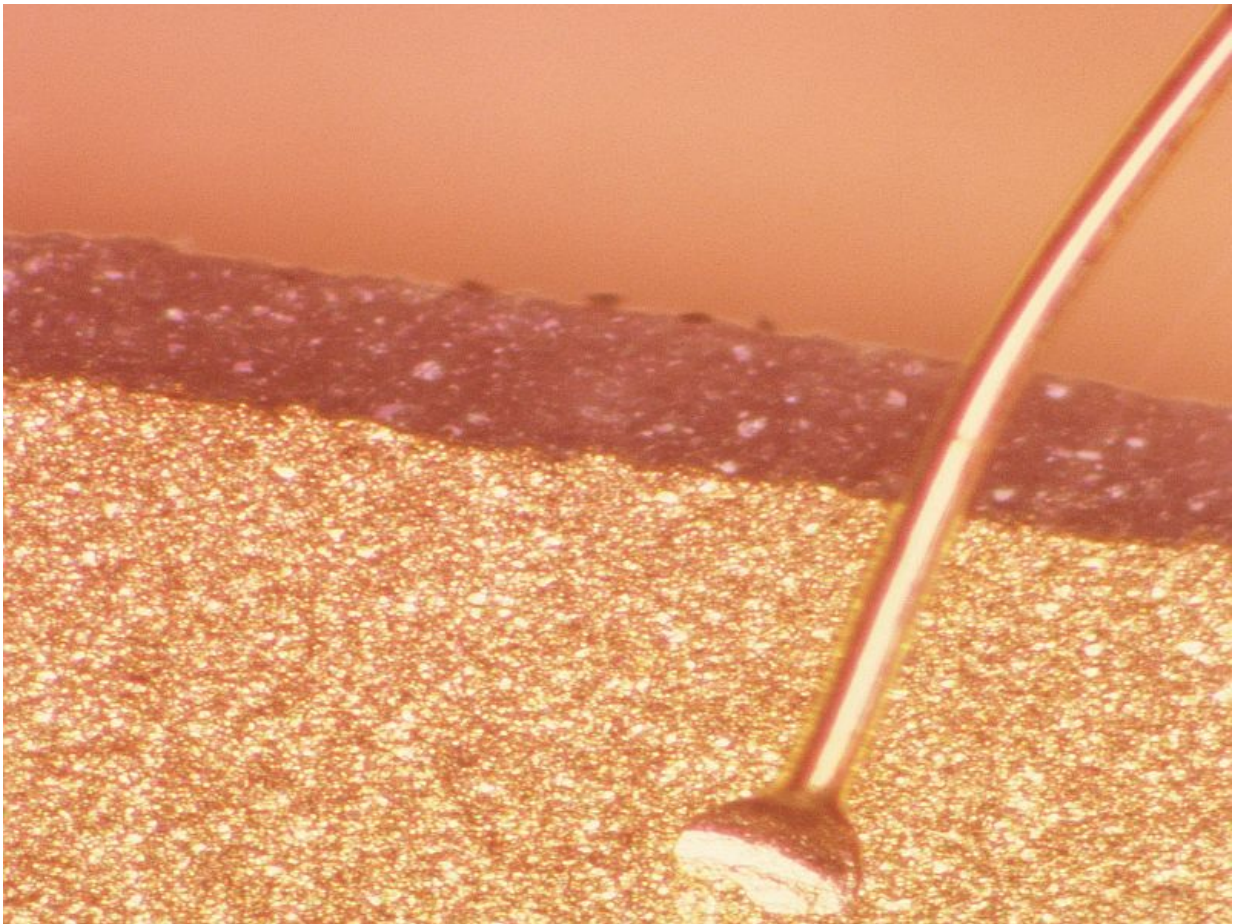


## Dermal autologous micrograft may be effective scar treatment

February 12 2016

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(HealthDay)—Treatment of exaggerated scars with dermal autologous

micrografts appears effective, according to a study published online Jan. 30 in the *Journal of Cosmetic Dermatology*.

Fabiano Svolacchia, M.D., from Mavi Sud in Aprilia, Italy, and colleagues assessed the effectiveness of injectable dermal autologous micrografts (known as the Rigenera protocol) in the treatment of pathological scars resulting from burns, trauma, or any iatrogenic source.

The researchers observed a significant improvement in appearance and texture of the exaggerated scars in all cases following four months of autologous micrograft treatment. The micrografts are composed of [mesenchymal stem cells](#) (MSCs). Histological evaluation verified restoration of the structural layers immediately below the epidermis and a horizontal realignment of collagen fibers in the papillary dermis.

"In conclusion, although the number of reported cases is limited, we reveal the efficacy of Rigenera protocol in the management of exaggerated scars, encouraging a new therapeutic approach based on the considerable regenerative potential of the human MSCs," the authors write. "However, further studies and cases are needed to confirm this potential."

**More information:** [Abstract](#)  
[Full Text \(subscription or payment may be required\)](#)

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