

A Successful Treatment of Neurotrophic Ulcer With Amniotic Membrane Transplantation

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摘要

一旦產生嚴重的神經失養性角膜潰瘍，角膜傷口的癒合將非常緩慢。促進角膜表皮的再生是治療的目標。過去的研究報告顯示，羊膜對於促進角膜表皮的再生非常有效，根據這個特性，我們使用羊膜移植成功地治療了一位患有神經失養性角膜潰瘍的病患。傳統藥物對於這一位病患的治療效果很差，但是在接受羊膜移植手術之後，角膜表皮很快就再生。除此之外，並沒有發現任何副作用產生，如排斥反應，因為只單純移植不含有活細胞的基質，羊膜移植也許可以考慮用來當作治療神經失養性角膜潰瘍的另一種方法，尤其是那些對於傳統藥物治療效果很差的病患，在做結膜瓣或眼瞼縫合之前，可以考慮做羊膜移植，因為它能提供病患比較好的外觀及視力。

Abstract

Once the neurotrophic ulcer is fully established, the healing would be slow. Treatment is aimed at promoting re-epithelialization. In the literature, amniotic membrane was reported to effectively permit rapid epithelialization. Based on this character, we successfully treated a patient with neurotrophic ulcer by amniotic membrane transplantation. In this case, the neurotrophic ulcer was refractory to conventional medical treatment, while rapid reepithelialization was noted after amniotic membrane transplantation. Besides no adverse effects, such as allograft rejection, was noted because only the extracellular matrix substrate without live cells was transplanted. Amniotic membrane transplantation may be considered an option for treating neurotrophic ulcers that are refractory to conventional medical treatment. This procedure can be considered before conjunctival flaps or tarsorrhaphy, which is especially meaningful in that this approach can achieve a better cosmetic appearance and potential visual acuity.