

### Supplemental Digital Content 1: Picture of i-SEP autotransfusion device

The i-SEP autotransfusion device is a medical device consisting of reusable equipment and disposable consumables. Consumables include a dual-lumen suction line, a blood collection reservoir (including a 40 $\mu$ m filter) and a treatment set. The reusable equipment is an electromedical medical device composed by several systems required for blood circulation and continuous measurements, including a continuous in-line hematocrit monitor. The i-SEP device is associated with a specific software to drive the different steps of the device installation and blood treatment.

