL WATER LINES(DWL) FOR BOTTLED WATER DELIVERY SYSTEMS(BWDS)	Review Date	July 2019
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Procedure (contd).	At the end of each day: Remove the water bottle from the Dental Unit using the following steps: <ul style="list-style-type: none"> • Switch power supply to Dental Chair to off. • Hand hygiene must be carried out using approved alcohol hand gel or liquid soap and water. • PPE must be worn (visor, apron and gloves). • Remove water bottle and empty contents down the designated non-hand hygiene sink. • Inspect dental unit water bottle for any obvious contamination. Disposing and replacing any contaminated bottles in the clinical waste stream. • Bottle must be inverted to facilitate drying and stored on a clean work surface. • Remove PPE and carry out hand hygiene using approved alcohol hand gel or liquid soap and water. • Complete GDH SOP Cleaning of Near Patient Healthcare Equipment checklist • If there is any reason why this procedure cannot be completed report to Dental Nurse Team Leader.
After care	Ensure manufacturer's recommended water decontamination product is stored appropriately according to NHS GG&C COSHH Policy.

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