عنوان مقاله:

A Sponge wound healing accelerator containing PRF: An in vitro and in vivo Study

محل انتشار:

كنفرانس بين المللي پيشرفت هاي اخير در مهندسي، نوآوري و تكنولوژي (سال: 1401)

تعداد صفحات اصل مقاله: 15

نویسندگان:

Mohamadreza Tavakoli - Department of Materials Engineering, Isfahan University of Technology, Isfahan ארושא הארושא וווא Iran

Saeideh Salehi - Department of Materials Engineering, Islamic Azad University, Najaf Abad, Iran

Marjan Mirhaj - Department of Materials Engineering, Isfahan University of Technology, Isfahan ארושא- ארווו, Iran

Jaleh Varshosaz - Department of Pharmaceutics, school of Pharmacy and Novel Drug Delivery Systems Research

Centre, Isfahan University of Medical Sciences, Iran

Sheyda Labbaf - Department of Materials Engineering, Isfahan University of Technology, Isfahan AFIAF- AMIII, Iran

Azadeh Sepyani - Department of Tissue Engineering, Najafabad Branch, Islamic Azad University, Najafabad,Iran

خلاصه مقاله:

Despite significant advances in surgery and postoperative care, there are still challenges in the treatment of postoperative wounds, there are still challenges, including the high risk of complications and infection. Using of wound dressings is a common way to repair a skin defect and protect it from infection and dehydration. Platelet-rich fibrin (PRF) is known as an effective wound healing agent by creating an environment rich in growth factors and cytokines. The aim of this study was to fabricate a freeze-dried chitosan (Cs)/polyvinylpyrrolidone (PVP) sponge wound dressing containing different percentages of PRF (1, 1.\text{\

كلمات كليدى:

Chitosan, Platelet-rich fibrin, Polyvinylpyrrolidone, Wound dressing, Wound healing

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/1465619



