

Special Issue

Controversial Issues in Intensive Care-Related Burn Injuries

Message from the Guest Editor

Critically ill burn patients face unique challenges, including resuscitation, metabolic stress, and complications. Despite various interventions, significant treatment gaps remain. Burn injuries lead to organ failure through multifactorial pathophysiology. Promising approaches include hemadsorption therapies and enhancing mitochondrial efficiency; Fluid resuscitation regimens lack consensus, especially regarding colloids like albumin. Research into mapping and manipulating the gut microbiome is expanding; Advancements in biomaterials and tissue engineering have improved burn care, but an ideal skin-mimicking biomaterial remains elusive. Bioactive dressings and skin substitutes that support wound functionality and accelerate healing show promise. This Special Issue invites studies with innovative methodologies addressing research gaps and clinical evidence limitations. We aim to highlight papers focusing on unique aspects of burn care that contribute to improving patient outcomes. Topics are not limited to the examples provided.

Guest Editor

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