



Current Trends in Hemoadsorption Therapy

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Message from the Guest Editor

Dear Colleagues,

Extracorporeal blood purification techniques can be safely and easily integrated in various extracorporeal circuits (heart–lung machine, ECMO or dialysis) and were capable of removing low-molecular-weight substances from blood by adsorption. Hemoadsorption is currently being applied in various indications in cardiac surgery, nephrology, intensive-care medicine, anesthesiology, transplantation or gastroenterology. Hemoadsorption has the ability to modulate the immune response by attenuating the so-called “cytokine storm” and therefore has significant potential in the treatment of COVID-19 patients.

Moreover, hemoadsorption can be effectively used in treating severe sepsis, hyperbilirubinemia, endocarditis or high-risk cardiac surgery patients. Additionally, in drug removal, mainly antithrombotic drugs, such as Ticagrelor or NOACs, hemoadsorption will be the future game-changer.

Therefore, the present Special Issue aims to provide the readers with an update of the current use of hemoadsorption technologies in various fields of clinical medicine.





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