

COVID Isolation Hood

Project File



Project number POCI-01-02B7-FEDER-048566

Project of R&D companies in co promotion: COVID-19 (R&D Testing and Optimization Companies and Infrastructures)

Total Eligible Cost: 198.005,21€

Call: Industrial R&D Projects

Financial Support: FEDER – 169.992,97€

Period of execution: 2020-06-01 a 2021-01-31

Project Summary:

Reusable Protection and Isolation Hood (PIH) for COVID patients, which prevents contamination of the surrounding space, healthcare professionals and other patients. The PIH will be flexible, adaptable to all beds, allowing for comfortable isolation, and safe extubation and transport. The need for suitable PIH systems, insulation and protection hood is extremely high. Recent studies confirm that the risk of aerosolization in COVID patients is high and difficult to avoid, being especially severe during extubation. The project proposes a new PIH that will allow:

- i) Access by the healthcare professional to the infected patient, ensuring high freedom of movement, and allowing the extraction of aerosols;
- ii) Allow easy and safe handling, so replacement is quick;
- iii) Be reusable, that is, be able to be sterilized in the existing systems in a quick and continuous way, but which also bets on sustainability;
- iv) Be extensible, due to the possibility of being extended to cover the patient's entire body.

Consortium:



Dra. Margarida Castro

Co-financed by:



UNIÃO EUROPEIA
Fundo Europeu
de Desenvolvimento Regional