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POTENTIAL TREATMENTS OF TOOTH EXTRACTION WOUNDS: A REVIEW

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Wound healing is a complex process occurring in injured tissue with an aim to restore its homeostasis. Depending on the type of wound the closure can be defined as either primary or secondary. The process of wound healing is divided into several precisely programmed (defined) phases that mutually overlap and include (I) hemostasis, (II) inflammation, (III) proliferation, (IV) maturation and in some cases (V) bone regeneration. Tooth extraction represents a very common dental procedure which involves the extraction of decayed, periodontally affected or impacted teeth. After the extraction procedure, the formation of the wound is inevitable, as well as the pain and discomfort that follow it. In this review, we addressed the influence of low-level lasers, polarised light, curcumin and coenzyme Q10 on the tooth extraction wound healing process. It seems that there might be potential candidates which might enhance wound healing, after tooth extraction, by modulating different phases in the process. Thus, new and more in-depth clinical and preclinical studies need to be conducted in order to estimate the real efficacy and safety levels in humans before introducing them in every day clinical practice.

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