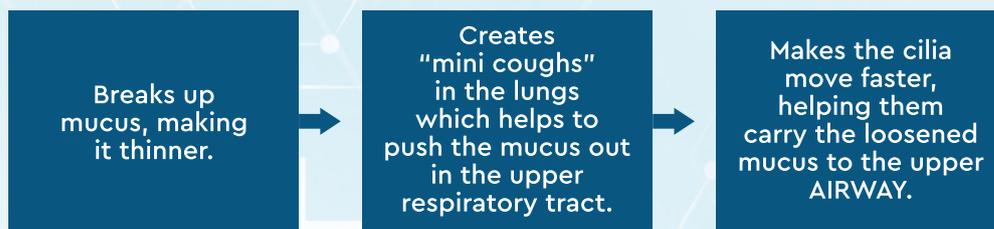




AIRWAY CLEARANCE SYSTEM (HFCWO)

AIRWAY Clearance techniques are the exercises that can help to loosen & remove the mucus from the lungs. Using Oscillating devices like the High Frequency Chest Wall Oscillation, can provide effective AIRWAY Clearance therapy. This system consists of an inflatable garment attached to an airforce generator with the help of Air hoses, that rapidly inflates and deflates the garment. This causes the chest wall to be gently compressed and released which creates airflow within the lungs. This process moves the mucus toward upper AIRWAYS where it can be cleared by coughing or suctioning. This type of AIRWAY clearance therapy is referred to as High Frequency Chest Wall Oscillation Therapy (HFCWO) Or AIRWAY CLEARANCE SYSTEM (AWC).

How Does HFCWO Work?



Advantages of AWC

- Three operating modes – Normal, Ladder, Cyclical
- Emergency pause function
- Enhances output of Chest Physiotherapy
- Increases Sputum mobilization
- Improves pulmonary function
- Shortened duration of hospital stay

Features

Powerful

- Frequency range is from 1Hz to 20Hz.
- Pressure range is from 3mmHg to 30mmHg.

Effective

- AWC (HFCWO) has been proved 2 to 3 times more effective than traditional chest physical therapy techniques in terms of mucus removal.

Efficient

- Unlike other techniques performed manually, AWC is a highly automated system almost operating on its own, requires much less presence of medical staff.
- AWC therapy is time-saving. The average therapy session is only 20 minutes long.

Ease of use

- Plug and play design.
- Intuitive interface on a large touch screen.
- Automated system with productive workflow.

Optional diversity

- From reusable to disposable vest and chest straps.
- Various sizes of vests and chest straps.



Indications

- Asthma
- Bronchiectasis
- Lung Infection
- Emphysema
- Pneumonia
- Myasthenia Gravis
- Bronchitis
- Occupational Lung Disease
- Cystic Fibrosis
- AIDS with CARINI Cystic Pneumonia
- Coma
- Respiratory Failure
- Pulmonary Atelectasis
- Spinal Muscular Atrophy etc.
- After Tracheostomy
- Post-operative AIRWAY Management
- Spinal Cord Damage
- Ventilator Dependent patient etc.

Application Department

- Cardiac Surgery
- Thoracic Surgery
- Infectious Diseases
- Emergency
- Paediatrics
- Geriatrics
- Respiratory Medicine
- Neurology Department
- General Surgery
- Neurosurgery
- ICU

Device Specifications

Display	LCD Touchable Screen
Voltage	AC220V±22V, 50HZ+-1HZ
Ultra quiet design	≤70Db
Mode	Normal, Ladder, Cyclical
Pressure range	3-30mmHg
Frequency	1-20HZ
Output	240VA
Machine size	37.2(L)x34(W)x25(H)cm
Machine weight	12kg



Garments Specifications

Material Types	Polyester, nylon fabric
Vest	
Small	Length 450mm and width 400mm
Medium	Length 550mm and width 480mm
Large	Length 570mm and width 540mm
Chest band	
Small	Length 90cm x height 20cm
Medium	Length 110cm x height 20cm
Large	Length 130cm x height 20cm



Reusable Vest



Reusable Chest Band

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