Reviewer’s report

Title: Clinical results of bioresorbable drug-eluting scaffolds in short and long coronary artery lesions using the PSP technique

Version: 0 Date: 03 Dec 2018

Reviewer: Michele Albanese

Reviewer’s report:

In this paper entitled: "Clinical results of bioresorbable drug-eluting scaffolds in long coronary artery lesions using the PSP technique". The Authors studied the use of BVS-Absorb in routine clinical practice and compared the outcome of long lesions with short lesions. Implantation of drug-eluting scaffolds without PSP-technique is associated with an increased thrombotic risk. 326 patients with 424 lesions were enrolled in this prospective study and underwent percutaneous coronary intervention with the absorb BVS. Clinical follow-up was scheduled after 12, 24 and 36 months. In all lesions PSP technique was used.

Kaplan Meier estimates for DOCE after 12 months were 2.63% for short lesions and 8.09% for long lesions (p 0.0131), 5.51% vs 11.35% (p 0.0503) after 24 months and 8.00% vs 18% (p 0.0264) after 36 months of clinical follow-up. Kaplan meier estimated for TLR after 12 months were 1.46% for short and 7.69% for long lesions (p 0.0012), 2.06 vs 8.75% after 24 months (p 0.0027 and 4.96 % vs 9.59% after 36 months of follow-up (p 0.0109).

The paper is interesting, I have following suggestions, which I believe will make the manuscript read better and would be more cogent:

Comments:

1. I didn't find data about DAPT therapy and which type of drugs were used. Please report a table
2. Please perform a cox regression analysis to identify potential predictors of device failure and perform a propensity analysis according to the predictors. (see ref. PUBMED ID 28966157)
3. Please calculate the incidence of ST according the ARC classification
4. Please extend the discussion with these valuable papers (Pubmed ID: 30286520, 30041805, 29983253, 29743023, 29801740, 29630530, 28894597, 29216999, 28641852, 28966157, 28259663, 28935073, 28592227, 26654975)

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.
Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

**Declaration of competing interests**
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