

## WIND AIRWAY CLEARANCE SYSTEM

EASY AND EFFECTIVE DAILY AIRWAY CLEARANCE FOR PATIENTS WITH CHRONIC RESPIRATORY DISEASES



### CHALLENGES

(From top left)

- 1) WIND Airway Clearance System
- 2) Using the WIND Airway Clearance System

WHO estimated that by 2030, Chronic Obstructive Pulmonary Disease (COPD) will be the third leading cause of death worldwide. COPD includes lung diseases such as bronchiectasis and cystic fibrosis. Patients with chronic lung diseases often face difficulty breathing due to accumulated mucus in the respiratory system.

Conventional treatment options are limited to drugs and chest physiotherapy. However, these methods are labour intensive, time-consuming and may not be completely effective. Consequently, patients experience persistent symptoms, regular hospitalization and heavy financial burdens.

### OUR SOLUTION

The WIND Airway Clearance system uses on-demand acoustic vibrations to gently loosen and mobilize mucus from the respiratory system to provide symptom relief.

This treatment system is also paired with a mobile application to enhance therapy by providing data analytics driven insights to caregivers and clinicians.

Product development is currently in progress. The United States Food and Drug Administration (USFDA) has categorized this as a Class 2 medical device.

### BENEFITS

- Reduces therapy time by about 75% or 1.5 hours
- Caregiver independent
- Easy-to-use and lifestyle integrative
- Consistent therapy quality and delivery
- Real-time feedback allows ease of monitoring and tracking therapy progress
- Includes data analytics to generate insights and predictive markers

