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Nocca Robotics launches high-flow oxygen therapy device

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The cutting-edge device is proven to be effective in the treatment of COVID-19 patients and is easy to use and comfortable for the patients



Nocca Robotics Pvt Ltd, an incubate company at IIT Kanpur, has launched a High-Flow Oxygen Therapy Device, Noccarc H210. The cutting-edge device is proven to be effective in the treatment of COVID-19 patients and is easy to use and comfortable for the patients. High-Flow Oxygen Therapy drastically reduces the chances of intubation.

The HFOT (High-Flow Oxygen Therapy Device) provides humidified oxygen-rich air to the patients through a nasal cannula, thus increasing the oxygen level supplied to the blood. HFOT provides easy oral suctioning and expectoration. The heated and humidified gas also enhances epithelial muco-ciliary, thus lowering the risk of respiratory complications such as pneumonia and delirium. The use of cannula in the HFOT makes it easy for the patient to communicate with the healthcare professionals and reduces the risk of tomophobia to the patient caused due to intubation.

With a servo humidifier, Noccarc H210 provides humidified air at a controlled set temperature and humidity levels. Incorporating high-end technology, the Noccarc H210 has a 4.3-inch touch screen interface for easy accessibility, electronic FiO_2 control with inputs for high- and low-pressure oxygen, and a turbine-based flow generator. The product is also equipped with an integrated heater and dual temperature sensors. The versatile solution also has adult and pediatric modes, that allow healthcare professionals to use it on both children and adults with variable flow rates.

Carefully designed for convenience and usability, the Noccarc H210 comes with various alarms to alert healthcare professionals in case of tube blockage/disconnection, unplugged temperature sensor, unplugged heater wire.