

Evaluation of the Efficacy of Platelet-Rich Fibrin after Removal of Impacted Mandibular Third Molars: A Systematic Review

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Abstract

Mandibular third molars (M3Ms) are commonly impacted teeth, and their removal is often necessary. Platelet-rich fibrin (PRF) is a natural biological material derived from the patient's own blood, which has been shown to have regenerative properties. This systematic review aims to evaluate the efficacy of PRF after the removal of impacted M3Ms. The search was conducted in PubMed, Scopus, and Cochrane Database of Systematic Reviews. The keywords used were "platelet-rich fibrin", "impacted mandibular third molar", and "efficacy". The review included 10 studies. The results showed that PRF significantly reduced post-operative pain, swelling, and bleeding compared to the control group. Additionally, PRF promoted faster wound healing and bone formation. The overall quality of the evidence was moderate to high. The findings suggest that PRF is an effective adjunct to the removal of impacted M3Ms, providing better clinical outcomes and patient satisfaction.

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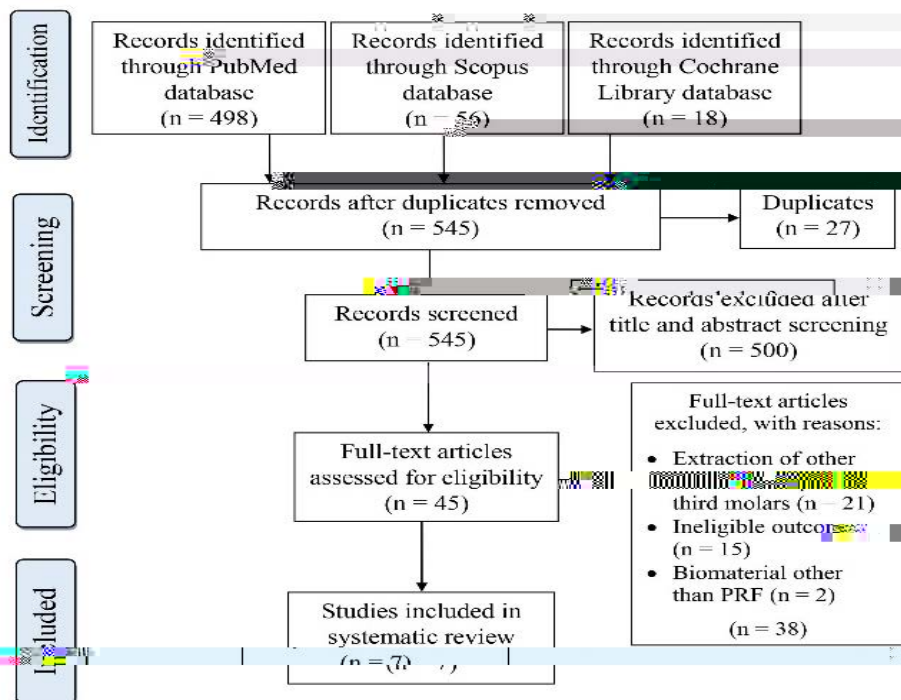


Figure 1:

Authors, Year	Follow-up visits	Pain	Swelling	Trismus	Bone healing
	th th months	-	-	-	th th
	st th months	-	-	-	st th
	st th th th		st postoperative	-	th th
	th th hours, st th		th	th	-
	th months th				
	st th th th			-	th th
	st th th	-	-	-	th th

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References

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