



DERMATOLOGICAL SURGERY

NANOFAT GRAFTING FOR SCAR REPAIR AND SKIN REJUVENATION

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Background: Nanofat grafting is an evolving concept of fat grafting featuring more enriched stromal vascular fraction (SVF) for tissue repair and skin rejuvenation. Nanofat is prepared from emulsification and filtering of the lipoaspirate. It yields clinical improvement in skin conditions requiring tissue repair and rejuvenation. We reviewed the cases in our clinic receiving nanofat grafting with or without structural fat grafting.

Observation: From May 2017 to September 2018, we recruited cases with traumatic scars on the face (1 case), depressed acne scars with severe fibrosis (1 case), and superficial rhytids with fat atrophy on the face (8 cases). The cases underwent nanofat grafting alone or combined with structural fat grafting. Treatment sessions ranged from 1 to 3. Three physicians evaluated the standardized pre- and posttreatment photographs. Posttreatment evaluations showed clinical improvement in softening of scars, less depressed scars, decreased superficial rhytids, and improved skin quality.

Key message: Nanofat grafting in conjunction with structural fat grafting can be one treatment option in scar repair and skin rejuvenation. Repeated treatment sessions may be needed depending on the severity of skin conditions.

