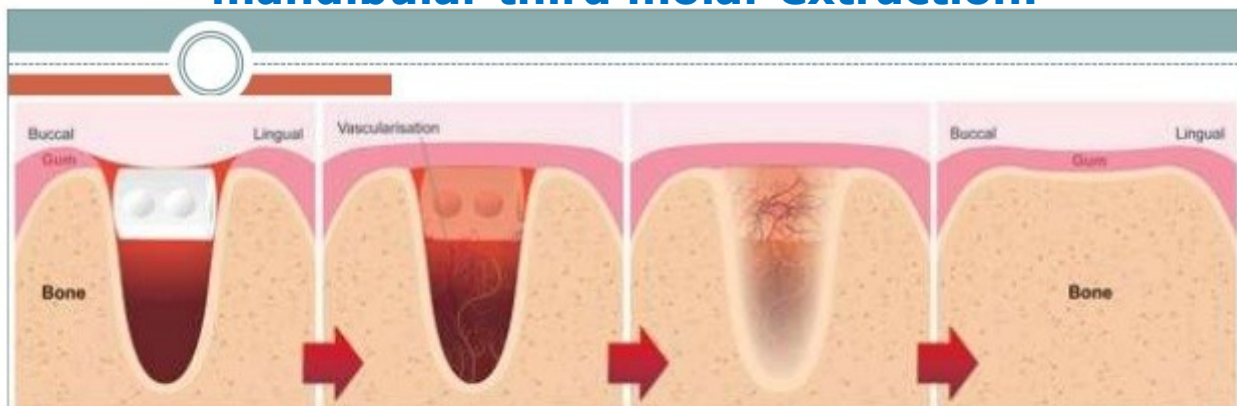


Medical PEMF Studies



WOUND HEALING

Pulsed electromagnetic fields for postoperative pain: a randomized controlled clinical trial in patients undergoing mandibular third molar extraction.



HEALING AFTER EXTRACTION OF TOOTH

- 1- immediate reaction after extraction
- 2-second week after extraction
- 3-third week after extraction
- 4-six to eight weeks after extraction(complete healing)

1. Oral Surg Oral Med Oral Pathol Oral Radiol. 2015 Mar;119(3):293-300. doi: 10.1016/j.oooo.2014.11.017. Epub 2014 Dec 13.

Stocchero M(1), Gobbato L(2), De Biagi M(2), Bressan E(2), Sivolella S(2).

Author information:

(1)Department of Oral Surgery, Dental Clinic, University of Padova, Padova, Italy. Electronic address: michele.stocchero@mah.se. (2)Department of Oral Surgery, Dental Clinic, University of Padova, Padova, Italy.

Medical PEMF Studies



OBJECTIVES: The clinical efficacy of a wearable pulsed electromagnetic field (PEMF) therapy device was assessed in terms of pain and quality of healing after tooth extraction.

STUDY DESIGN: This randomized, parallel design, placebo-controlled study involved 120 patients undergoing unilateral mandibular third molar extraction and assigned to three groups after surgery. Test and placebo patients wore enabled or disabled PEMF devices, respectively, and controls wore no device. Patients recorded pain (on the visual analog scale) and analgesic use for a week, after which healing complications were assessed.

RESULTS: Test patients had only slightly lower visual analog scale scores and analgesic use, but significantly fewer cases of dehiscence than placebo patients.

CONCLUSIONS: PEMF therapy delivered by a wearable device improved soft tissue healing and may be a useful adjunct for pain management after oral surgery.

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