

AMNIOTIC MEMBRANE TRANSPLANTATION INTO LOWER LIMB ULCERS

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Background. There are many applications of the amniotic membrane in regenerative medicine, it serves as a source of stem cells and potent growth factors and like a very biocompatible natural scaffold; also the amniotic membrane serves as an efficacious nanorecipient for medicines delivery, due to its raised entrapment properties.

Materials and methods. Was performed a controlled clinical study, which were involved 10 patients, who suffered from neuropathic foot ulcers, and treated by amniotic membrane transplant. The age of patients was between 18-70 years and suffered from ulceration below the ankle for a month or more.

Results. The main result of this study was to assess the proportion of ulcers, that full closure in 9 weeks in treated with amniotic membrane. Thus, 78% of all patients obtained full closure.

Conclusion. The clinical application of amniotic membranes maintains the anatomical and structural configuraAmniotic membrane transplantation is a common practice in regenerative medicine due to its potential to provide stem cells and potent growth factors. It is also a biocompatible natural scaffold that can be used as an effective nanorecipient for delivering medicine.

Keywords. Neuropathic, amniotic, regenerative, ulcers.