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Epidermal and Dermal Skin Substitutes in Burn Care

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Deadline for manuscript submissions:
closed (1 November 2023)

Message from the Guest Editors

Advancements and new technologies in a variety of fields, from engineering to 3D printing, have allowed for the development of novel biomedical templates that can serve as temporary or permanent skin substitutes. The improved replacement of skin not only allows for improved functional outcomes but also significantly impacts the aesthetics and psychological outcomes of burn patients. Since the skin is the largest and most affected organ in burns, continuous research on “restitutio ad integrum” and its translation into the clinic is vital to improve outcomes for patients.

Our goal is to assemble an overview of what is currently already possible in the clinic and what will be possible in the future. We welcome submissions related to all matters of skin substitutes, be they biological, alloplastic, xenoplastic, autologous, cultivated, 3D-printed, epidermal, dermal or combined, the integration or replacement of dermal appendages, and innovations in treatment as well as cutting edge technology in burn patients. Experimental and research articles, up-to-date reviews, and commentaries are all welcome.