

Special Issue

Experimental and Clinical Advances in Skin Grafting

Message from the Guest Editor

Skin grafting is one of the oldest and most effective ways to treat soft-tissue defects.

In clinical practice, different external factors may lead to surface soft tissue loss, from oncologic resections to surgical debridements due to infection or burn.

Even if skin grafting needs a healthy vascularised bed to guarantee its take, in the last few years we have observed a constant improvement in skin repair and regeneration techniques.

Dermal substitutes represent a strong novelty, able to improve the wound-healing process, decreasing scarring and allowing skin grafting on previously “off-limits” structures, with an increased use even in complex lower limb trauma.

Burn surgery has been revolutionised by tissue engineering innovations, using cell therapy to improve skin graft take or even avoiding its use.

Clinical and preclinical research have also seen the raise of xenografts. Animal-derived skin is finding new indications, from chronic ulcers to burns.

This Special Issue aims to highlight both basic science and clinical advancements in one of the most common, but at the same absolutely critical, procedures in plastic surgery, that is, skin grafting.

Guest Editor

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