Reviewer's report

Title: Does PRP enhance bone-implant integration? A systematic review

Version: 1 Date: 28 July 2013

Reviewer: Aaron Nauth

Reviewer's report:

I would like to thank the authors for their contribution to the Journal and for their work on the submitted project. Unfortunately, I find their submission unsuitable for publication for the following reasons:

Major Compulsory Revisions:

1. The title and abstract are misleading. The use of the term bone implant is confusing. Most authors do not refer to autologous bone graft as an 'implant'. I think the review is better described as the influence of PRP on bone healing when combined with bone graft or bone graft substitutes.

2. The vast majority of the literature cited in this paper is from the oral/maxillofacial literature and the findings are difficult to extrapolate to orthopaedics. Is the review of relevance to this journal?

3. The authors describe their paper as a systematic review. The Cochrane Collaboration defines a systematic review as follows: "A systematic review attempts to identify, appraise and synthesize all the empirical evidence that meets pre-specified eligibility criteria to answer a given research question. Researchers conducting systematic reviews use explicit methods aimed at minimizing bias, in order to produce more reliable findings that can be used to inform decision making."

I do not think the manuscript the authors have submitted fulfills these criteria. In fact in the results section (in the abstract) the authors simply describe the number of papers they found and conclude that there is 'growing interest'. They do not make a substantial attempt to synthesize the data and provide objective conclusions about the effectiveness of PRP for enhancing bone healing when combined with bone graft or bone graft substitutes.

Level of interest: An article of limited interest

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.
Declaration of competing interests:

'I declare that I have no competing interests'