

Benefits of PRP in Third Molar Surgery - A Review of the Literature

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Abstract : Introduction and aims: PRP has been increasing in popularity over the past decade. It is used in many facets of medicine and dentistry such as osteoarthritis, hair loss, skin rejuvenation, healing of tendons after injury. Due to the increasing popularity of PRP in third molar surgery in dentistry, this study aims to identify the role of platelet rich plasma and its function in third molar surgery. Methodology: Three databases were chosen to source the articles for review: pubmed, science direct, and Cochrane. The keywords “platelet rich plasma”, “third molar extraction” and “wisdom tooth extraction” and literature review were used to search for relevant articles. Articles that were not in English were omitted and only systematic reviews relevant to the study were collected. All systematic reviews abstracts pertinent to the study were read by two reviewers to avoid bias. Results/statistics: 20 review articles were obtained of which 13 fulfilled the criteria. The Amstar tool validated the strength of these review articles. There is strong evidence in the literature that PRP in third molar surgery decreases post op pain, swelling and recovery time. 20 review articles were obtained of which 13 fulfilled the criteria. The Amstar tool validated the strength of these review articles. There is strong evidence in the literature that PRP in third molar surgery decreases post op pain, swelling and recovery time. Conclusions/clinical relevance: Platelet rich plasma plays a crucial role in patient recovery following the extraction of third molars and should be considered and offered as a routine part of third molar therapy.

Keywords : PRP, third molar, extractions, wisdom teeth

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