

Welcome to the HFNOsplitter project - SHFNO.org

This project is dedicated to doubling the capacity for High Flow Nasal Oxygen (HFNO) treatment by simultaneously connecting two COVID-19 patients to one HFNO-device by adding 3D printed parts. This project is currently only aimed at the Airvo™ 2 Optiflow™ system (Fisher & Paykel Healthcare Limited, Berkshire, United Kingdom).

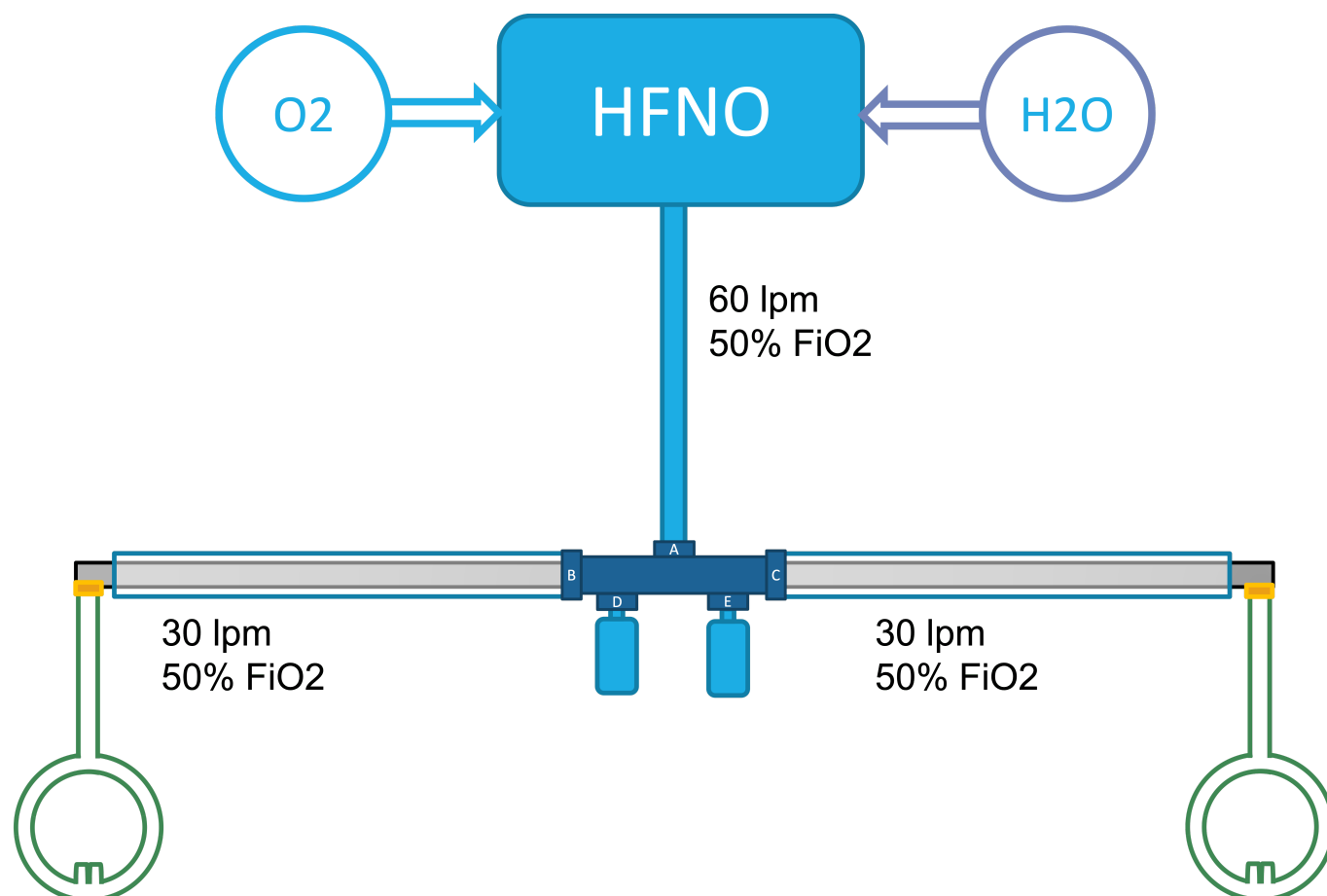


Fig 1. SHFNO Schematic setup

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N.B. 2 This project is not done in conjunction or collaboration with, nor under the influence of the original manufacturer of any equipment, medical or otherwise.

Demo

This AR demo, only available on iOS, shows the 3D printed parts in actual size in Augmented Reality. Launch the demo by opening the link using an iPhone or iPad:

[Launch AR-Demo](#)

Working group

Name	Title	Place of Work	Role in Project
Jesper Hessius	MD, Internal Medicine and Cardiology Resident	Västmanland Hospital Västerås Region Västmanland	- Project initiator - Project coordinator - Documentation - Risk analysis
Erik Cederberg	Chief Engineer	3Dverkstan	- CAD - Design
Erik Ekblom	Biomedical Engineer	Imaging and Functional Technology Skåne University Hospital Lund	- 3D printing
Petter Frieberg	MD, Engineer, PhD-Student	Clinical Physiology and Nuclear Medicine Skåne University Hospital Lund	- Validation - Flow simulations
Einar Heiberg	Associate Professor, engineer	Clinical Physiology Skåne University Hospital Lund	- 3D printing - Regulatory affairs
Per Nordqvist	Biomedical Engineer	Department of Medical Technology Skåne Region Skåne	- Regulatory affairs - Documentation - Risk analysis
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