

عنوان مقاله:

Maggot Debridement Therapy (MDT) for Treatment of Cutaneous Leishmaniasis Wound using *Lucilia serricata* Larvae in Iran: Case Reports

محل انتشار:

مجله علمی پژوهشی دانشگاه علوم پزشکی زنجان، دوره 30، شماره 138 (سال: 1400)

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خلاصه مقاله:

Article Number: e۵۶۶۴۱ Leishmaniasis is a worldwide vector-borne disease. The Cutaneous form of this disease leaves chronic wounds on the patient's skin. The purpose of this study was to treat cutaneous leishmaniasis wounds using *Lucilia serricata* larvae. Leishman's body was confirmed and *Leishmania major* was identified using PCR test in the samples of three patients in health center of Andimeshk County, southwest Iran during ۲۰۱۹-۲۰۲۰. The patients signed an informed consent form to receive maggot therapy. Five to ten sterile 1st instar larva of *L. serricata* per cm^۲ wound were inserted directly on the wounds in ۴۸-hours intervals and bandaged with sterile saline gauze. Cutaneous leishmaniasis wounds were free of purulent secretion within ۹-۱۲ days. After ۳۰- ۴۵ days of treatment; the wounds were healed entirely without leaving scar tissues. The results showed larvae of *L. serricata* can significantly improve wound healing rate but it is recommended to evaluate this biotherapy method in more patients.

کلمات کلیدی:

Maggot, Biotherapy, Cutaneous Leishmaniasis

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