

BLOOD TRANSFUSIONS CONVENIENT AND ACCESSIBLE **FOR ALL** 

The first out-of-the-box solution for **cell salvage**.

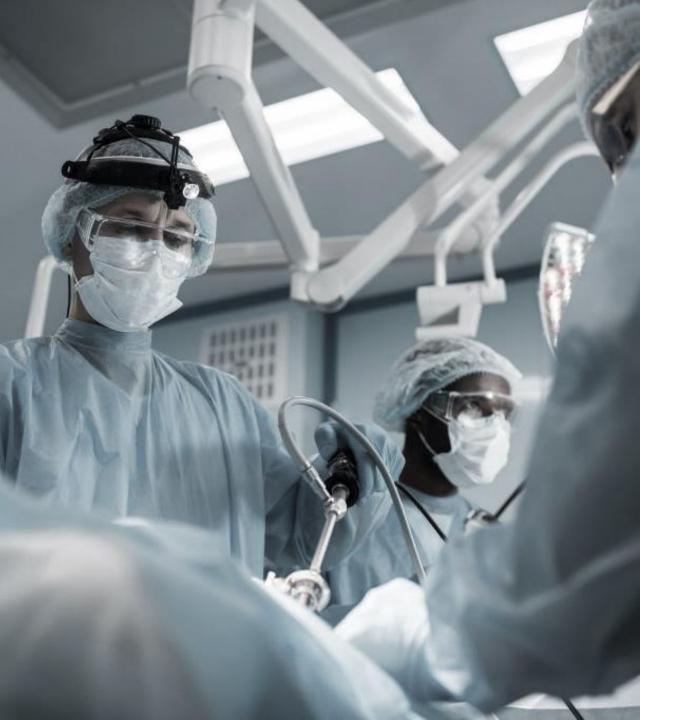
**O Hemo**Clear



#### Every second, someone in the world needs blood

An estimation of the global volume of surgery- www.thelancet.com Vol 372, Universal Access to Safe Blood Transfusion- World Health Organization





# Expensive

100 M units donor blood globally used every year.

Complications, longer recovery time or even mortality

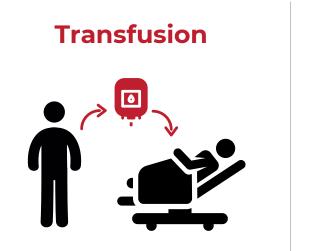
Hospital **surgical** transfusion costs \$1.62 to \$6.03 million per hospital

Shander A, et al.Activity-based costs of blood transfusions in surgical patients at four hospitals. Transfusion. 2010;50:753-765.



# Is there a better way?

**Cell salvage:** The most perfect transfusion blood is your own blood.



Cell salvage





#### Cell salvage is endorsed by official guidelines



We recommend that it should be available for immediate use 24 h a day in any hospital undertaking surgery where blood loss is a recognized potential complication.

2018, Association of Anaesthetists guidelines

Losing platelets leads to lifethreatening complications British Journal of Anaesthesia

For every 4 bags of blood, 1 bag of platelets is should be transfused (€800) in heavy bleeding

2010, British Journal of Anaesthesia



# Current cell salvage technologies are limiting

dedicated equipment

expensive consumables

trained operators

no platelets





# Our solution:

# HemoClear

#### the first out-of-the-box solution for cell salvage

A convenient and safe way to recover and deliver back a patient's own blood during any surgical procedure.

High-quality autologous blood for transfusion in 30-minutes

No high capital investment, extensive training, and expensive consumables.

**Rich in platelets** 



**3 Hemo**Clear

## Simple procedure

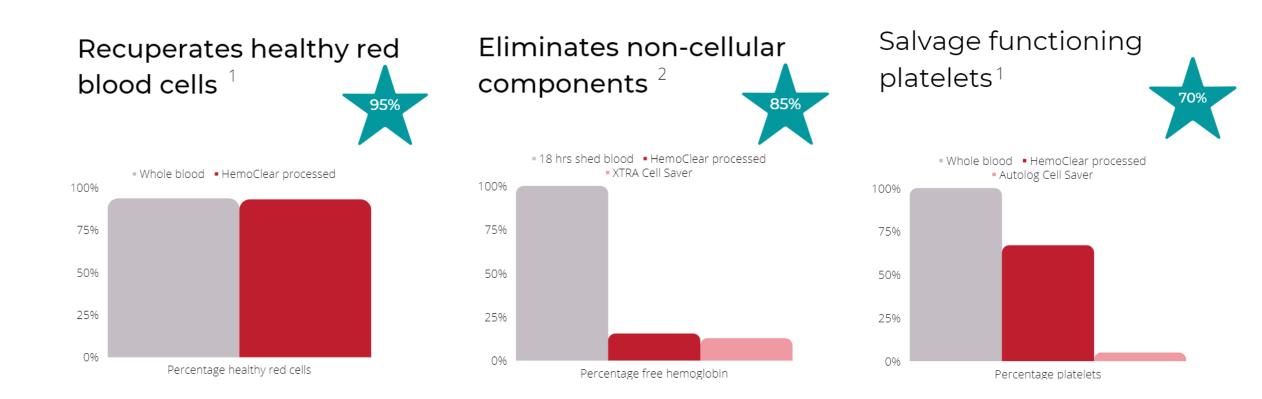








## HemoClear versus Cell Saver

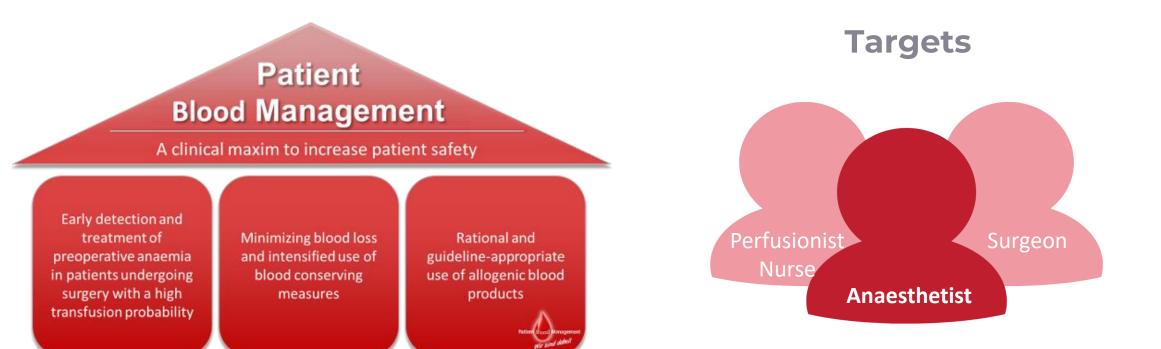


 Osemwengie, Dion, Johan W. Lagerberg, Richard Vlaar, Erik Gouwerok, Mya Go, Arno P. Nierich, and Dirk de Korte. 2022. "Recovery of Platelet-Rich Red Blood Cells and Acquisition of Convalescent Plasma with a Novel Gravity-Driven Blood Separation Device." Transfusion Medicine 32(1):53–63.
Hoetink A. Scherphof SE. Mooi E1 et al. An in Vitro Pilot Study Comparing the Novel HemoClear Gravity-Driven Microfiltration Cell Salvage System with the Conventional Plate Scherphof Section 2019.

2) Hoetink A, Scherphof SF, Mooi FJ, et al. An in Vitro Pilot Study Comparing the Novel HemoClear Gravity-Driven Microfiltration Cell Salvage System with the Conventional Centrifugal XTRATM Autotransfusion Device. Anesthesiol Res Pract. 2020. doi:10.1155/2020/9584186



## **Primary target: Anaesthetist**





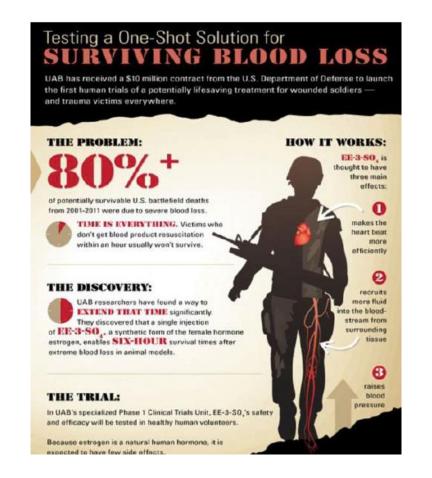
## HemoClear boosts transfusion options

In casualty and disaster management Victims who don't get blood product resuscitation **within an hour** usually won't survive.

HemoClear boosts transfusion options in the so-called crucial 'golden-hour' of survival:

- $\cdot \, {\sf Medication}$
- Artificial blood
- $\cdot$  Donor blood

Give back own blood with HemoClear





## HemoClear The first out-of-the-box solution for cell salvage

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