



# Successfully treated necrotizing fasciitis using extracorporeal life support combined with hemoadsorption device and continuous renal replacement therapy

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Résumé en anglais	<p><b>INTRODUCTION:</b> Necrotizing fasciitis represents a life-threatening infectious condition that causes spreading necrotisis of superficial fascia and subcutaneous cellular tissues. We describe the case of a patient diagnosed with septic and toxic shocks leading to multiple organ failure successfully treated with a combination of extracorporeal life support, continuous renal replacement therapy, and a hemoadsorption device.</p> <p><b>METHODS:</b> A 41-year-old patient presented with necrotizing fasciitis and multi-organ failure. Initial extracorporeal life support therapy was implanted, compensating for systolic failure. Due to acute renal failure that persisted in time, continuous renal replacement therapy was added. Despite these treatments and as a last attempt to control the septic condition, a CytoSorb hemoadsorption device was installed in parallel to the extracorporeal life support circuit and two sessions were run.</p> <p><b>RESULTS:</b> During the days following CytoSorb treatment, hemodynamic stabilization was observed, as well as normalization of lactic acidosis and blood parameters.</p> <p><b>CONCLUSION:</b> This case describes the successful use of CytoSorb with continuous renal replacement therapy and extracorporeal life support in a combined way to overcome a critical phase of septic shock in a young adult patient. This combination of treatments turned out to be efficient for this patient in the context of necrotizing fasciitis.</p>

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