

The science of stem cell advancement in cosmetic and plastic procedural treatments

An expensive problem:

- The treatment of wounds and associated complications exceeds \$20 billion annually in the US²
- Chronic and nonhealing wounds are costly because they require repetitive treatments; for example, a diabetic foot ulcer typically costs \$50,000 to treat.³
- Chronic wounds affect 1% of the population at any given time⁴

Old technologies unsuccessful:

- Current technologies remain partially effective in their ability to restore other skin structures, for example the dermis, which is critical to the overall long-term appearance and function of the skin.

Cell-based options are the answer:

- For Scars

- Transplanted hMSCs significantly inhibited scar formation and increased the tensile strength of the wounds¹
- Adipose tissue-derived stromal cells inhibit contraction in scar-derived fibroblasts, in a paracrine fashion⁵

- For Burns & Wound Healing:

- Adipose-derived stromal cells accelerate wound healing⁶

- For Skin Rejuvenation:

- Autologous Stem cells treatment may have a useful therapeutic effect for salvaging photodamaged skin⁷
- Adipose Stem Cells produce many useful growth factors, increase collagen production in animal study, and reverse skin aging⁸

Mystem[®] kits allow the physician to collect ARFs (Autologous Regenerative Fraction) rich in Autologous Stem Cells in fast, sterile and affordable way.



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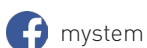
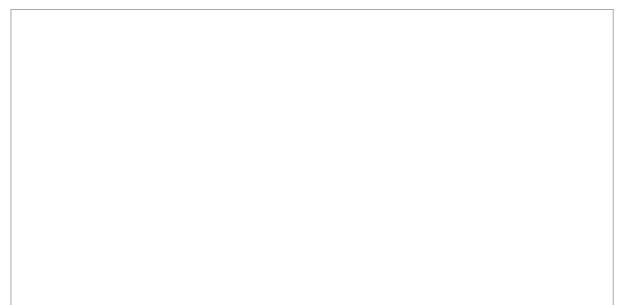
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