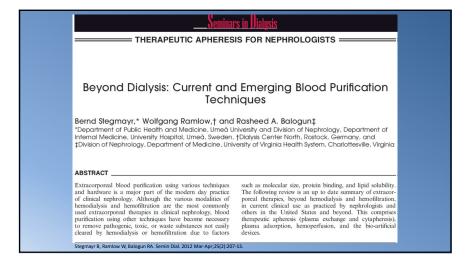
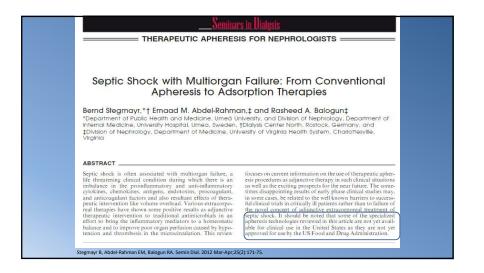
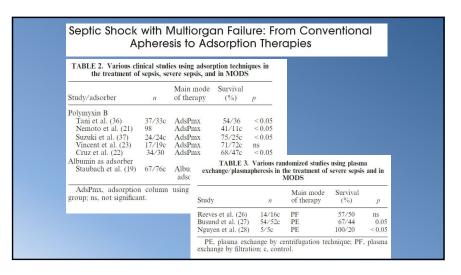


Technique	Aim	Principle	Reported Results
High-volume hemofiltration (HVHF)	Nonselective removal of inflammatory mediators	Convection	Reduces vasopressor requirements, reduces concentrations of inflammatory mediators in blood, an observed mortality lower than predicted mortality
High cutoff membranes (HCOM)	Nonselective removal of inflammatory mediators	Convection	Reduces vasopressor requirements, high clearance of inflammatory mediators moderates leukocyte proliferation, normalizes PMN phagocytosis
Polymyxin-B column (PMX-F)	Selective removal of endotoxin	Adsorption	Reduces vasopressor requirement, increases blood pressure, ameliorates organ dysfunction, reduces short-term mortality
Coupled plasma filtration adsorption (CPFA)	Nonselective removal of inflammatory mediators	Plasma adsorption	Reduces concentrations of inflammatory mediators in blood, restores leukocyte responsiveness
Cytokine adsorbing columns	Nonselective removal of inflammatory mediators	Plasma adsorption	Reduces cytokine levels, improvement in respiratory parameters
Renal assist device (RAD)	Substitute the filtration, transport, metabolic, endocrine and immunologic functions of the kidney	Cell-based therapy	Ameliorates the cytokine profile, improves calcium, phosphate, urea, and creatinine levels
Extracorporeal immune support system (EISS)	Attenuation of excessive antiinflammatory response	Cell-based therapy	Reduces vasopressor requirement, reduces concentrations of endotoxic and inflammatory markers (eg CRP, procalctonin) in blood
Leukocyte inhibition module (LIM)	Attenuation of excessive proinflammatory response	Antibody-based therapy	No studies in sepsis





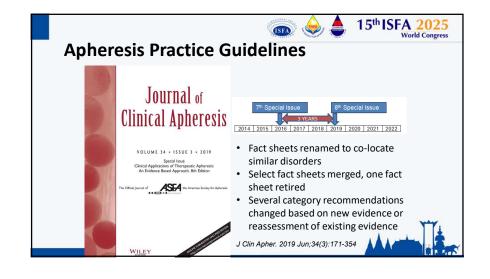


Septic Shock with Multiorgan Failure: From Conventional Apheresis to Adsorption Therapies

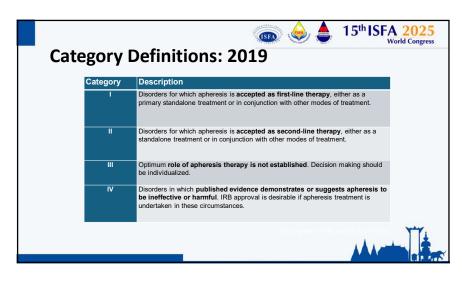
HD is necessary severe MOD, including AKI to survive.... uremic solutes, cytokines, chemokines, superantigens, modulators of apoptosis, endotoxins, drugs, and fluid overload.

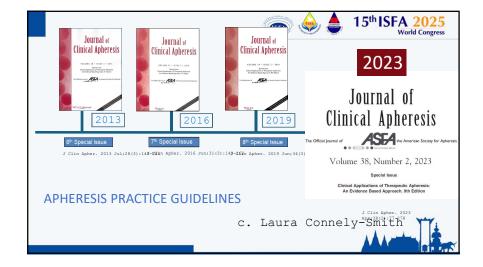
..... prognosis is poor in severe cases. In the future.... additional approach may be the use of apheresis procedures (centrifugation, filtration or adsorption).

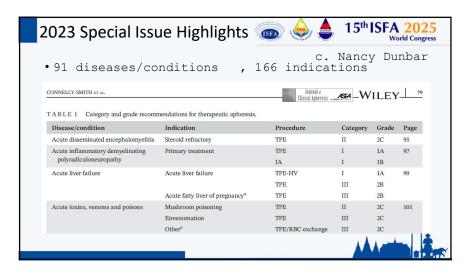
Stegmyr, Abdel-Rahman and Balogun

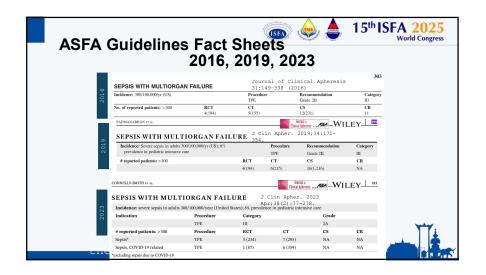


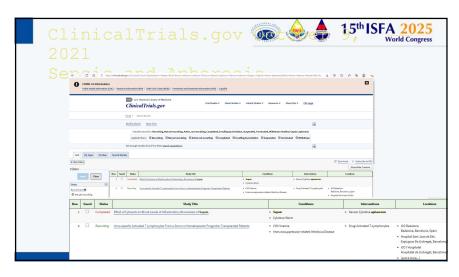












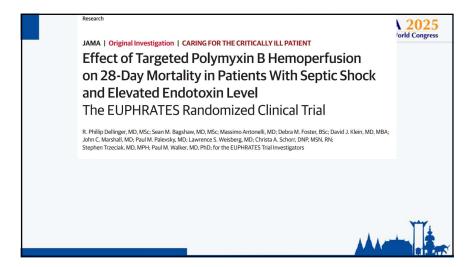


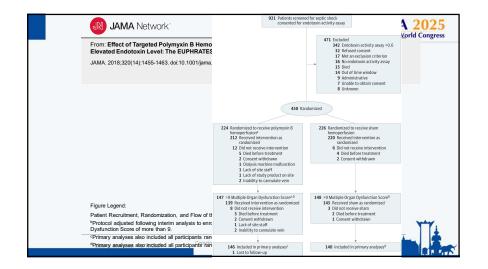


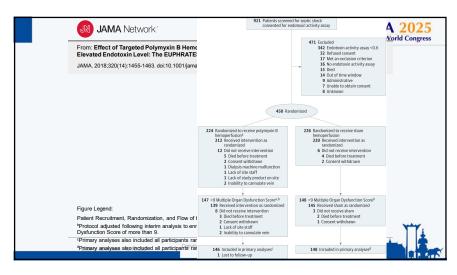


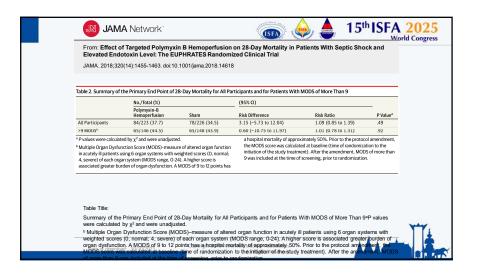


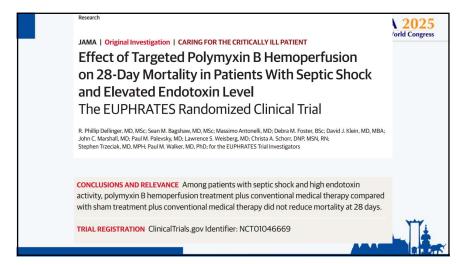


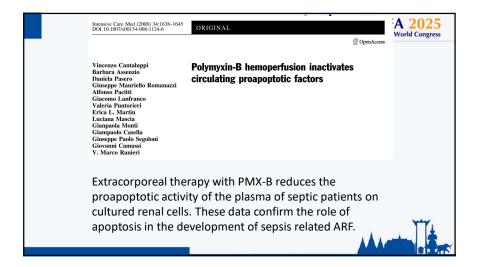


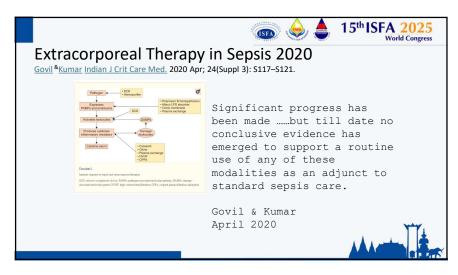


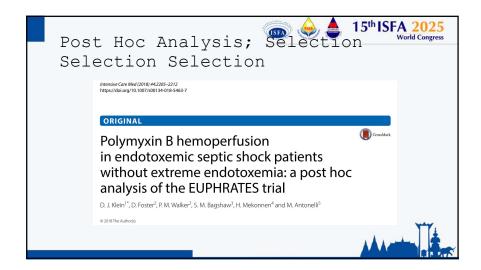














Post Hoc Analysis; Selection Selection Selection Illness Severity







