

Ultrasonic Nebuliser

Indications for use

- Anyone with sticky thick secretions, having difficulty with chest clearance
- Induced sputum

Medications (minimum 5mls, maximum 150mls)

Sterile Water _____

0.9% Saline _____

Hypertonic Saline _____

Instructions for use

- Equipment needed: Sterile water, ultrasonic nebuliser unit, grey medication cup holder, clear medication cup, elephant tubing, mouth piece, 2 clear adaptors, power cable, blue lid with orange/red seal



- Place the grey medication cup holder into the unit



- Fill water tank in NE-U17 with sterile water until indicated water level mark



- Place the clear medication cup in the unit (single patient use, new medication cup for each patient)



- Place medication into the cup



- Place the blue medication cover on the medication cup holder (single patient use, new medication cover for each patient)



- Lock the nebulisation set by rotating the white lever to the right position



- Connect the clear adapters, elephant tubing and mouthpiece to the blue medication cup cover



- Connect the mains cable to the main unit



- Turn the machine on



- Air Flow Volume _____

- Nebulisation Volume _____

- Timer (min) to required nebulisation time _____ or continuous



- Press the START / STOP button to start nebulisation



- When the time has been reached (unless on continuous) has been delivered an audible signal (beep) is produced and the machine stops nebulising

- Hold the hose in a vertical position and move/shake it in such a way so that the big droplets return to the medication cup

Ultrasonic Nebuliser Cleaning and Infection Control

- Hose, mouth piece and medication cup are **one patient use only**



- When cleaning the device **DO NOT THROW AWAY** the blue lid, red / orange seal and clear adaptors. Medication cup cover, red / orange seal and the clear adaptors must be autoclaved at a low temperature autoclave process (120 degrees C) between patients, this is done by the sterilised service department
- **Please return these to CF Physio with the machine**



- The water in the water tank must be changed on a regular basis



- The medication in the medication cup should be changed between treatments and the medication cover opened to allow for the medication cup and cover to air dry between treatments
- The hose should be left to hang between treatments to allow any residual medication to drain out and for it to dry out
- Medication cup, blue lid, hose and mouth piece can be washed in warm soapy water, rinsed with cold water and left to air dry

Ultrasonic Nebuliser (Community)

- The main unit must be wiped down with damp kitchen roll / disinfection wipes on a weekly basis
- Water emptied from the base and replaced on a weekly basis. Tap water can be used.
- Medication cup, blue lid, red washer, connectors, mouthpiece and tubing must be washed in soapy water and left to air dry daily
- Two pieces of tubing provided, one to use whilst one is drying
- Tubing should be hung up to allow drying to take place
- Tubing will be replaced on a monthly basis
- The blue lid, the red washer and clear connectors should be sterilised on a weekly basis by either: -
 - 1. Steaming**
 - A 'steam steriliser unit' should be used
 - It is recommended that items are sterilised for 15 minutes
 - Follow instructions of steam steriliser
 - Place on paper towel to air dry completely

OR

2. Boiling

- Place in boiling water for at least 15 minutes. Ensure that there is sufficient water in the pan throughout so that parts do not come in to contact with the hot pan.
 - Place on paper towel to air dry completely
 - Mouthpiece, tubing, medication cup and filter are all single patient use and should be discarded
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- The filter in the back of the unit should be checked on a weekly basis, if it is starting to get dusty / discolour then patient to get in contact with CF physiotherapy team to ask for a replacement. Minimum change 6 monthly.