



Αιμοπροσφόρηση

μια παλιά τεχνική σε νέες εφαρμογές

στη μονάδα εντατικής θεραπείας

Dr. Χρήστος Μπαντής

Νεφρολόγος

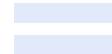
Επιμελητής Α'

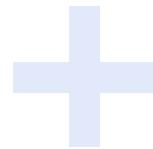
Νοσ. «Γ. Παπανικολάου» Θεσσαλονίκη

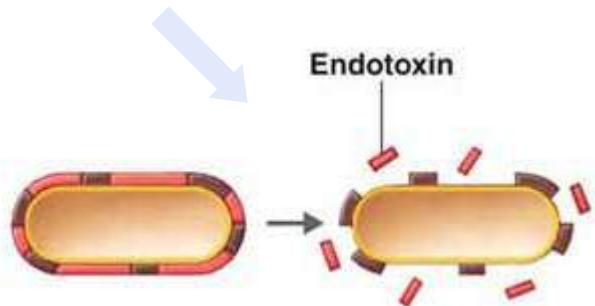
Conflicts of interest?



Φαράγγι του Βίκου

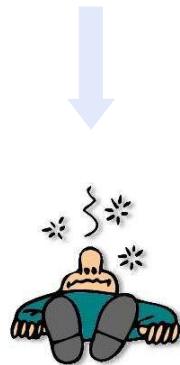






pathogen-associated molecular patterns

systemic inflammatory response syndrome





Endotoxin



pathogen-associated molecular patterns

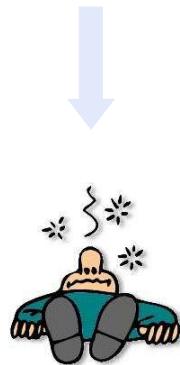
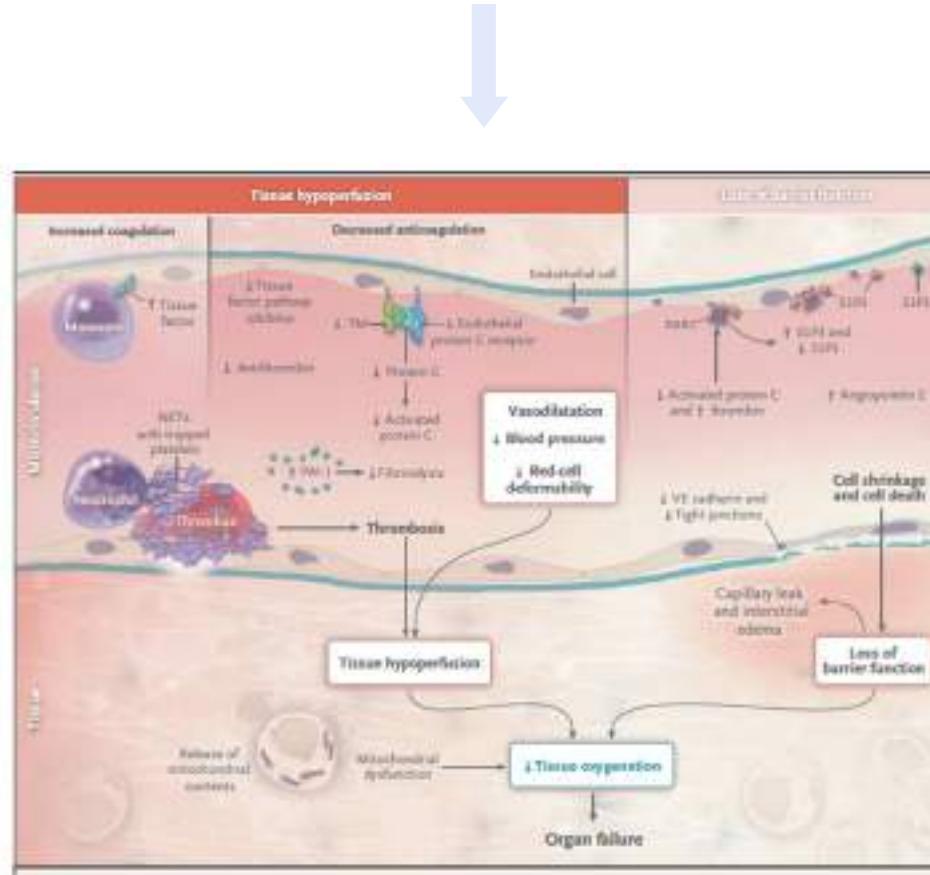


damage associated molecular patterns

systemic inflammatory response syndrome



systemic inflammatory response syndrome (SIRS)

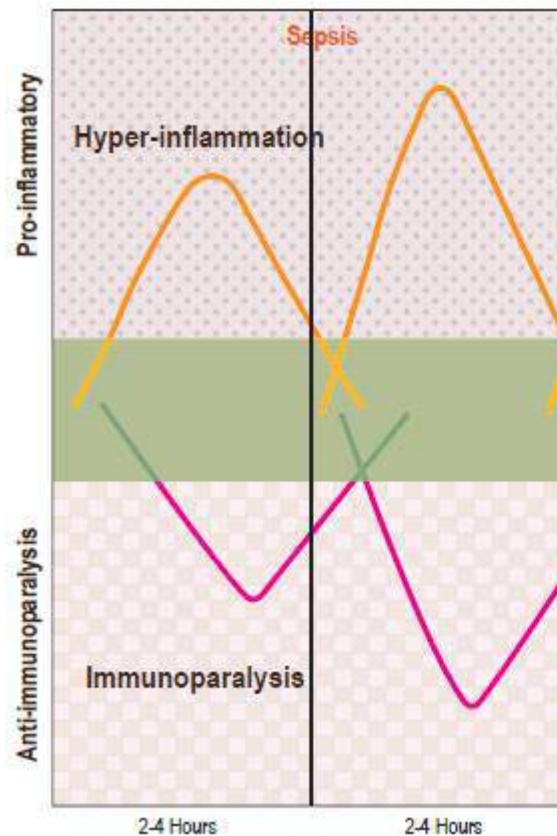


Finfer S et al, NEJM 2013

cytokine storm

systemic
inflammatory
response
syndrome
(SIRS)

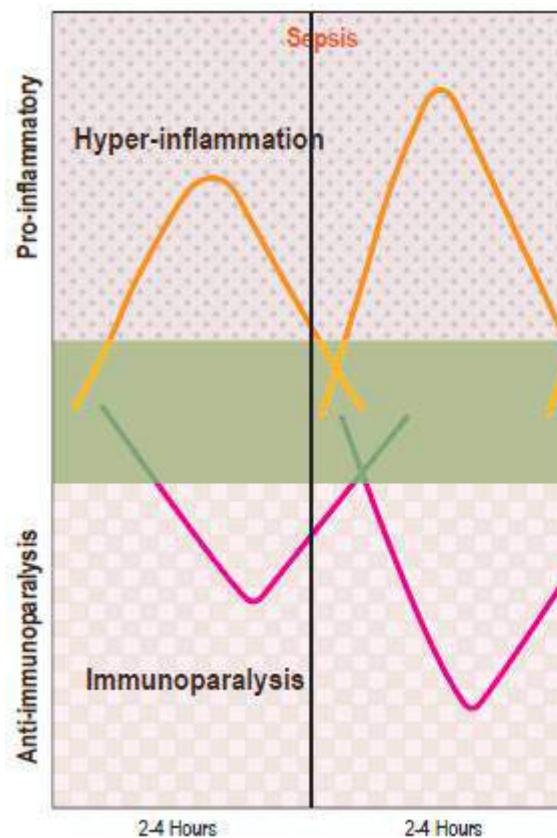
compensatory
anti-inflammatory
response
syndrome
(CARS)



peak concentration hypothesis

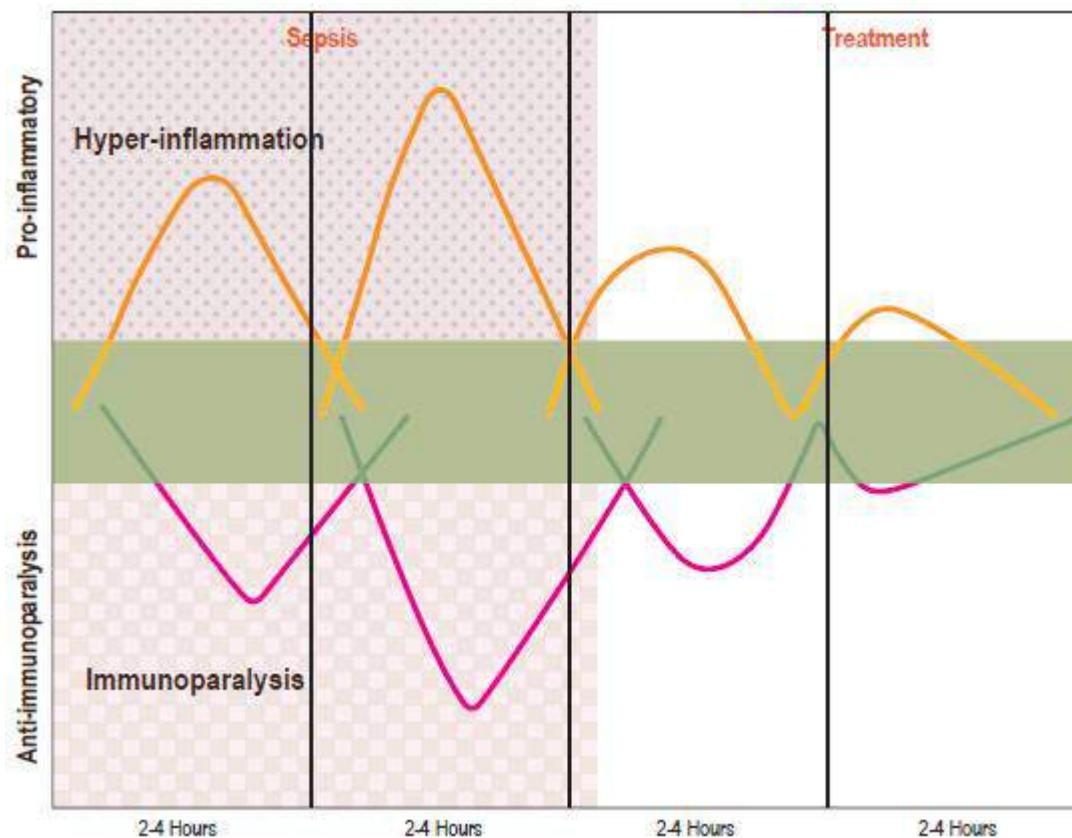
systemic inflammatory response syndrome (SIRS)

compensatory anti-inflammatory response syndrome (CARS)

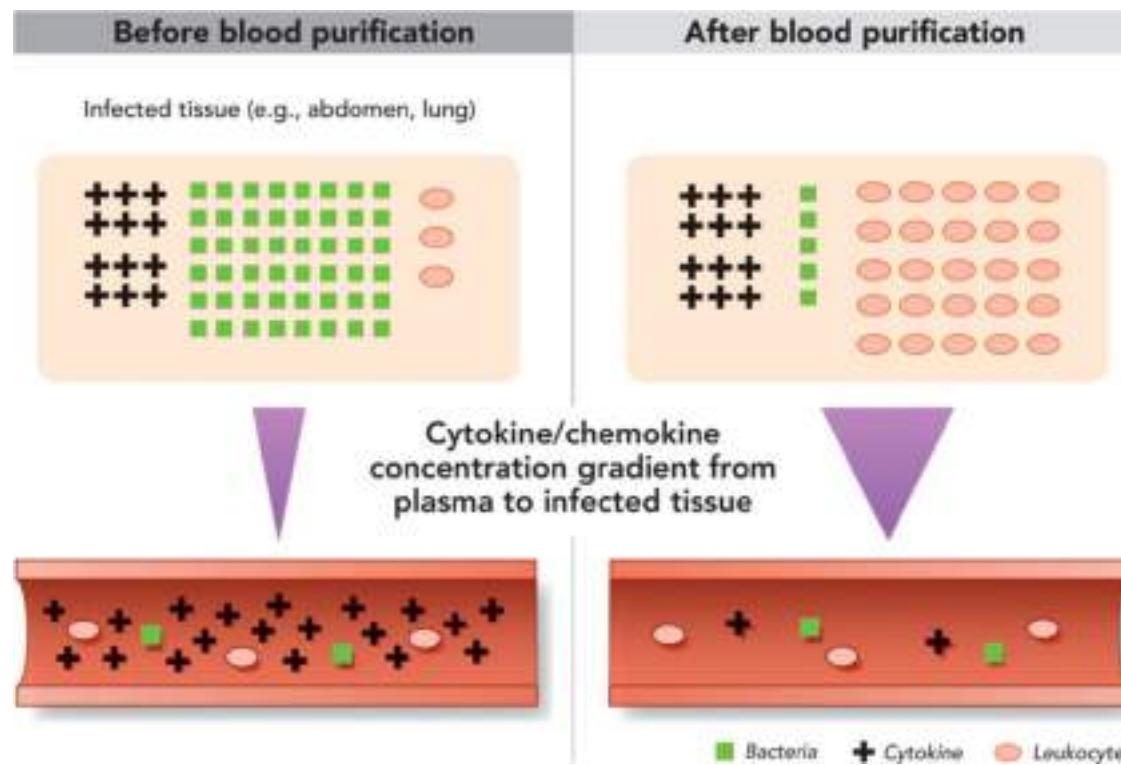


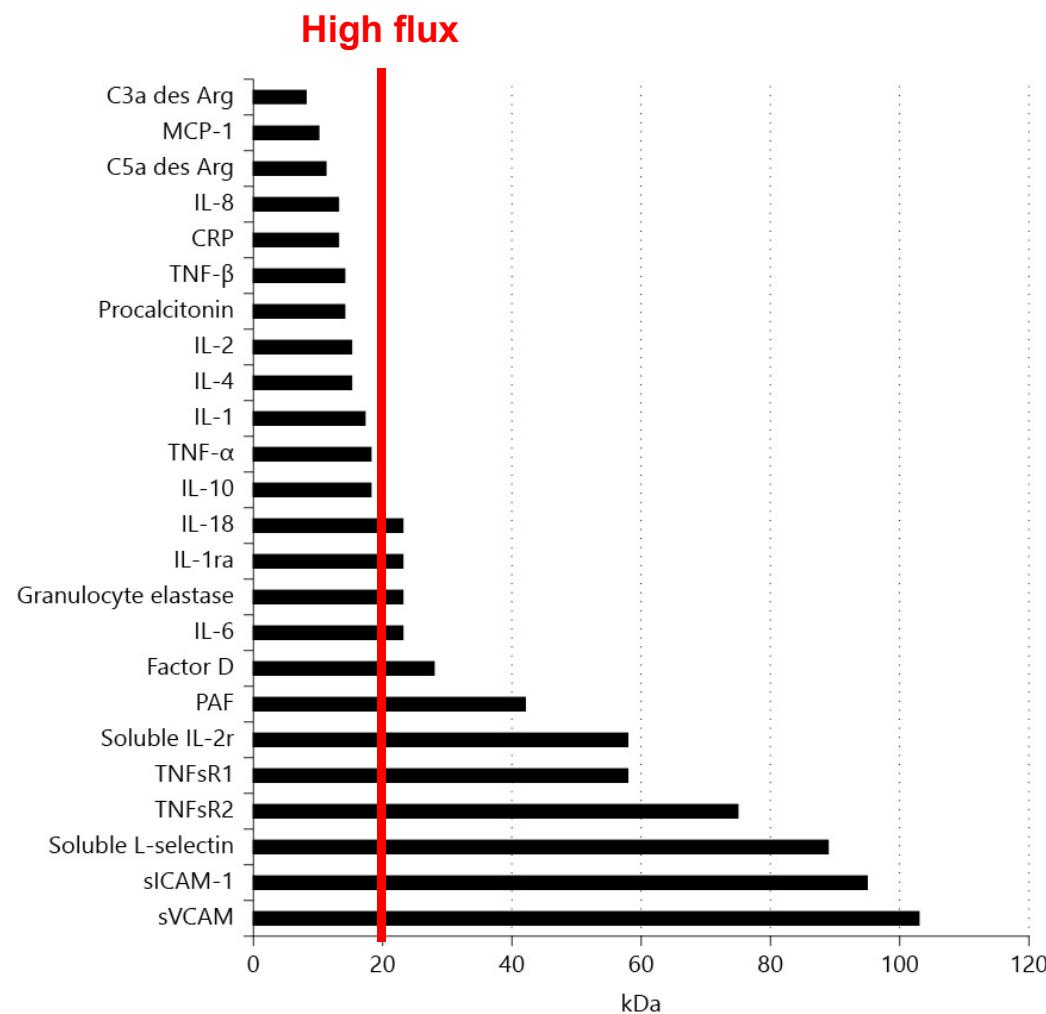
peak concentration hypothesis

systemic inflammatory response syndrome (SIRS)
compensatory anti-inflammatory response syndrome (CARS)

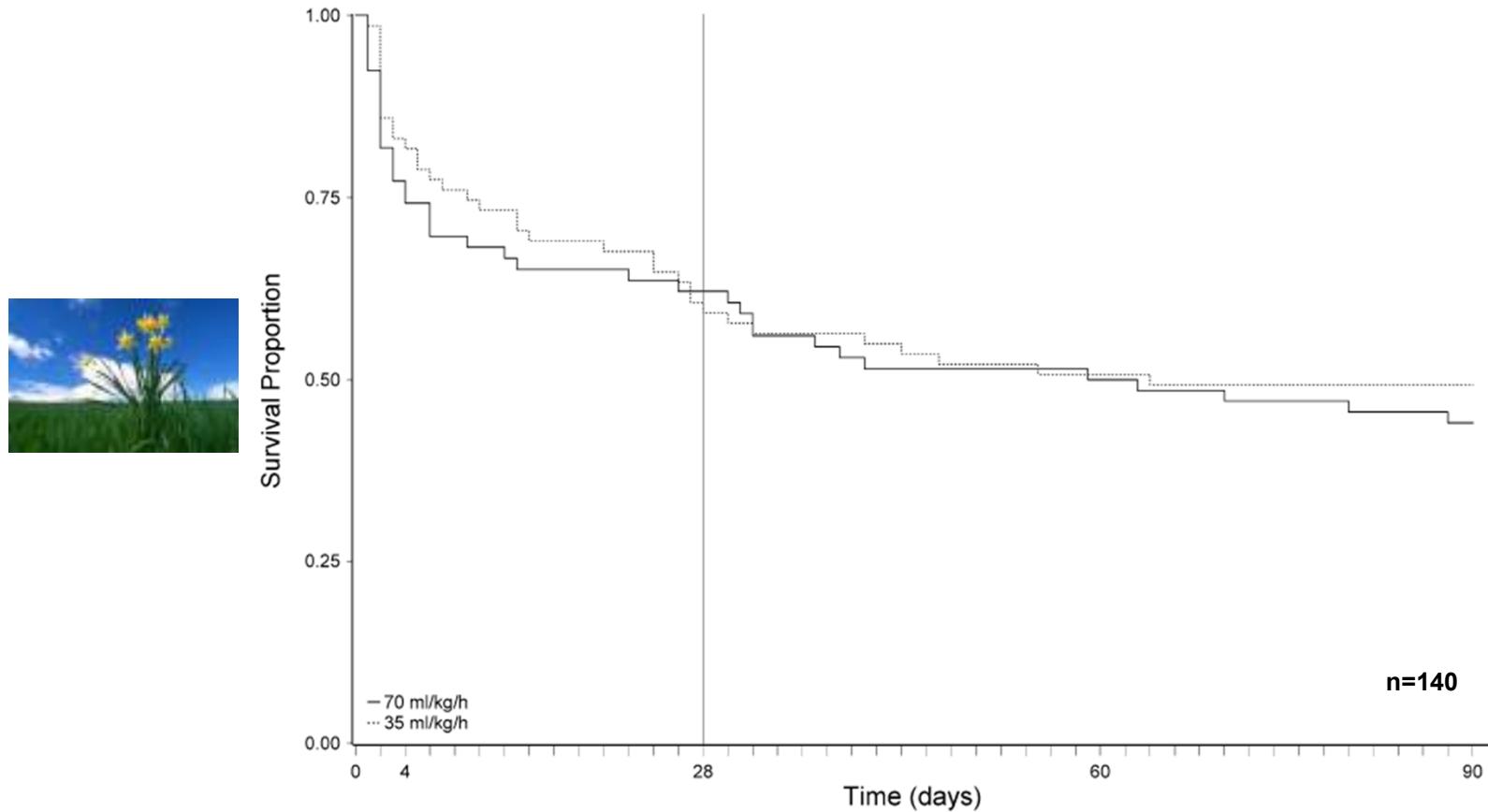


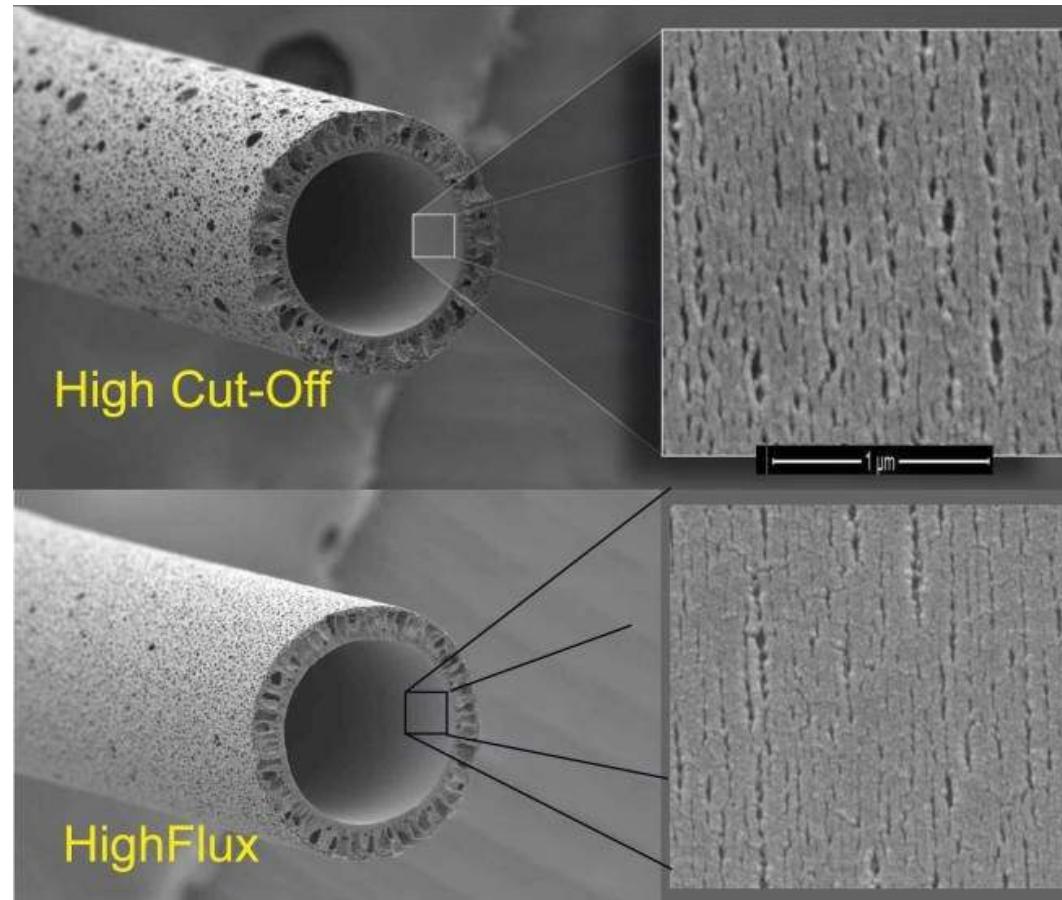
cytokinetic model





high volume hemofiltration



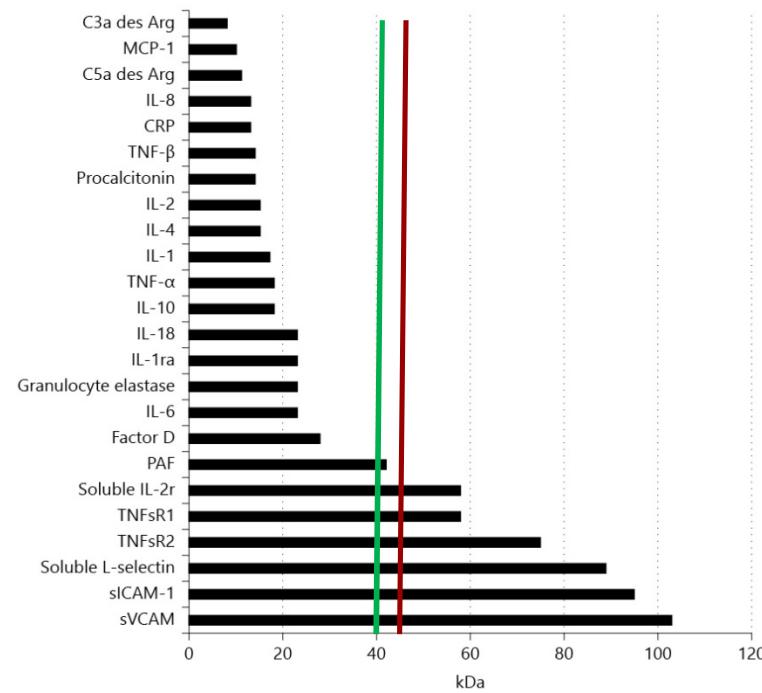


high cut-off membranes



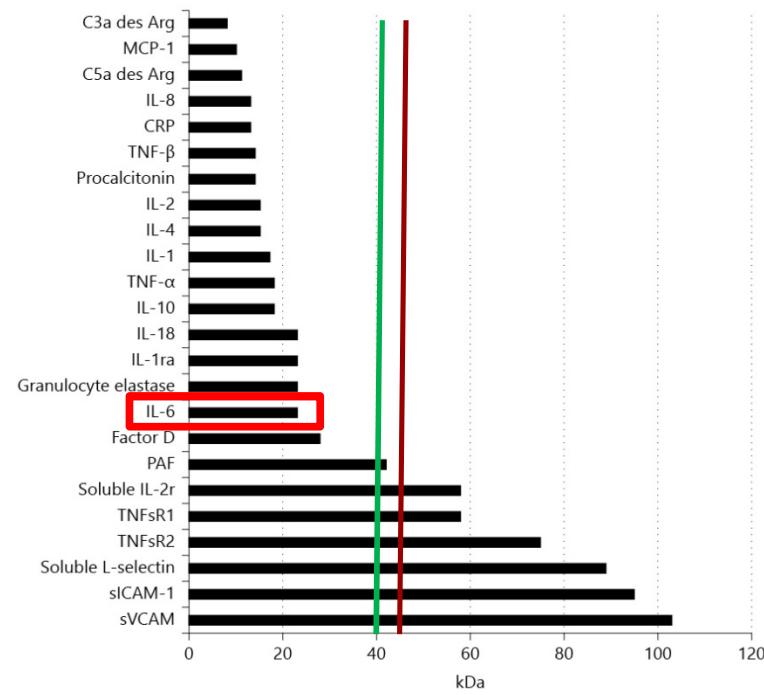
septex

high cut-off membranes



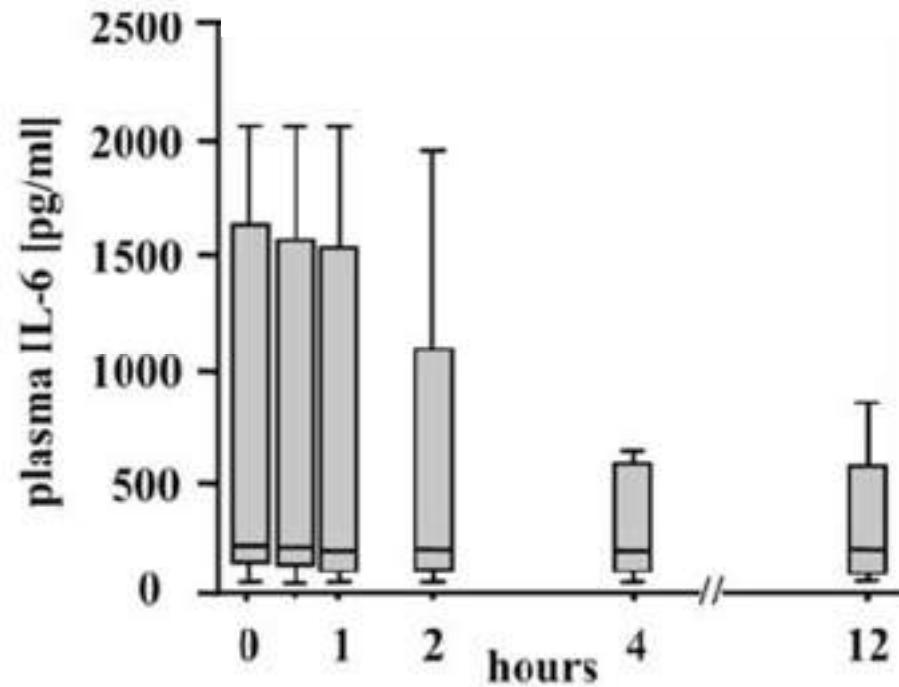
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high cut-off membranes

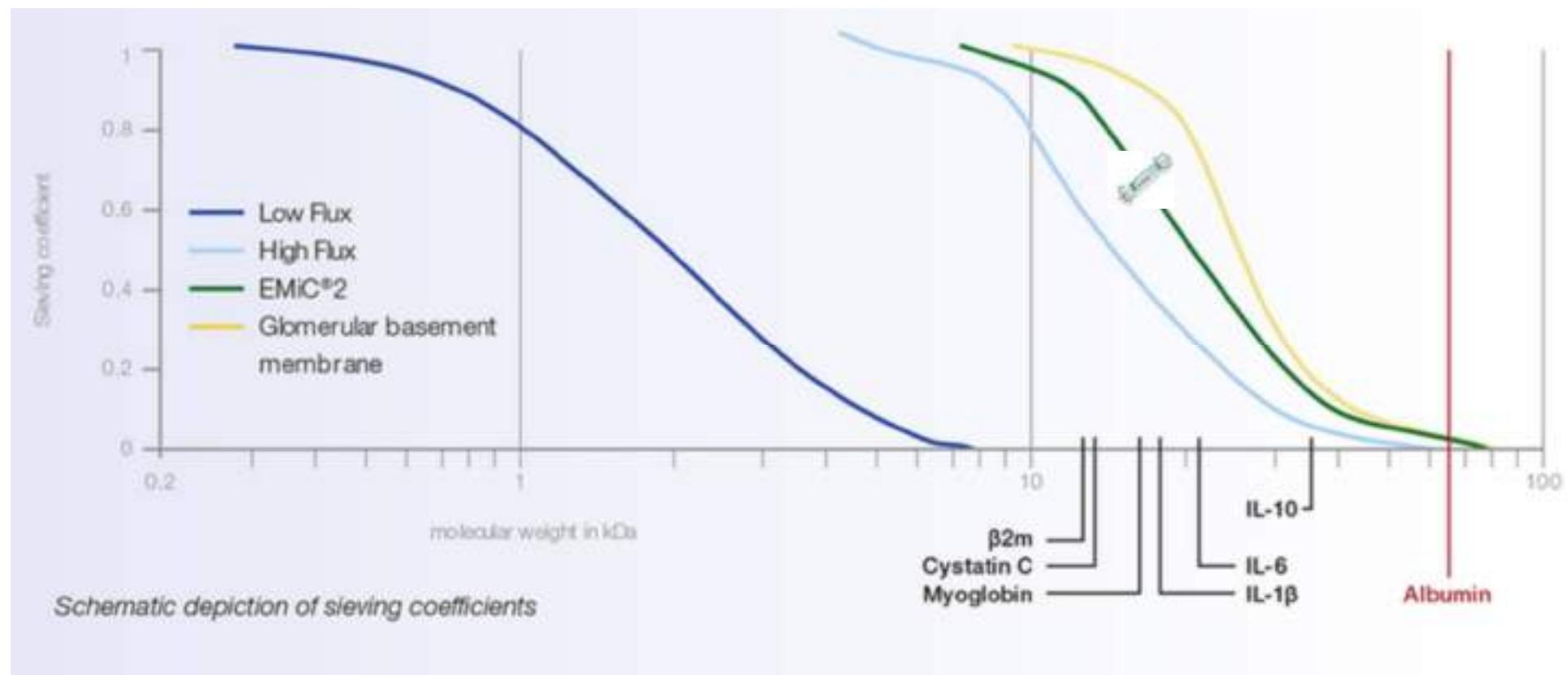


septex

high cut-off membranes

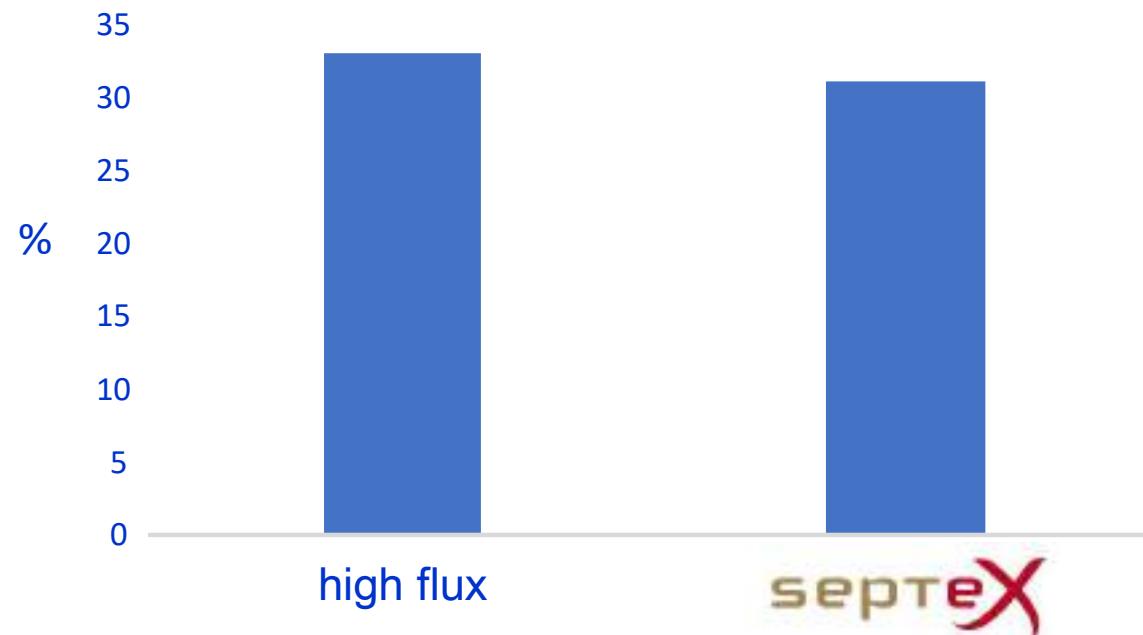


high cut-off membranes



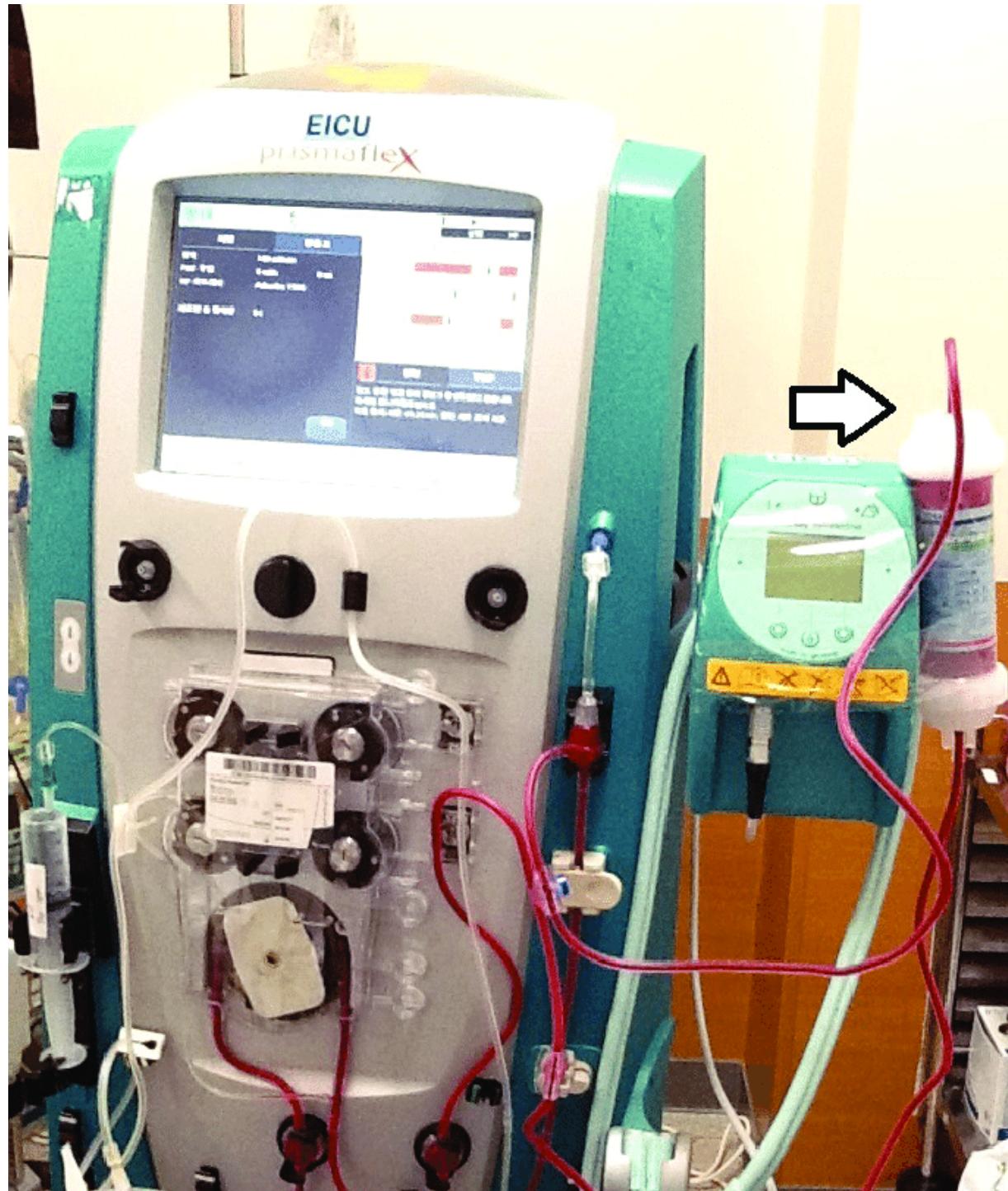
High Cut-Off Sepsis study

n=81 (120)



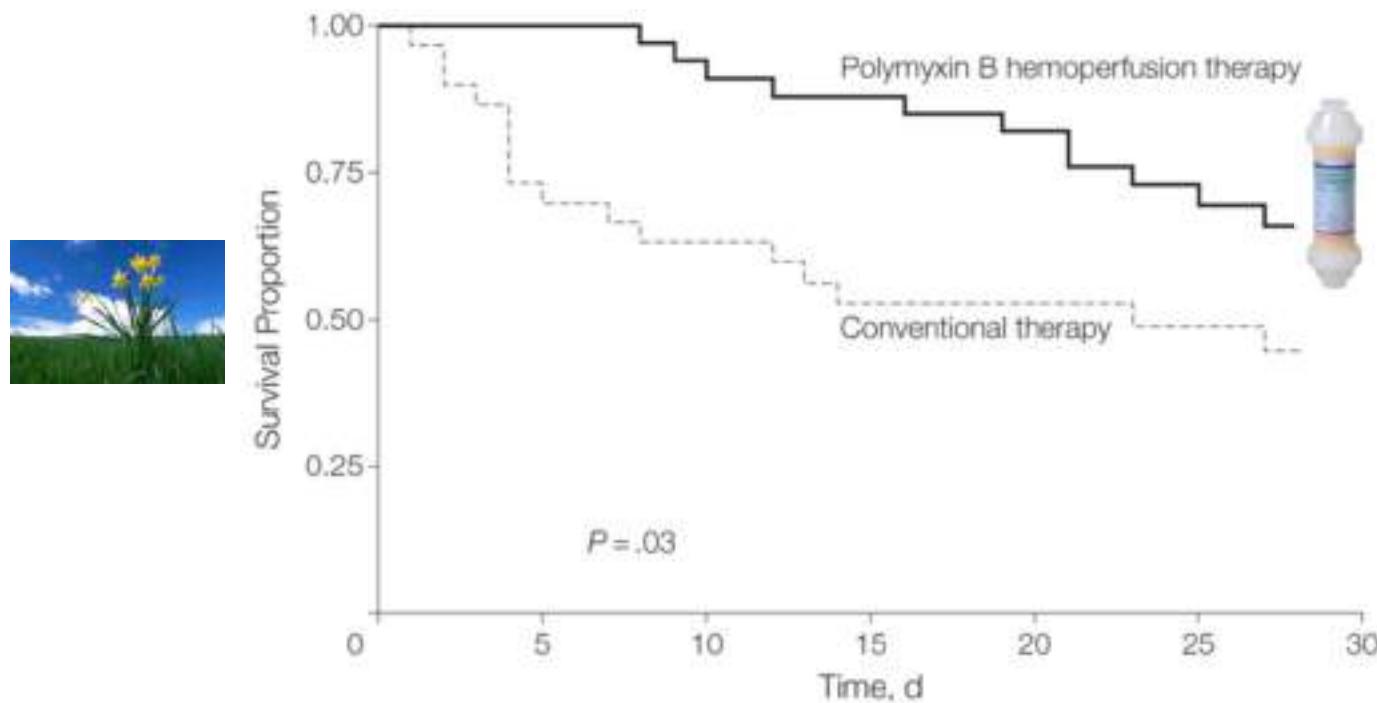






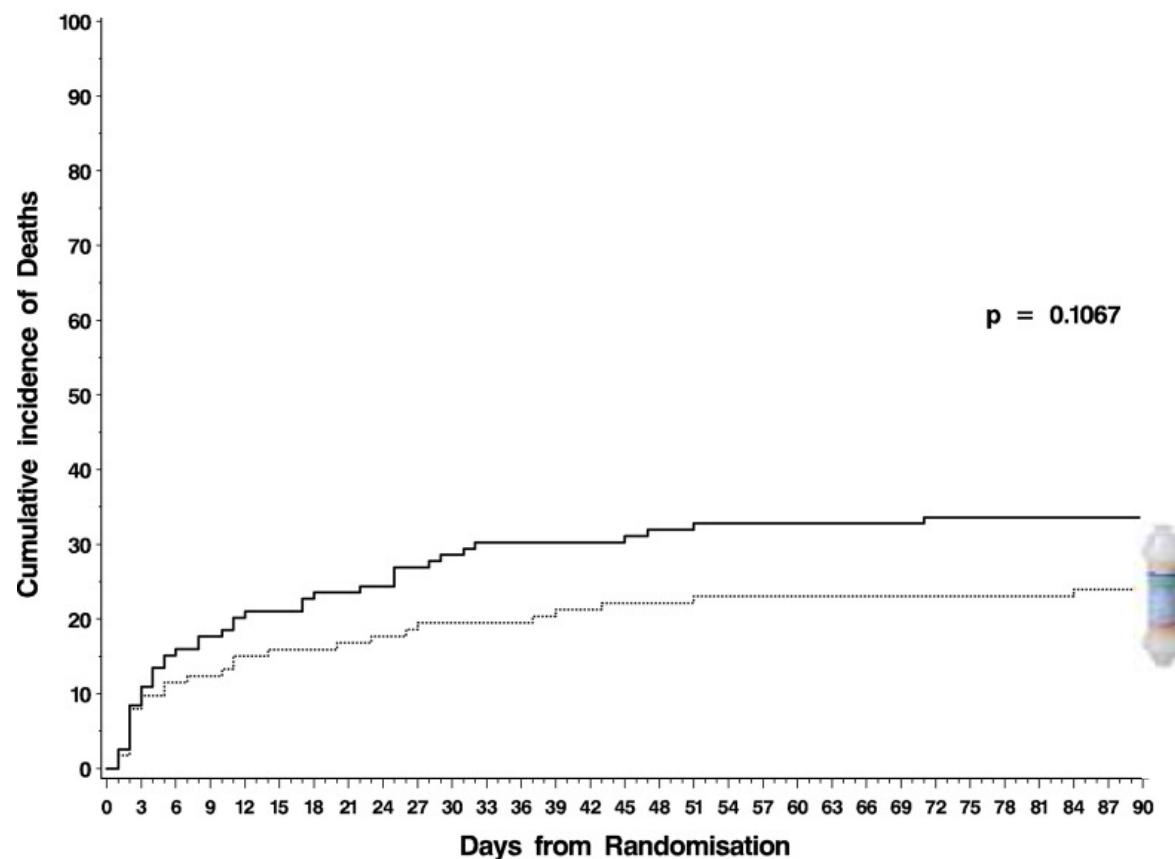
EUPHAS trial

n=64



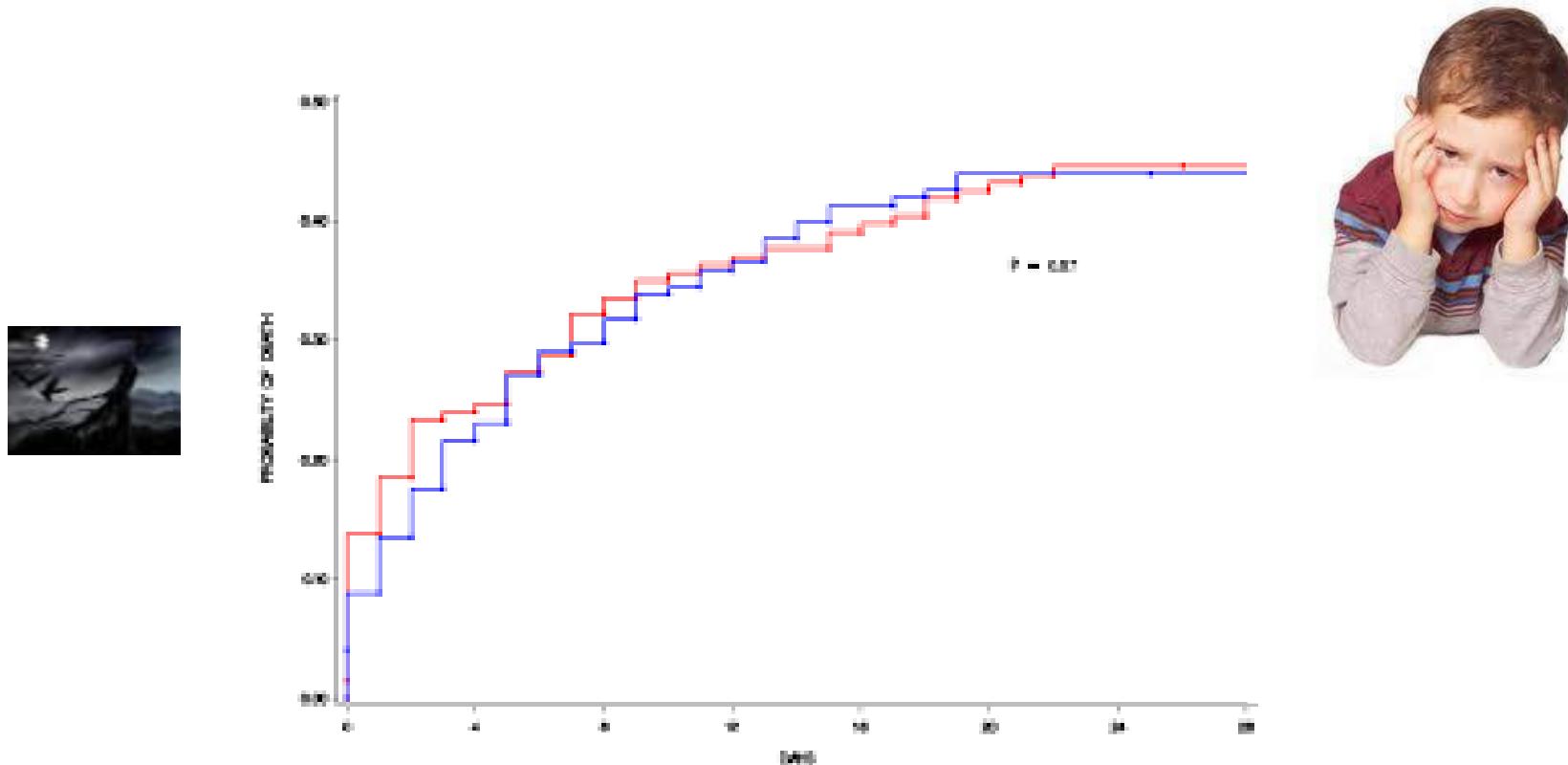
ABDO-MIX trial

n=130



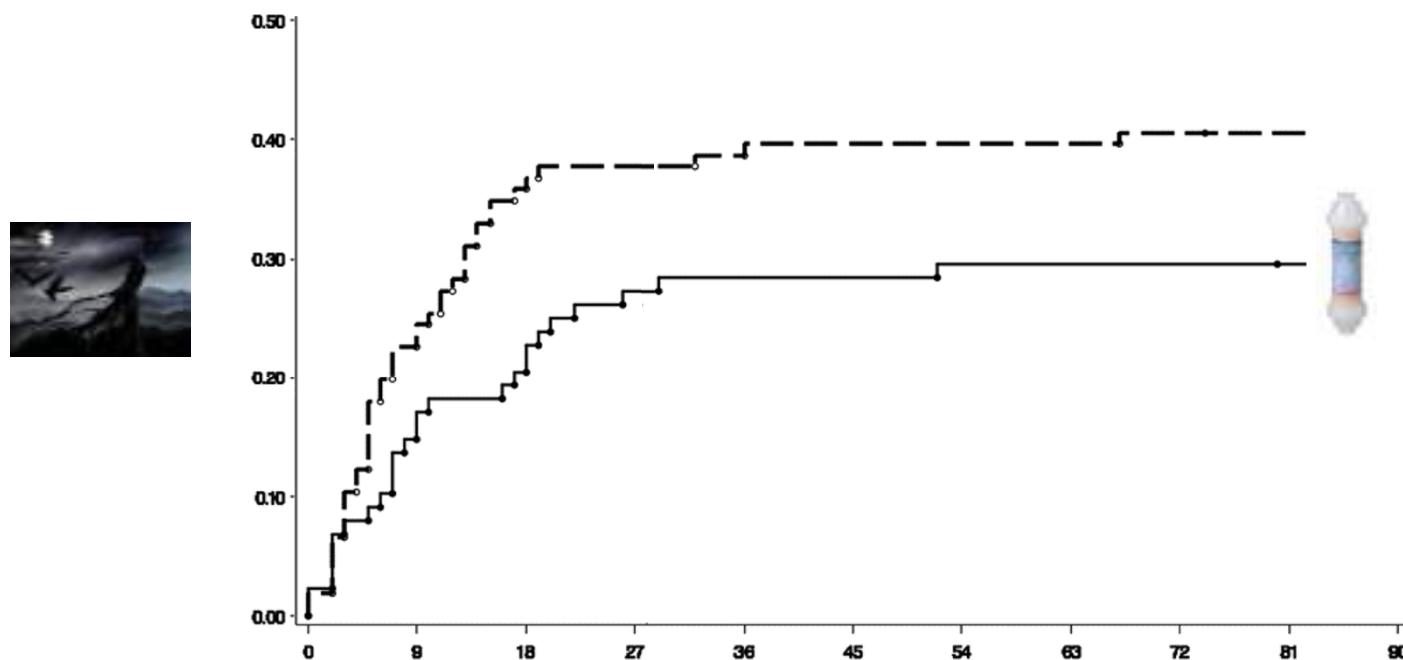
EUPHRATES trial

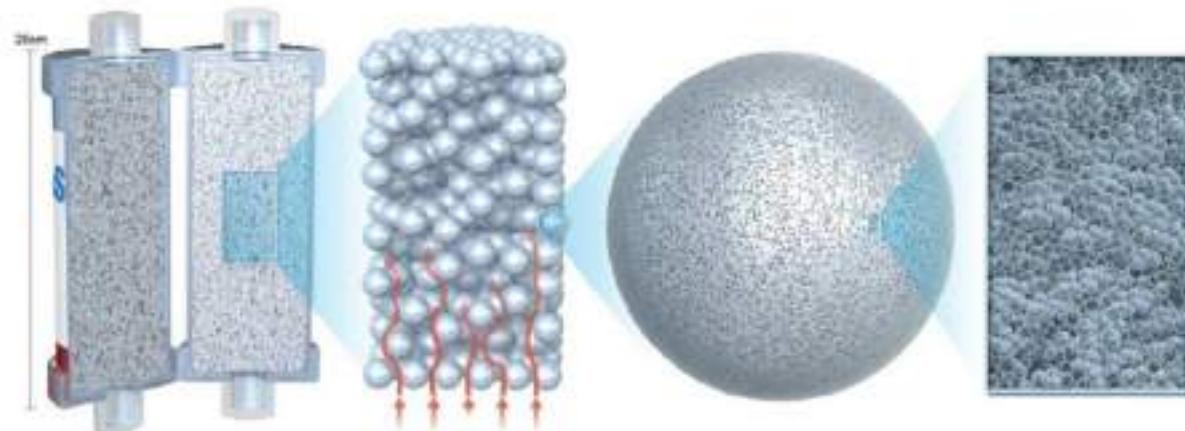
n=450

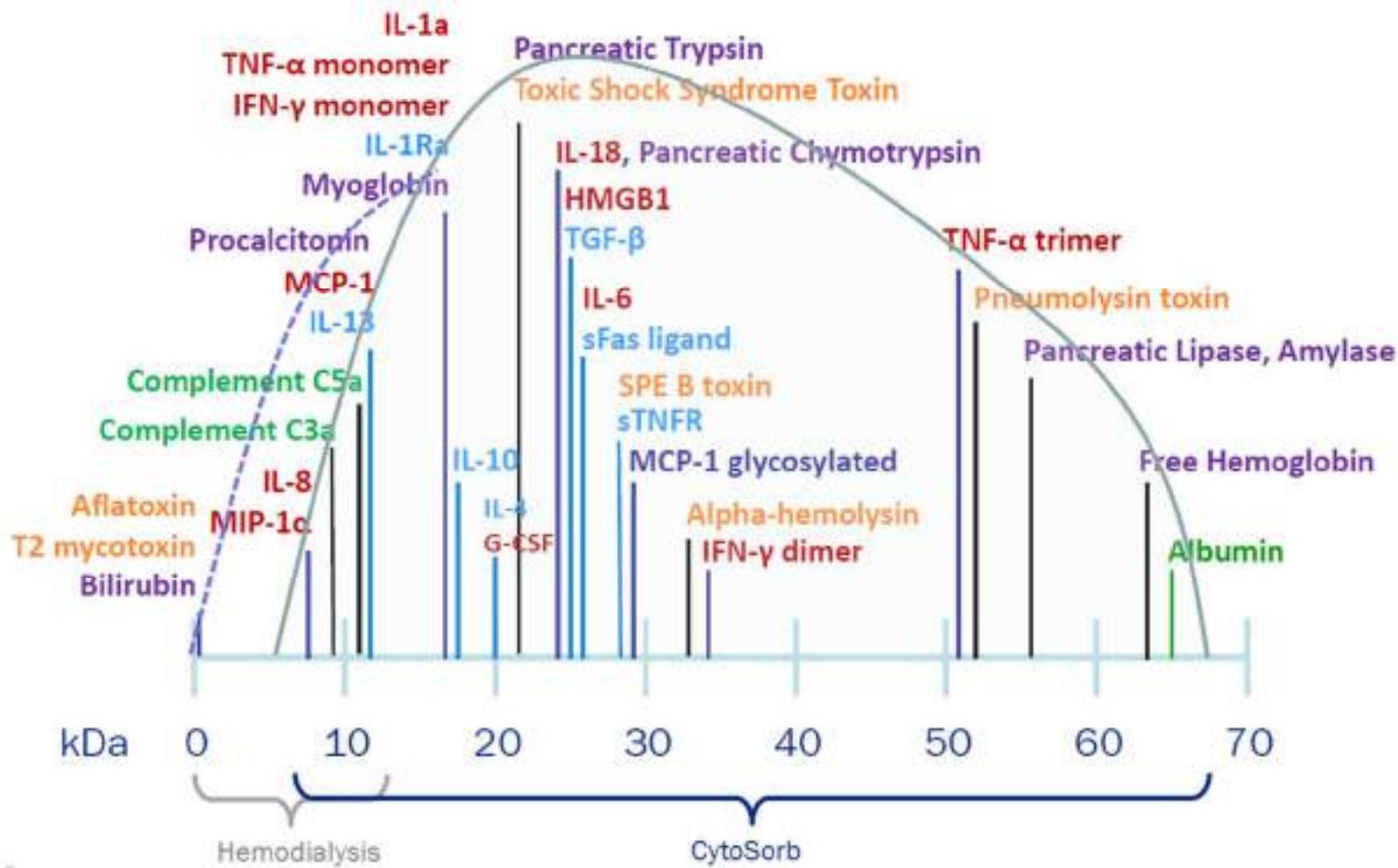


EUPHRATES trial

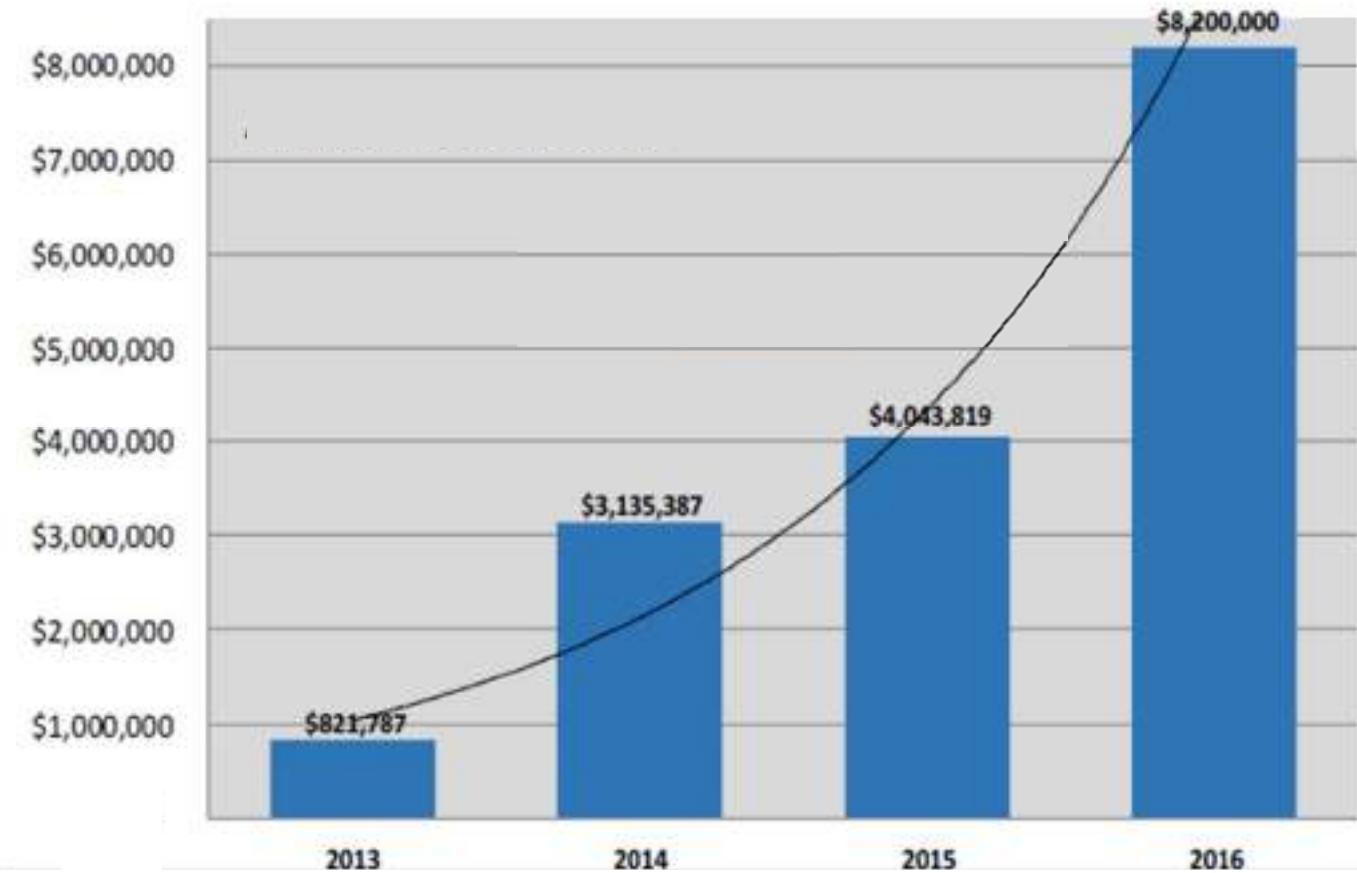
Post hoc analysis n=200

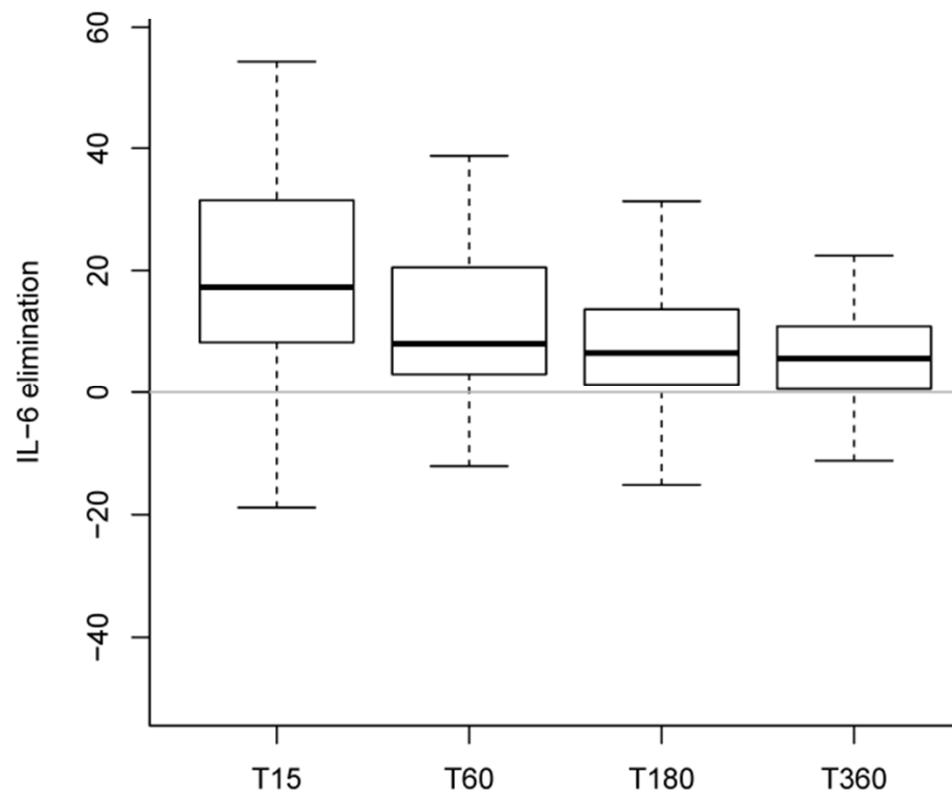


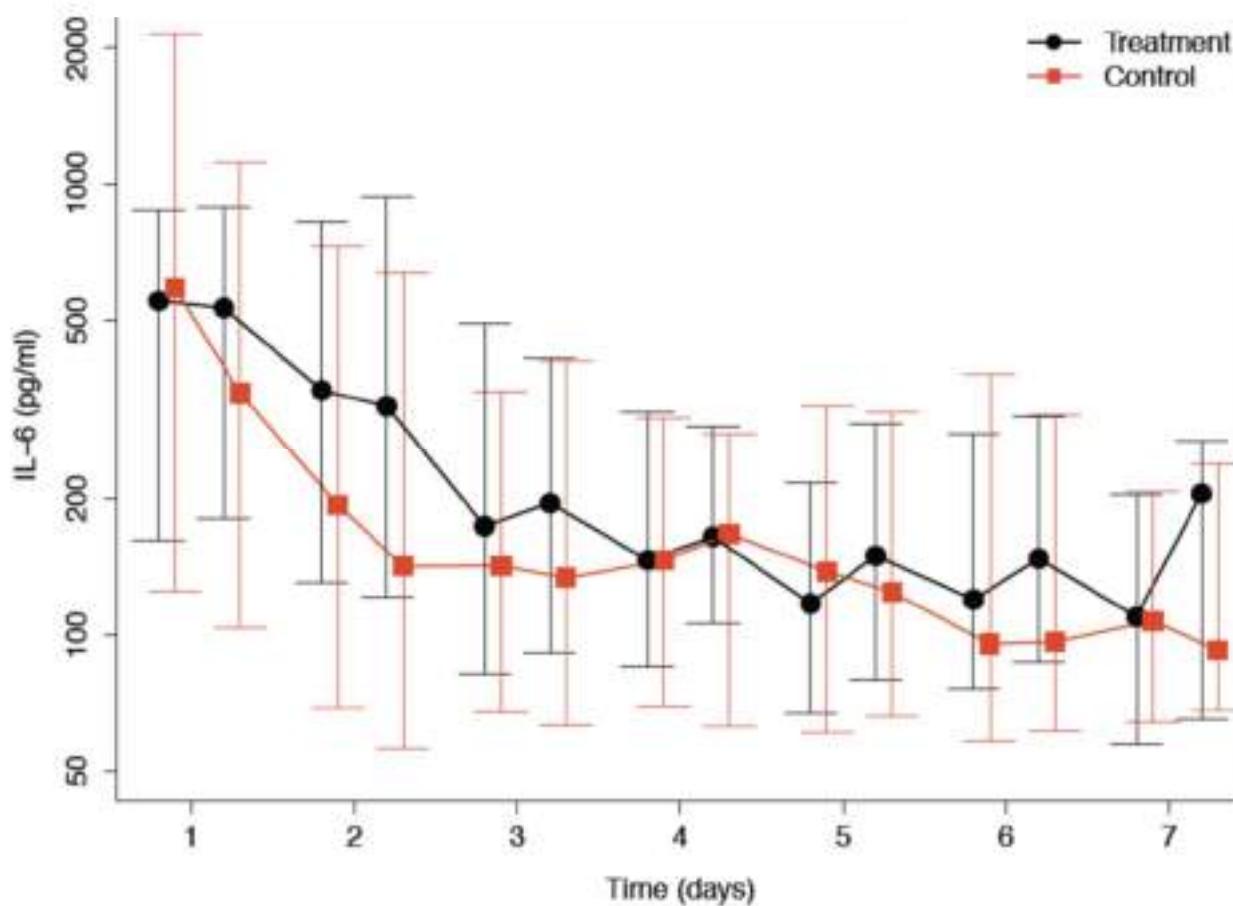


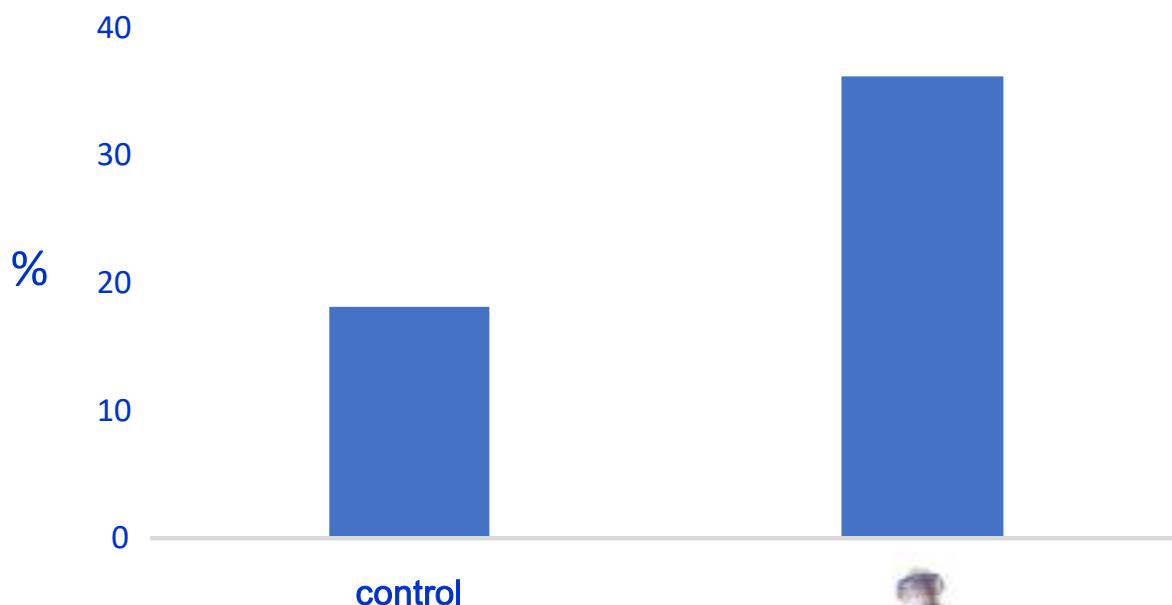








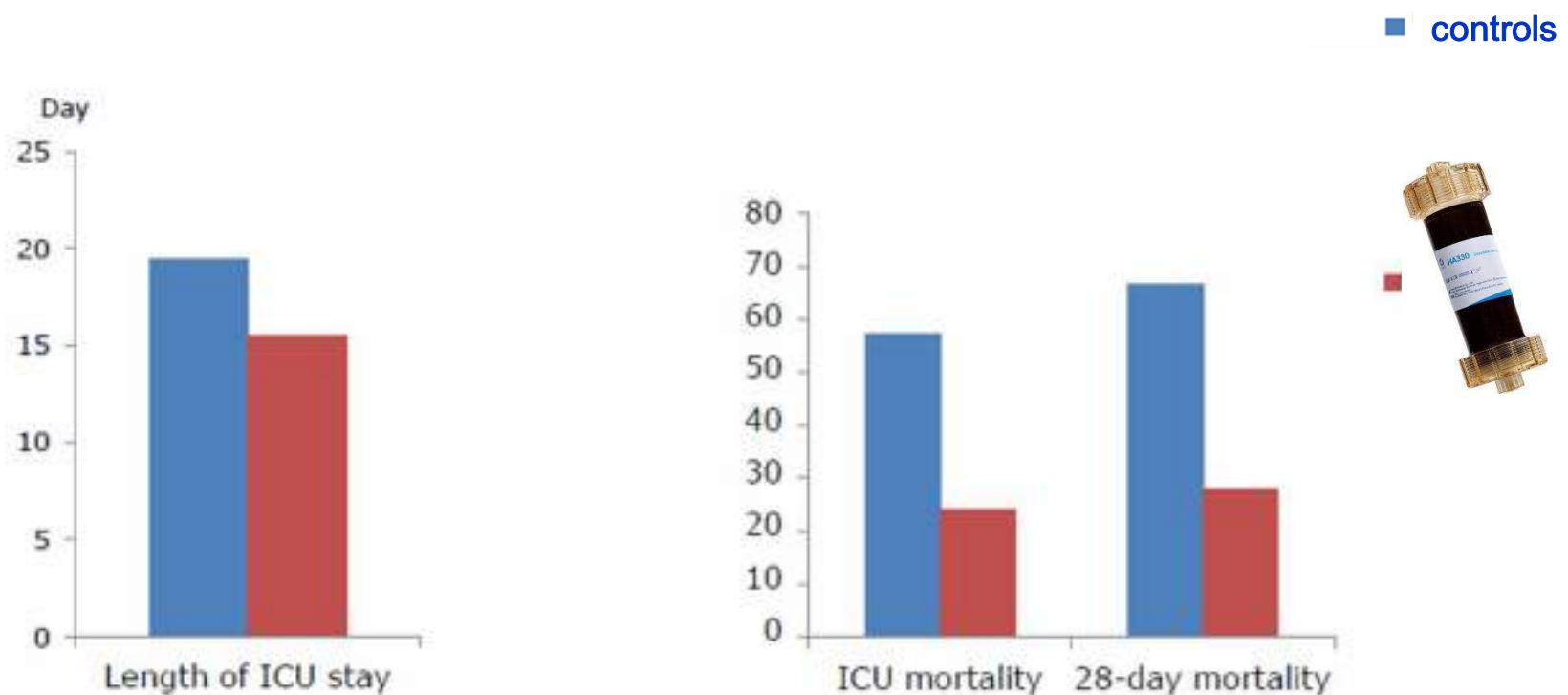


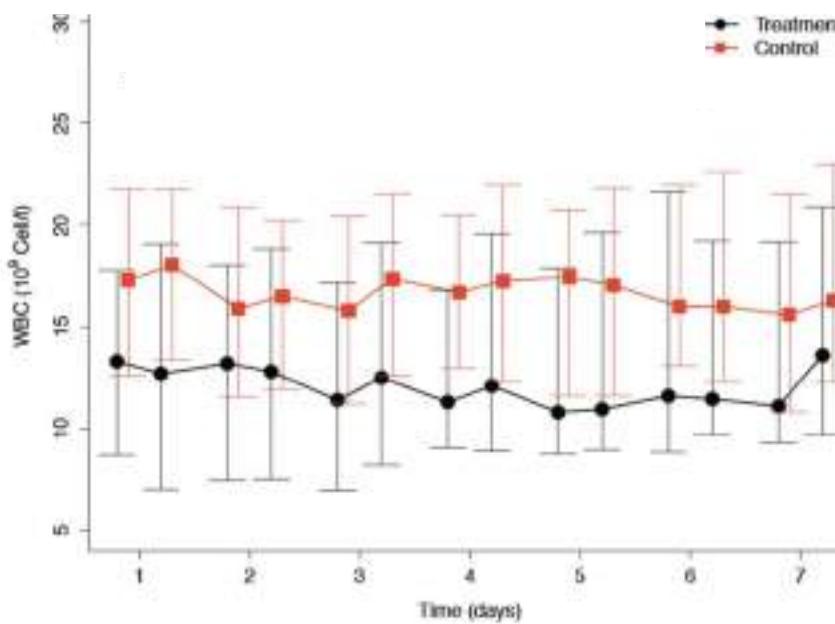
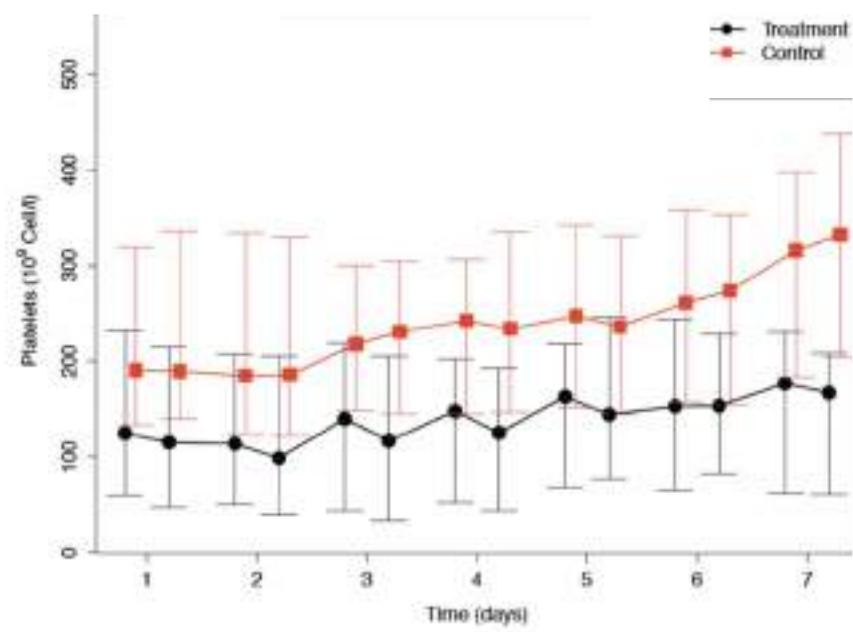


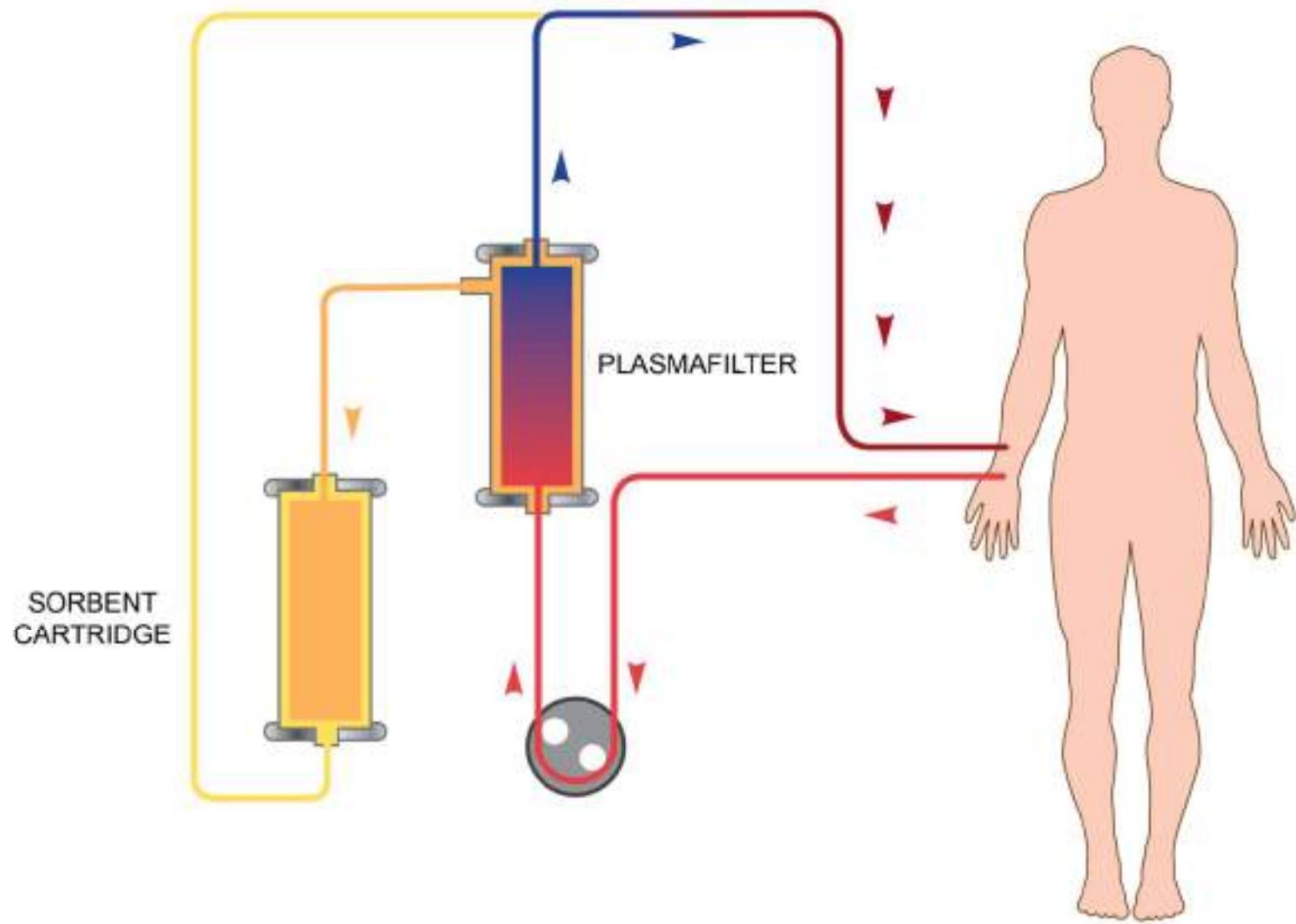


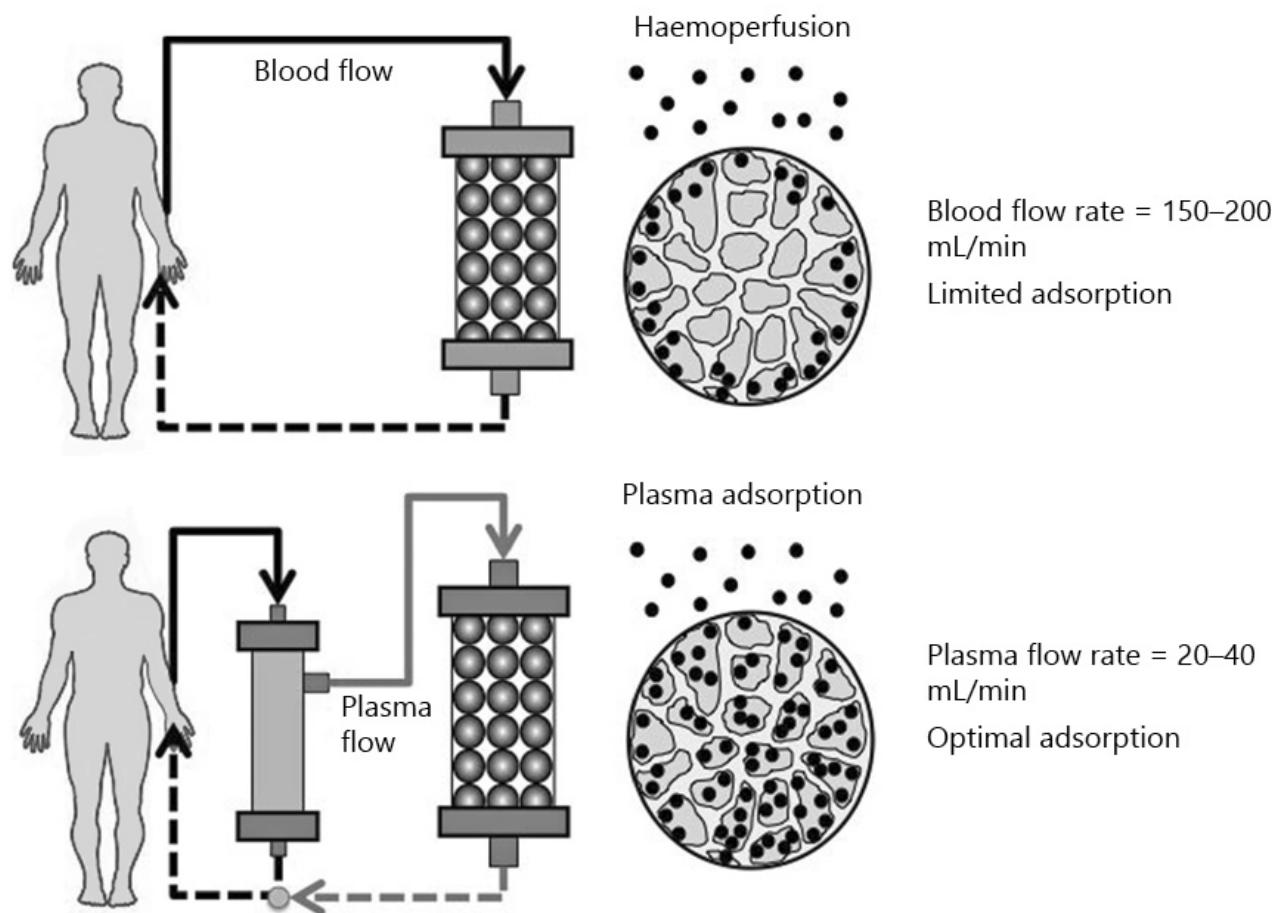


n = 46

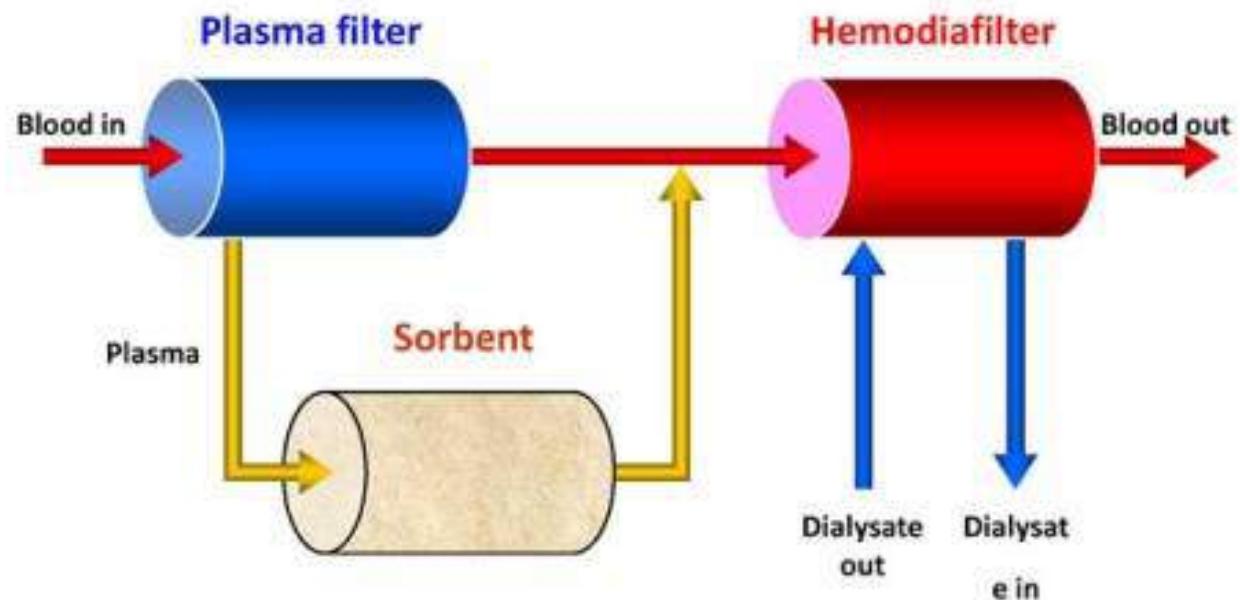






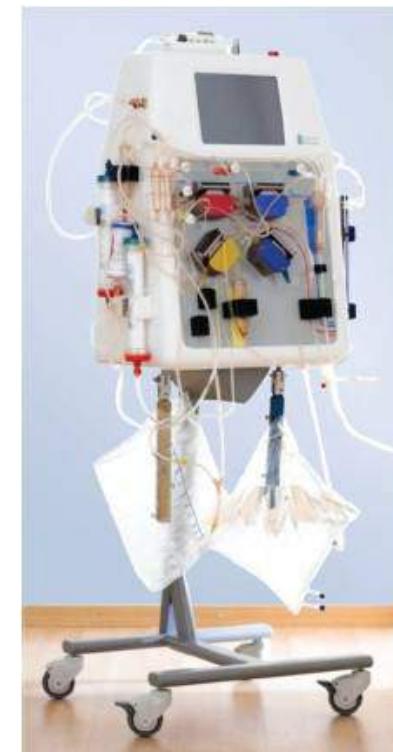
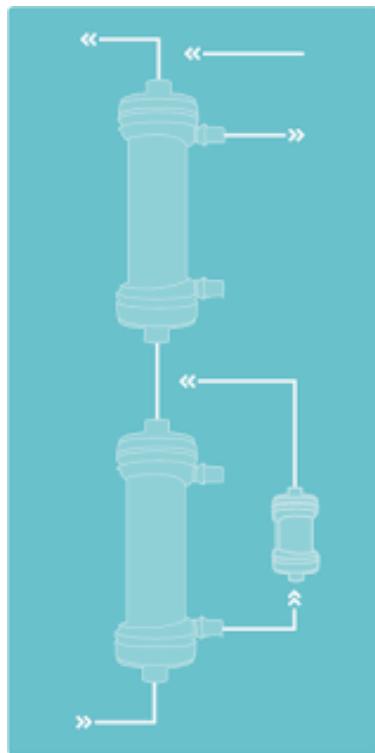


Couple Plasma Filtration Adsorption (CPFA)



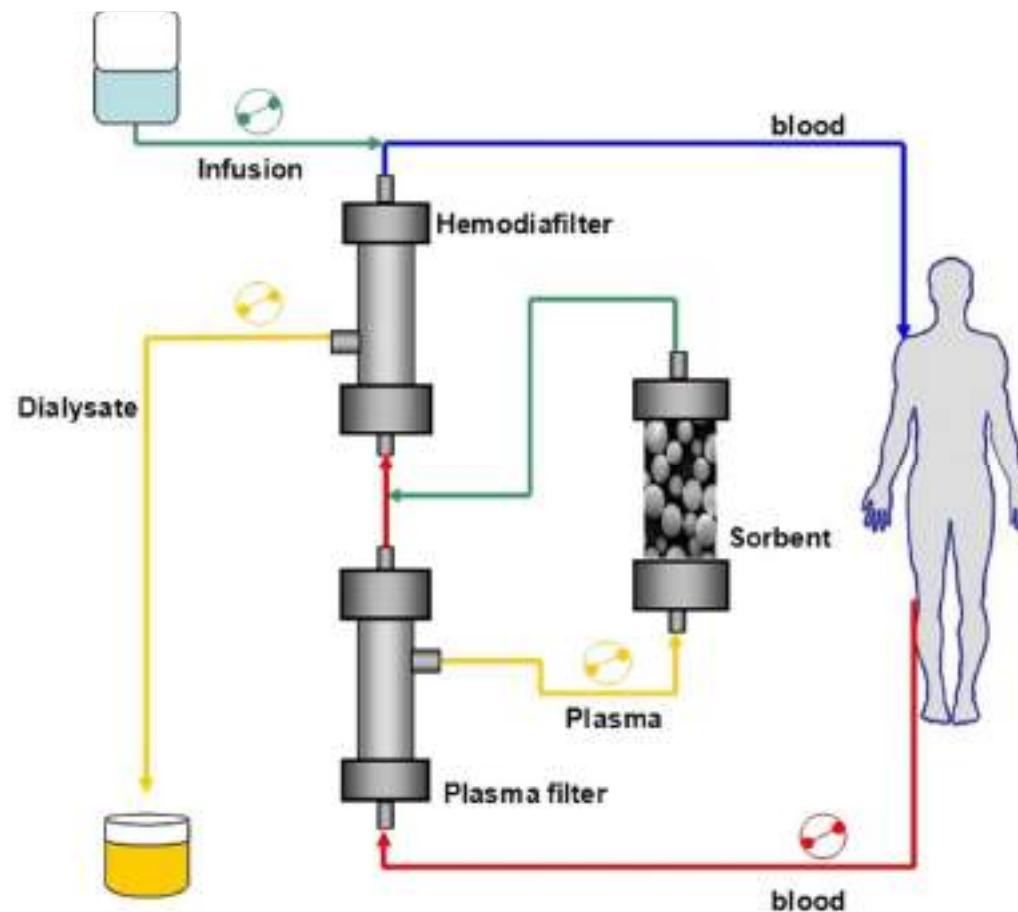
CPTA

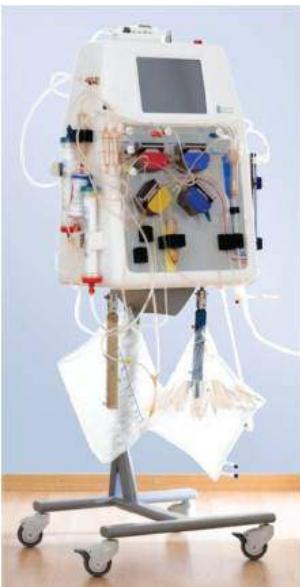
(COUPLED PLASMA FILTRATION ADSORPTION)



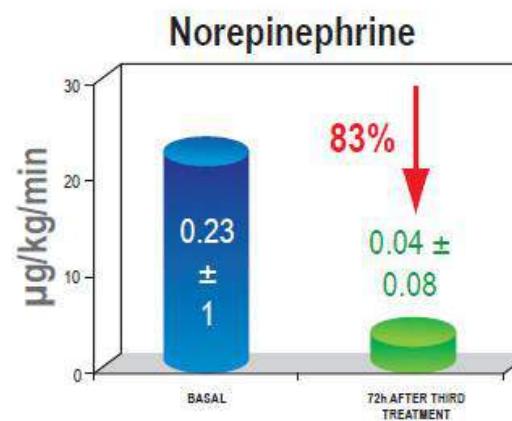
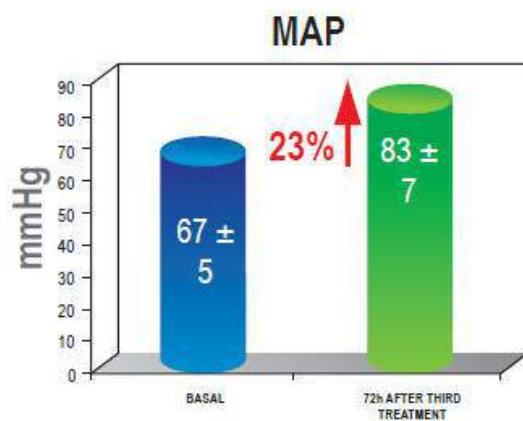
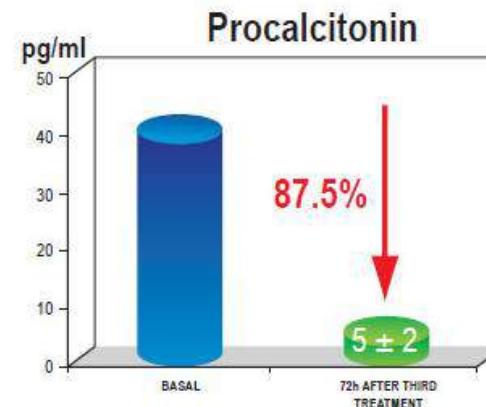
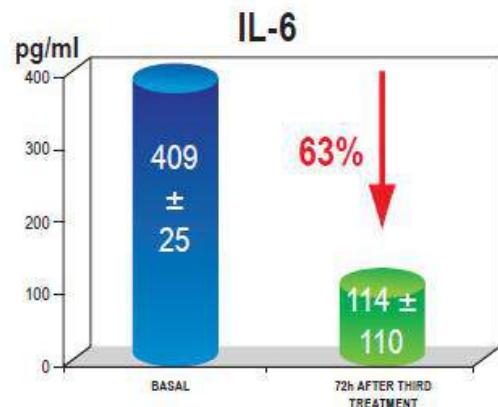
CPTA

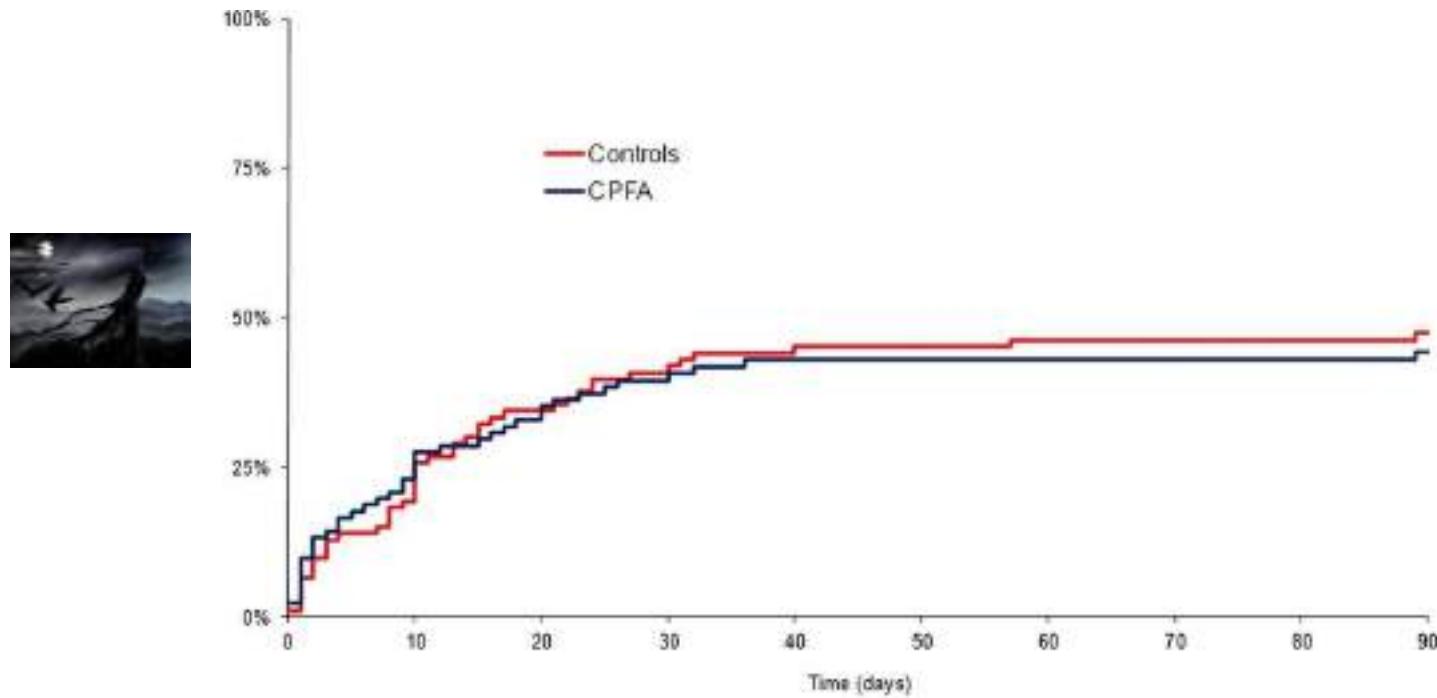
(COUPLED PLASMA FILTRATION ADSORPTION)

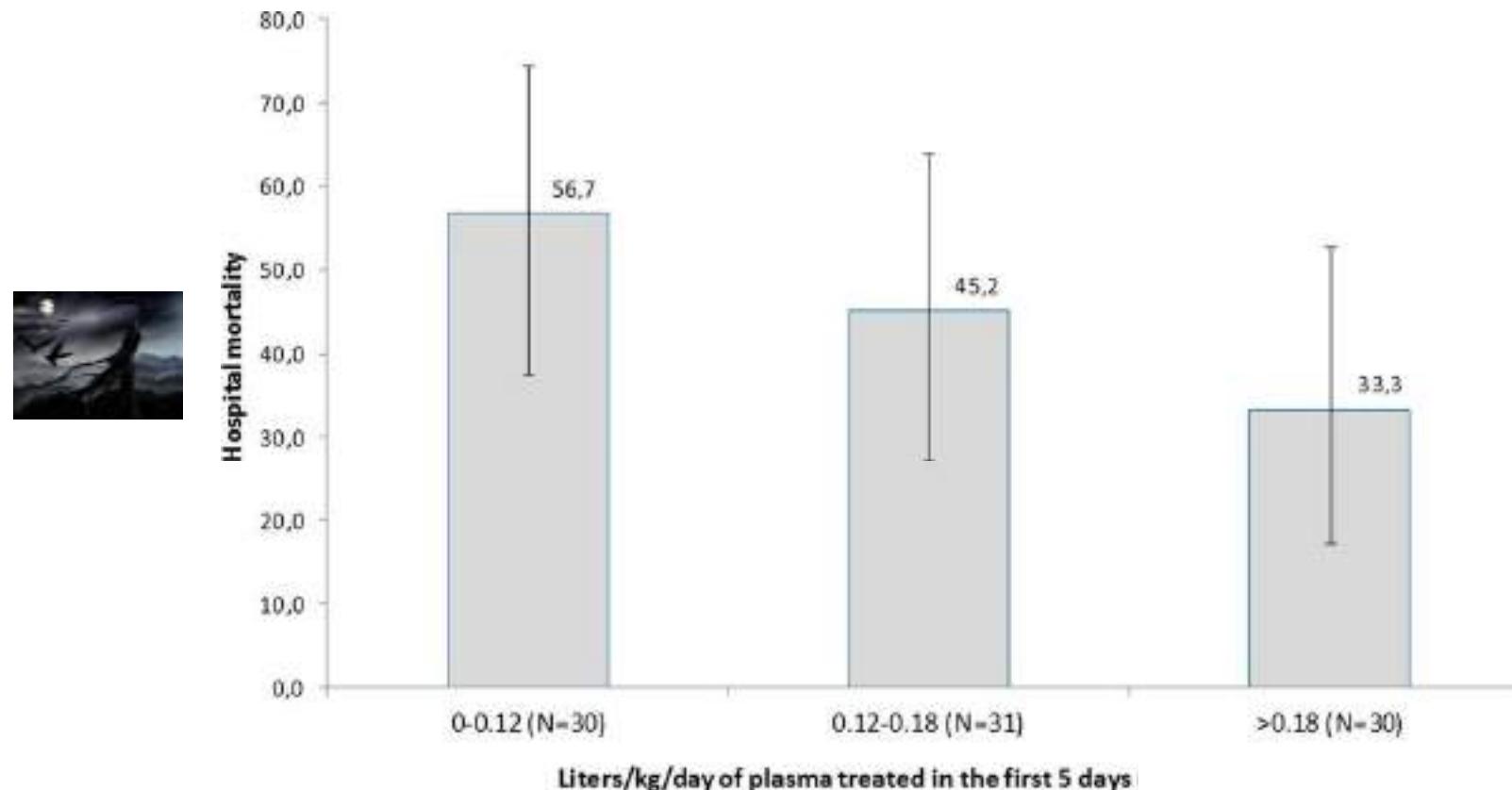




Medtronic
bellco



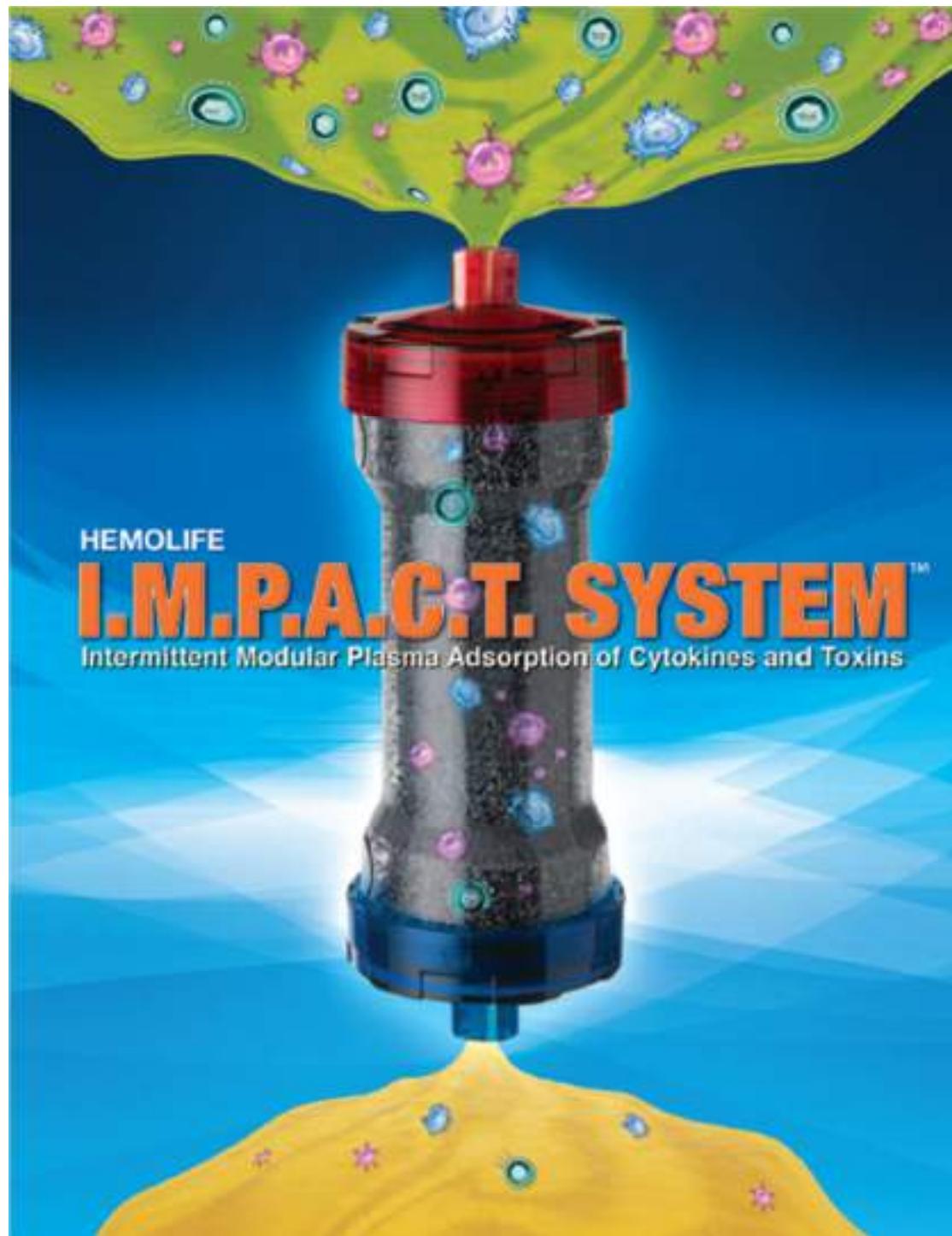




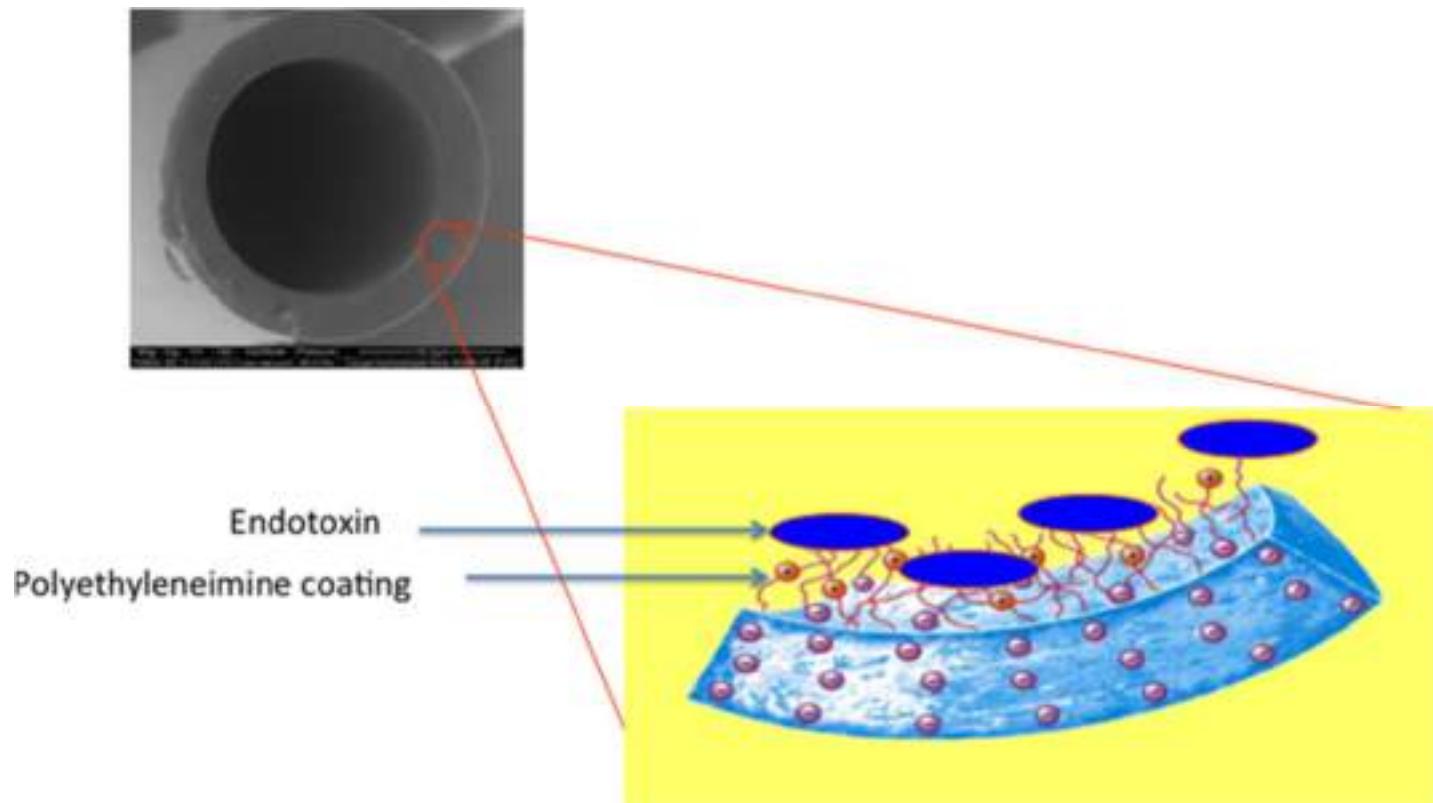


Medtronic
bellco

The Medtronic logo consists of the word "Medtronic" in a dark blue, sans-serif font. Below it, the brand "bellco" is displayed in a bold, blue, lowercase font, with a small blue teardrop graphic to the right of the letter "o".

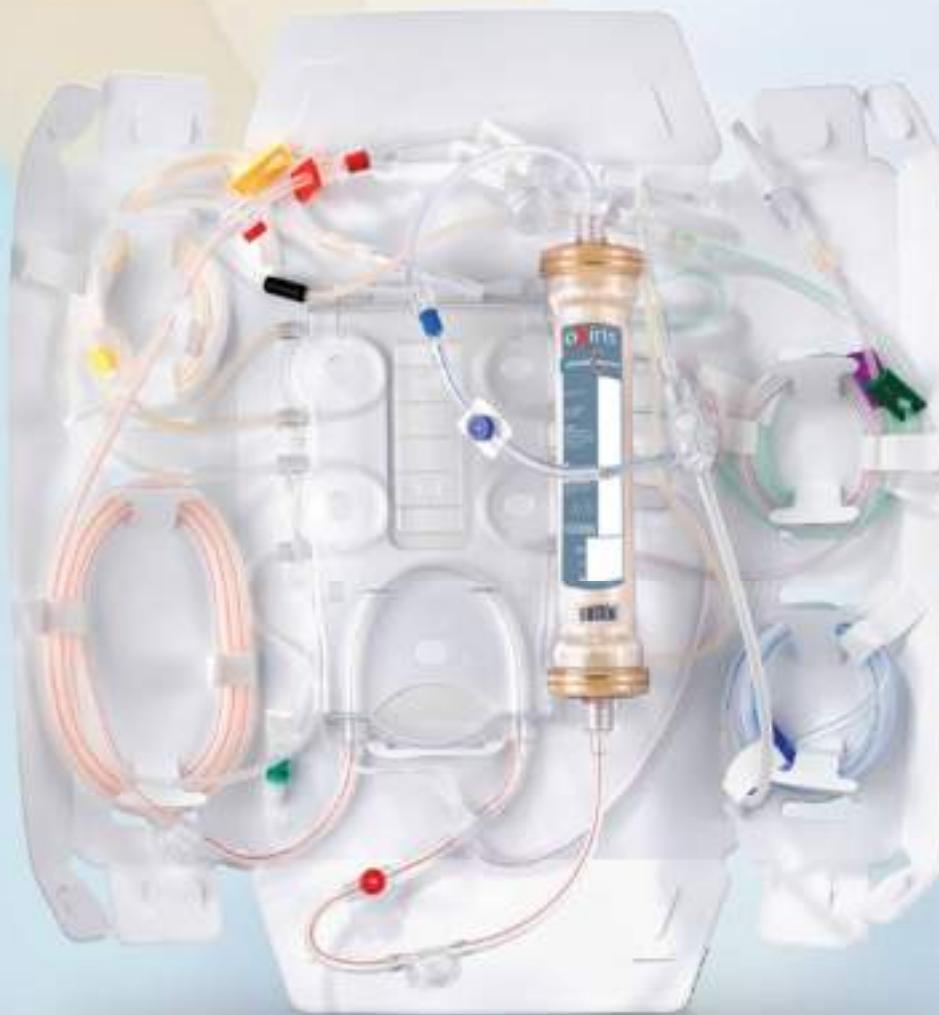


CytoSorb-XL



oXiris set

oXiris set for use with the **Prismaflex** system



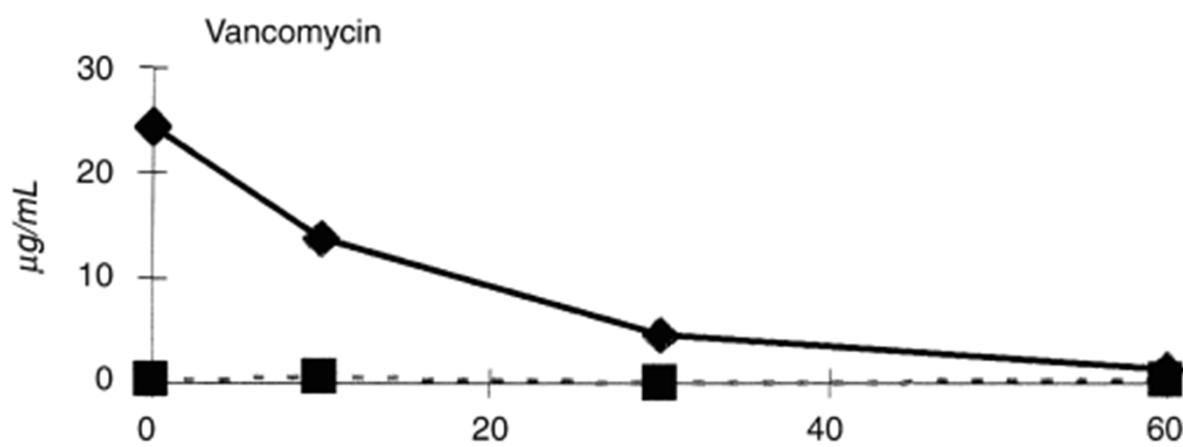




Providing Hope
in a helpless situation



HELPING PATIENTS SURVIVE CRITICAL ILLNESSES WORLDWIDE





VetResQ[®] When Blood Purification is the Best Option
to Treat Deadly Inflammation and Toxic Injury

Sepsis, Septic Shock, Toxic Shock Syndrome • Toxin-Mediated Diseases
Pancreatitis • Trauma • Liver Failure • Lung Injury • Drug Intoxication



VetResQ[®] is a new broad spectrum blood purifier filter designed to help treat deadly inflammation and toxic injury in critical illnesses like severe sepsis and septic shock, toxin-mediated diseases, pancreatitis, trauma, liver failure, drug intoxication, lung injury, and others.

Used in an extracorporeal circuit or via a venous line, it can be used safely in small dogs and cats (under 40 kg), horses, and other animals. It can also be used in humans. It is a non-selective adsorbent that effectively removes endotoxins and other toxins that rapidly contribute to circulating sepsis, shock, and death.

- Endotoxins (Gram-negative bacteria)
- Histamine (e.g., histamine release syndrome, nasal responses like allergic rhinitis)
- Vasoactive amines (histamine, serotonin, catecholamines)
- Hypoxanthine (liver failure)
- Hypoxanthine (liver failure)
- Acute and chronic renal tubular damage (kidneys)
- Lipopolysaccharide (sepsis, shock, septicemia)

VetResQ[®] is a medical device and available for veterinary use in the United States by Vimedix International, Inc., 800-380-0330. For U.S. distribution of use, sale, lease, rental and rental of consumable use, Vimedix is authorized by the U.S. Food and Drug Administration (FDA) under device classification 510(k).

For more information, please contact Vimedix
info@vetresq.com or 877-999-9953 or visit www.vetresq.com
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That's all Folks!