CANOPPE
AIRWAY DOME

Negative Pressure Technology Enabled Physical Contamination Barrier

Developed by Dr. Joao Rezende-Neto and Dr. Ori Rotstein in response to what they were experiencing firsthand and hearing from colleagues around the world. Traditional PPE is falling short in providing healthcare professionals the security they desire from the corona virus during aerosol and droplet generating procedures including; noninvasive ventilation, intubation and a variety of other procedures. As a result, they created the CANOPPE Airway dome to provide an additional layer of security for healthcare professionals working in these challenging times.

Key Features:

- Negative air exchange capacity of 41 air exchanges per hour / every 1:43 minutes
- Domed shaped ergonomic design allows optimal workflow
- High-Visibility transparent and flexible material and design
- High Efficiency Particulate Air (HEPA) filters to remove virus particles while under negative pressure
- Integrated sleeved gloves for contactless patient care
- One-way valve air-in port enhances personal protection
- Efficiently stocked and effectively incorporated into best practices, including deployment
- Access ports for airway management equipment, tubes, and surgical tools

There are strong use cases for this device in ambulance transport, emergency departments, operating rooms and intensive care units during the COVID-19 pandemic and beyond. The device comfortably accommodates the patient and protects the healthcare provider while allowing safe access for procedures in the airway, head and neck, and upper chest regions. This device could also be used to accommodate the patient for extended periods of time.

Certified Air Exchange Rate Capacity
(per hour)

Airway Dome
41 times

Operating Rooms
15 times*

Intensive Care Unit
6 times*

Emergency Rooms
6 times*

Patient Rooms
6 times*

*As per Center for Disease Control standards 2020