

عنوان مقاله:

Effect of Chitosan/Propolis biodegradable film on full thickness wound healing in rats

محل انتشار:

چهارمین کنگره بین المللی و ششمین کنگره ملی زخم و ترمیم بافت (سال: 1398)

تعداد صفحات اصل مقاله: 1

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خلاصه مقاله:

Objective - The objective of the present study was to assess effect of Propolis in combination with chitosan biofilm on excisional wounds. **Design**- Experimental Study **Animals**- Male healthy Wistar rats **Procedures**- Sixty-four rats were randomized into four groups of 16 rats each. Group I: Animals with wounds treated with 0.9% saline solution. Group II: Animals with wounds were dressed with chitosan biofilm. Group III: Animals with wounds were treated topically with Propolis and Group IV: Animals with wounds were treated topically with Propolis and dressed with chitosan biofilm. Wound size was measured on 6, 9, 12, 15, 18 and 21 days after surgery. Histological studies were performed on three time points of 7, 14 and 21 days post-wounding. **Results**- Planimetric studies and quantitative histological studies and mean rank of the qualitative studies demonstrated that there was significant difference ($P < 0.05$) between group IV and other groups. **Conclusion and Clinical Relevance**- It was concluded that the Propolis with chitosan biofilm had a reproducible wound healing potential in excisional wounds in rats.

کلمات کلیدی:

Propolis, chitosan biofilm, Excisional wound, rat

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