Reviewer’s report

Title: Prolonged Versus Brief Balloon Inflation During Arterial Angioplasty for De-Novo Atherosclerotic Disease: Protocol for a Systematic Review

Version: 0 Date: 19 Nov 2018

Reviewer: Kazunori Horie

Reviewer's report:

In the systematic review, the authors will evaluate the efficacy of prolonged balloon inflation over 1-minute duration to achieve the procedural success and improve the long-term vessel patency, compared with brief balloon inflation for 1 minute or less. Although current studies have reported the efficacy of metallic stents in atherosclerotic lesions, balloon angioplasty is still a standard treatment in patients who can not be treated without stent implantation. The optimal inflation time of balloon dilatation is still unknown in cardiac, cerebrovascular, and peripheral artery lesions; therefore, this review paper which described the relation between inflation time of balloon angioplasty and the prognostic outcomes, is worth reading. To enhance the quality of the paper, some points as mentioned below should be described much more in detail.

General Comments:

In general, this is a well-planned unique study and the protocol is presented in a clear manner. All sections are well written. We recommend addressing the following minor comments:

Abstract and Methods sessions

Please clarify whether drug-eluting and/or cutting balloons are included in this analysis. As well as, please provide the information whether in-stent restenosis lesions are included.

Background, Objectives, Discussion, List of Abbreviations.

No suggestions.

Level of interest

Please indicate how interesting you found the manuscript:

An article of importance in its field that should be highlighted to relevant networks
Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

Declaration of competing interests
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If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I, Kazunori Horie, declared no potential conflicts of interest.

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