

Combined treatment of trophic ulcer of the heel using vacuum therapy with direct gene therapy: Case report

Mullin R., Masgutov R., Salafutdinov I., Rizvanov A., Bogov A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

In this article we describe a clinical case of successful treatment of neurotrophic ulcers of heel region using classical surgical techniques such as debridement and autodermoplastics combined with vacuum therapy and injection of double cassette expression plasmid encoding cDNAs of vascular endothelial growth factor and fibroblast growth factor 2. The outcome of therapy opens new horizons in the treatment of such diseases in short period of time. © Human stem cells institute, 2013.

Keywords

Double cassette expression plasmid, Fgf2, Trophic ulcer of the foot, Vacuum therapy, Vegf