

COV/GLA/20/06 - CARP: COVID-19 Advanced Respiratory Physiological Platform

Patients with COVID-19 pneumonia are at risk of sudden deterioration, and a key challenge during the pandemic is to monitor unprecedented numbers of patients. Using wearable sensors to monitor breathing allows clinical staff to gather data and use machine learning to determine the signs that predict respiratory failure. As more information is gained, a software application will be created which monitors physiological data from patients wearing sensors, in real time, and which can alert physicians to patients exhibiting early signs of respiratory failure, allowing treatment as early as possible.