سیویلیکا - ناشر تخصصی مقالات کنفرانس ها و ژورنال ها گواهی ثبت مقاله در سیویلیکا CIVILICA.com

عنوان مقاله:

Use of ovine acellular peritoneal matrix combined with honey and ovine fetal skin extract in the healing of full-thickness infected burn wounds in a rat

محل انتشار:

گفتمان پژوهش دامپزشكي, دوره 11, شماره 4 (سال: 1399)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

Treatment of infected burn wounds remains a challenge in burn units. Silver-sulfadiazine (SSD) is the most commonly used topical antimicrobial agent in managing these wounds. We aimed to accelerate the healing of burn wounds by combined application of ovine accellular peritoneal matrix (OAPM), honey (H), and ovine fetal skin extract (OFSE). Sixty-four standardized burn wounds were created on the dorsum of \gamma rats and were subsequently inoculated with Staphyloccocus aureus and Pseudomonas aeruginosa. After \factor h, the wounds were surgically debrided and received either physiologic saline (control group) or SSD, OAPM+SSD, OAPM+H+SSD, OAPM+H+OFSE+SSD. The healing wounds were evaluated for size, bacterial counts, histopathology, and biomechanical properties on days \(\tau, \namma, \namma, \namma \tau \text{ after surgery}.\) All treatments had effectively reduced the level of S. aureus and P. aeruginosa on wounds compared to the control group by day \(\tau \text{ and } \namma \text{ after surgery}.\) All treatments had effectively reduced the level of S. aureus and P. aeruginosa on wounds compared to the control group by day \(\tau \text{ and } \namma \text{ A after surgery}.\) All treatments had effectively reduced the level of S. aureus and P. aeruginosa on wounds compared to the control group by day \(\tau \text{ and } \namma \text{ A after surgery}.\) All treatments had effectively reduced the level of S. aureus and P. aeruginosa on wounds compared to the control group by day \(\tau \text{ and } \namma \text{ A after surgery}.\) All treatments had effectively reduced the level of S. aureus and P. aeruginosa on wounds compared to the control group by day \(\tau \text{ and } \namma \text{ A after surgery}.\) All treatments had effectively reduced the level of S. aureus and P. aeruginosa on wounds compared to the control group by day \(\tau \text{ and } \namma \text{ A after surgery}.\) All treatments had effectively reduced the level of S. aureus and P. aeruginosa on the surgery and \(\text{ A after surger

كلمات كليدى:

Acellular matrix, Burn wounds, Fetal skin extract, Honey, Wound healing

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