

# **Treatment of chronic wounds with cultivated autologous keratinocytes as suspension in fibrin glue. [German]**

Authors: Bannasch H., Horch R.E., Tanczos E., Stark G.B.

Publication Date: 2000

## **Abstract:**

Cultivated keratinocytes have been used for treatment of chronic wounds. Our group developed a new application form, using a suspension of subconfluent cultivated keratinocytes in fibrin glue (keratinocyte-fibrin-glue-suspension = KFGS), which has successfully been used in burn patients. Altogether 8 patients (average: 57 yrs.) with complex chronic wounds of different origin were treated with KFGS. All wounds, which had been existing from 4 months to 14 years, showed good reepithelization. Up to now there has been observed stable wound closure for 4 years after grafting. This study demonstrates the wound healing potency of a keratinocyte-fibrin-glue-suspension also for chronic wounds. Fibrin glue seems to be both an ideal application vehicle as a biological matrix for the cultivated keratinocytes. The transplantation of cultivated autologous keratinocytes as suspension in fibrin glue is a promising way in the treatment of chronic wounds.