Reviewer's report

Title: Impact of repeated percutaneous coronary intervention on long-term survival after subsequent coronary artery bypass surgery

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Reviewer: NAOKI KANEMITSU

Reviewer's report:

Many thanks for giving a chance to review this brilliant manuscript.

Minor essential revisions
1. Spelling of "Kaplan-Meier method" is mistaken in abstract and 1st paragraph of Results.
2. In 2nd paragraph of Materials and Methods, "clinically" should be "clinical", the reviewer guesses. And in the same paragraph, "p" and "P" are there. Had better use a same symbol.
3. In figures, "N", "S" and "M" may be "A", "B" and "C", each.
4. In 3rd paragraph of Discussion, the reviewer couldn't understand the meaning of the 4th sentence, especially "including revascularization rate in CABG".

Discretionary revisons
Dr Sakaguchi's manuscript is interesting and new in studying the impact of past PCI on the midterm results of CABG. The reviewer would like to ask some questions.

1. There is no remark about the procedure of CABG, that is, off-pump, on-pump beating or on-pump arrest CABG. It can affect the number of bypass grafts and mid-term results. Are there any differences in percentage of OPCAB in the three groups?

2. In group C, patients on hemodialysis are significantly more in number than in group A and B. The hazard ratio of hemodialysis shown in Table-3 are very high. If the author exclude the patients on dialysis, do the differences in the survival, cardiac death, and cardiac event become non-significant? If so, the effect of PCI on hemodialysis pts should be discussed, specifically.

3. Number of PCI is significant predictor of cardiac death with very small "P", but not of survival and cardiac events. The reviewer wonder why it is. (Though it may be difficult to answer). Are there any information available in the author's data, which are not written in the manuscript?

Level of interest: An article of importance in its field

Quality of written English: Acceptable
Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

There is nothing to declare.