Reviewer's report

Title: Drug-eluting stents or coronary artery bypass grafting for unprotected left main coronary artery disease: a meta-analysis of four randomized trials and seventeen observational studies

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Reviewer: Meng-Hua Chen

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The manuscript by Li and colleagues evaluates the safety and efficacy of drug-eluting stents (DES) or coronary artery bypass grafting (CABG) for unprotected left main coronary artery disease (ULMCAD). There are 4 RCTs and 17 non-randomized studies including 8413 patients. This meta-analysis showed that DES has higher safety but higher revascularization than CABG in patients with ULMCAD in the 5 years after intervention. The design and methods of the analysis are quite adequate and the data obtained may be of interest to the investigators on this field.

Some suggestions:
1. “Abstract”: The results in the abstract are not clear, thus, the conclusions are also poor. “Therefore, DES may be a better alternative for ULMCAD” ought to delete.
2. There are too many abbreviations in the text.
3. “Conclusion” in the text: need to edit.
4. There are some typographical errors in the text.
5. All parts of the manuscript ought to be edited according to the journal format.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

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'