



SAFE | COMPLIANT | PROVEN



COVID-SECURE

Increasing personal safety

# CTEX

## Covid Air Assist Device (CAAD)

The CTEX CAAD has been developed as a biological countermeasure to the Coronavirus pandemic and was a winner of the UK Ventilator Challenge. The CTEX device is one of only a few devices to gain MHRA Approval.

Described as 'Oxygenation Reinvented', the Military & Biological Grade CPAP technology is designed for the treatment of COVID-19 and other respiratory diseases e.g., Flu, COPD, TB as well as for use in biological warfare. The CTEX device uses less oxygen, while providing excellent levels of inspired oxygen and keeping medical staff safe.



5-15 litres per minute

### Key benefits

- ✓ Uses less oxygen - only requires between 5-15 litre/minute oxygen
- ✓ Tuned to deliver higher Inspired oxygen to the patient: >72% Inspired Oxygen at only 15L/ minute
- ✓ Can be used at home with an oxygen concentrator - no cylinders required
- ✓ Viral filtration – the device draws in room air via two replaceable viral filters to filter the air of all bacteria and viruses
- ✓ Sealed patient consumables - less risk of viral aerosolization for staff and carers with a choice of nose or face mask for convenience
- ✓ ROI of 24hrs when compared to other devices on oxygen use alone
- ✓ Anti-viral materials used minimize the lifespan of the COVID-19 virus
- ✓ Portable and designed to be robust

### Technical characteristics

Dimensions (mm)	140 x 205 x 75
Weight	~ 2kg
Maximum noise level	< 60dB(A)

#### Evidence

- ✓ MHRA approved
- ✓ CTEX trial 1 in the Intensive Care Medicine Unit at Bangabandhu Sheikh Mujib Medical University Hospital
- ✓ CTEX showed to be 7% better at oxygenation than the current most advanced similar device on the market (99% statistical confidence)

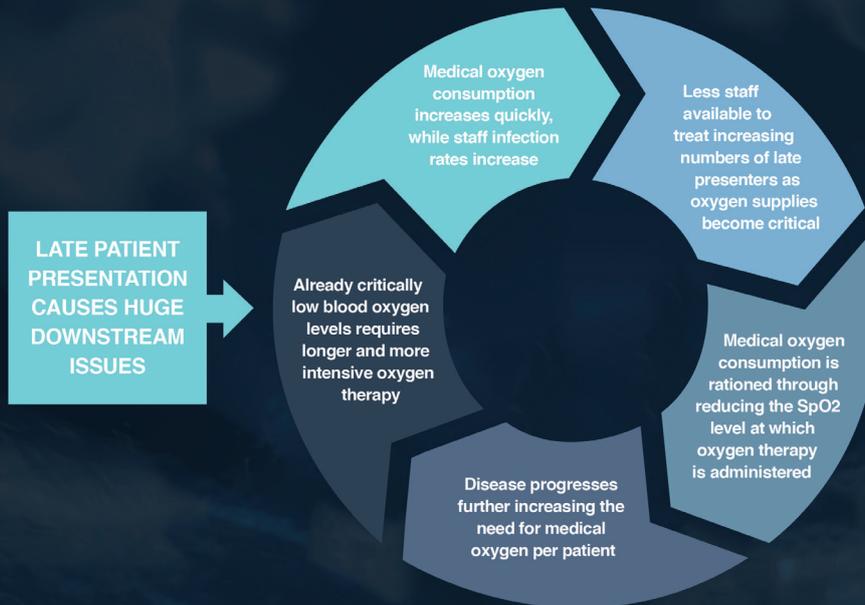
#### Maintenance requirements

- ✓ Every 24 hours: Replace patient viral filter and clean external surfaces
- ✓ Between patients: Replace patient circuit, replace viral inlet filter and clean external surfaces

# BREAKING THE VICIOUS CYCLE OF REACTIVE COVID TREATMENT

An Effective Management Strategy For CV19 & Other Respiratory Disease For The Long Term

## Reactive CV19 Strategy Vicious Circle



## Proactive CV19 Strategy Virtuous Circle

