

Critical Disease

HA330 Disposable Hemoperfusion Cartridge (For severe and critical disease in ICU)

HA330 — Unique Efficacy for Critical Disease

HA330 effectively and specifically removes **inflammatory mediators**, regulates the **body immunity** and performs unique efficacy in treating critical disease.

- Clear inflammatory mediators such as IL-6, TNF- α , CRP, etc.
- Improve hemodynamics and injured organ function, reducing the mortality rate.

Application Recommendation

Sepsis

Severe acute pancreatitis

Systemic inflammatory response syndrome (SIRS)

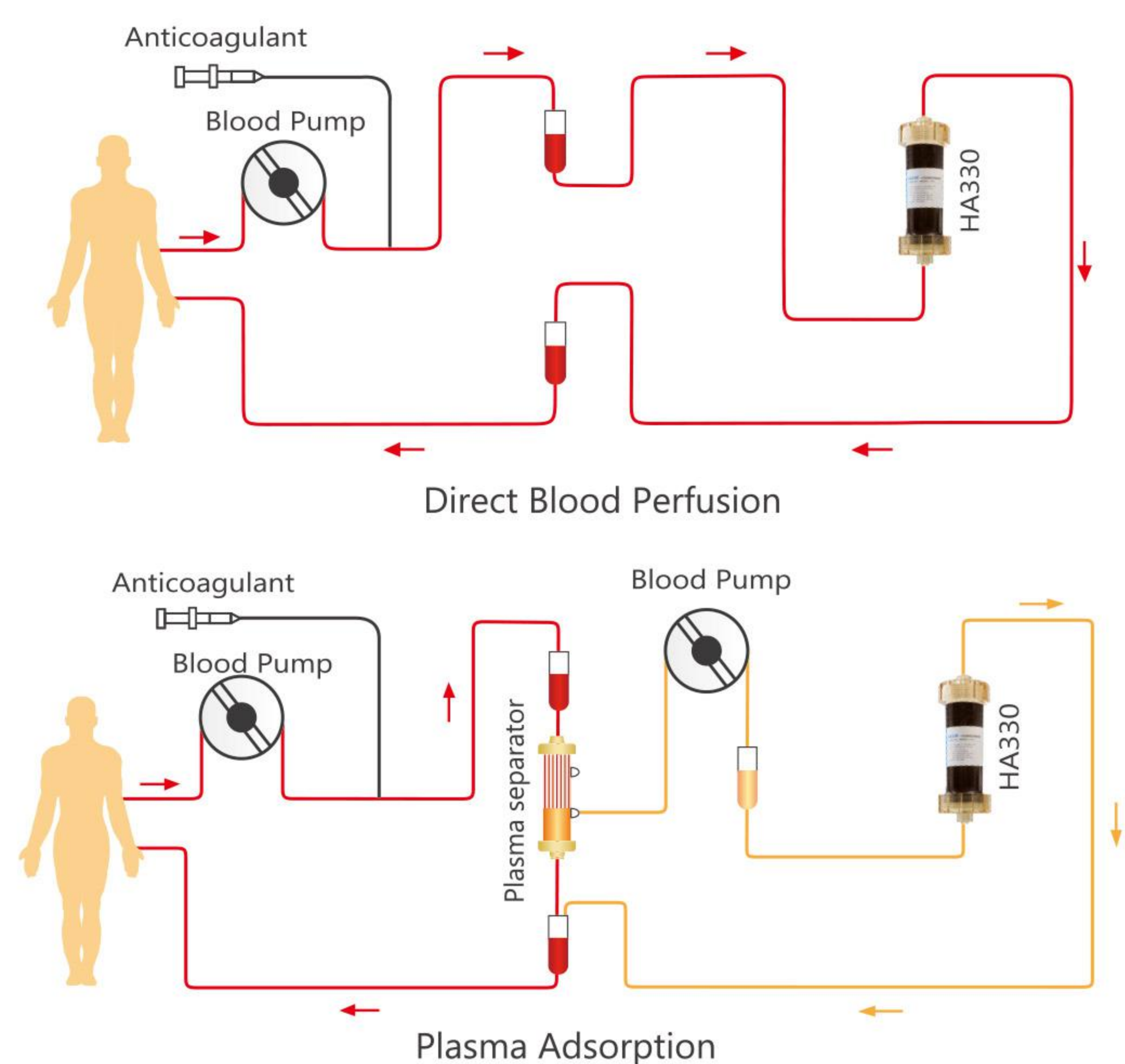
Multiple organ dysfunction syndrome (MODS)

Others

Flexible Combination with Any Other Blood Purification Therapies

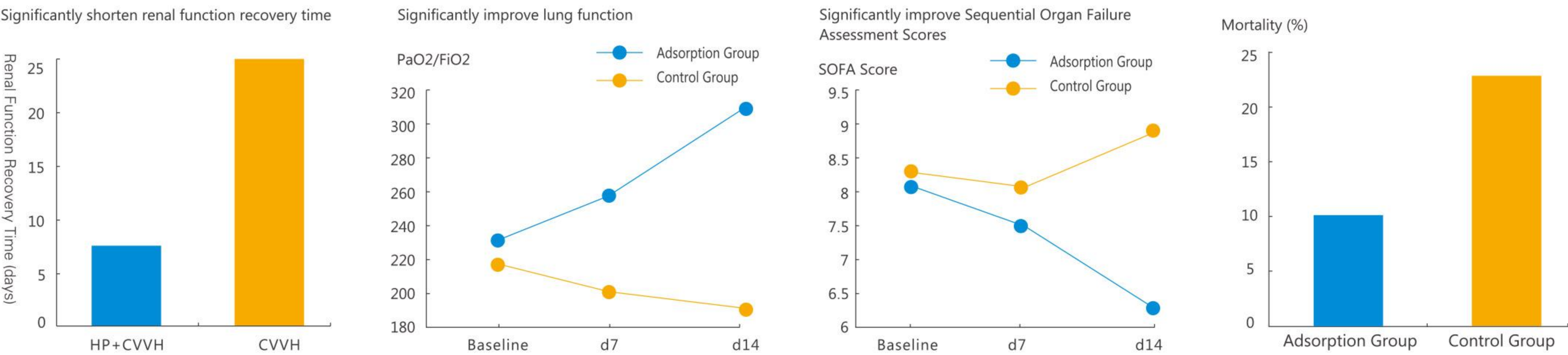
- HP+CVVH, CPFA, PFAD, HP+HVHF, etc
- Convenient connection on blood purification devices

Safety Assurance & Simple Operation

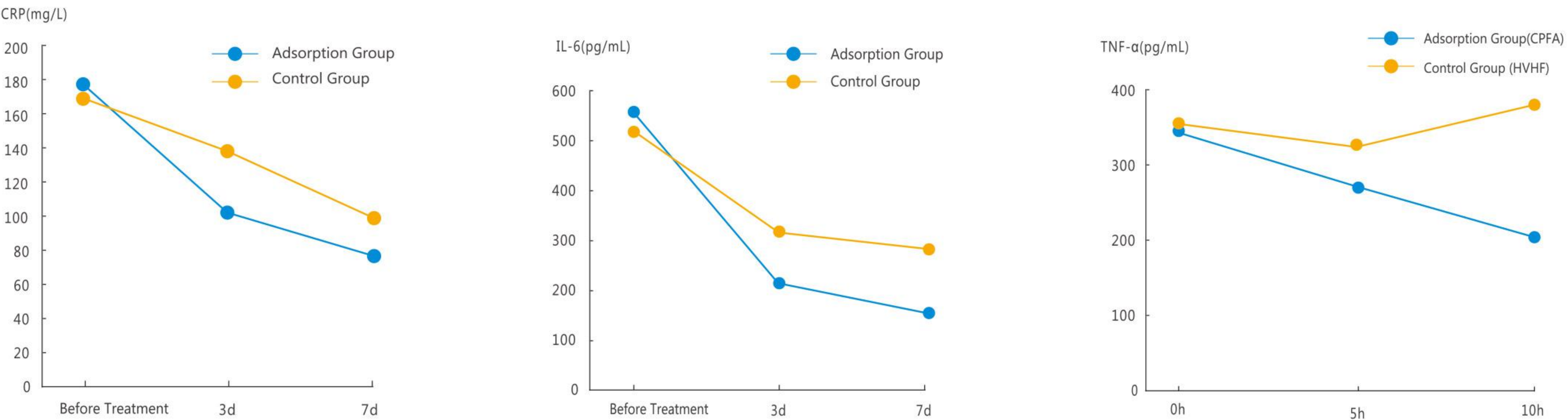


HA330 Provides Better Therapy for Critical Disease.

- HA330 can promote the recovery of organ function^[1-2], reduce severe acute pancreatitis (SAP) mortality and improve critical diseases scores.^[3-4]



- HA330 can effectively clear excessive inflammatory mediators.^[5-6]



References:

[1] Zhao Huangsi, Rong Wang, Wei Su, et al. Removal of humoral mediators and the effect on the survival of septic patients by hemoperfusion with neutral microporous resin column [J]. Therapeutic Apheresis and Dialysis, 2010, 14(6): 596-602.

[2] Tang Yi, Zhang Ling, Yang Yingying, et al. Hemoperfusion plus continuous veno-venous hemofiltration for patients with sepsis and acute kidney injury [J]. Medical Journal of West China, 2012, 24(2): 233-235, 238.

[3] Mo Yanbo, Yuan Qiang, Li Xin, et al. Effects of hemoperfusion on partial inflammatory cytokines in severe acute pancreatitis patients [J]. Journal of Internal Intensive Medicine, 2012, 18(3): 163-164.

[4] Yang Xiaobo. Clinical therapeutic effect of hemoperfusion combined with hemofiltration in patients with severe acute pancreatitis [J]. Chinese Journal of Integrated Traditional and Western Medicine in Intensive and Critical Care 2011, 18(1): 35-36.

[5] Huang Zhao, Wang Sirong, Liu Jiyun. Removal of inflammatory cytokines by hemoperfusion for protecting the kidney from acute injury in patients with sepsis [J]. Chinese Journal of Emergency Medicine 2011, 20(1): 60-64.

[6] Mao Huijuan, Yu Shu, Zhang Bo, et al. Effects of coupled plasma filtration adsorption on serum cytokines in patients with multiple organ dysfunction syndromes [J]. Chinese Journal of Blood Purification, 2009 (8)2: 70-75.