

ECMO Simulator: first task trainer for safer ECMO

A low-cost task trainer and simulator for practice and credentialing ECMO cannulation and workflow improvement



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Market:

The global Extracorporeal Membrane Oxygenation (ECMO) market is \$267 million in 2019 and expected to reach \$371.8 million by 2027. The number of ECMO procedures performed have tripled since 2014 and is driven primarily by ICU needs.

Technology:

The ECMO Simulator is a task trainer that allows for trainees and credentialed physicians to practice ECMO cannulation, the riskiest step of ECMO procedures, and for hospitals to model the ECMO workflow.

IP and Stage:

1 patent. Deployed at UW Health since Q2 2019, resulting in 2.25X increase in the number of ECMO credentialed physicians, 25% increase in ECMO procedures, and increasing UW Health ELSO certification from Silver to a Gold Center of Excellence.

Impact:

The ECMO Simulator is the first low-cost, easy-to-deploy task trainer and simulator that allows for more physicians to get more training time for ECMO cannulation, the most limiting step for more widespread ECMO use and improved patient outcome.

Ask:

Introduction to ECMO credentialed centers

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