Author’s response to reviews

Title: Single-center evaluation of a next generation fully repositionable and retrievable Transcatheter Aortic Valve Replacement

Authors:

Karolina Berntorp (karolina.berntorp@med.lu.se;karolina.berntorp@skane.se)

Sasha Koul (sashamkoul@gmail.com)

Shahab Nozohoor (shahab.nozohoor@med.lu.se)

Jan Harnek (JHarnek@aol.com)

Henrik Bjursten (henrik.bjursten@med.lu.se)

Matthias Götberg (matthias.gotberg@med.lu.se)

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Dear Dr Mockridge,

Thank you very much for considering our manuscript (original manuscript number: BCAR-D-17-00621R1) to be published in the BMC Cardiovascular Disorders. We would like to thank you and the reviewers for the comments that we feel have improved the overall quality of the manuscript. We have replied to each comment below and edited the manuscript according to the proposals. We hope that you will find the manuscript suitable for publication in BMC Cardiovascular Disorders.
On behalf of the authors,

Best regards

Karolina Berntorp, MD

Editor comments:

1. Ethics

Since “the pre- and post-operative data were retrieved from electronic medical records.” Please provide clarification on whether any (administrative) permissions were required, and obtained, in order to review patient records and use the data mentioned in the Methods.

Please can you also clarify whether the data collected through SWEDHEART / the pacemaker registry was publically available.

Author response: We have improved the manuscript according to the comments regarding administrative permission and publically available data. The changes are found under the "Declarations", subheading 1 "Ethics approval and consent to participate", page 12: "No specific consent for participation in the registry was needed since the data collected was identical to already available data in SWEDHEART, which is a national quality registry and does not require consent. The data from the SWEDHEART and the pacemaker registry is not publically available and therefore required ethics approval which was approved by Lund University ethics committee (LU2009/87), Lund, Sweden. The study as a whole was also approved by Lund University ethics committee (LU2009/87), Lund, Sweden, including administrative permission for obtaining and collecting data as well as medical records.”
2. Availability of Data and Materials

Please can you specify under ‘availability of data and materials’ which author the data set is available from, for example, “data is available from the corresponding author on reasonable request”.

Please can you also add a section to ‘availability of data and materials’ regarding the source of your data (SWEDHEART and the pacemaker registry), provide links and specify whether any permissions were required to use these.

Author response: Thank you for your comments. First, we have specified which author the data is available from. Second, we have provided the manuscript with links for SWEDHEART and the pacemaker registry. We have also specified that these registries are not publically available and therefore requires ethics approval. The changes are found under ”Declarations”, subheading 3 ”Availability of data and materials”, page 13: ”The data was collected from the electronic medical records, identical to the data in the SWEDHEART, which is a national quality registry. Data were also collected from the pacemaker registry. These registries are not publically available and therefore required ethics approval (see above). Links for further registry information are available at www.ucr.uu.se/swedeheart/ and www.pacemakerregistret.se. The collected data is available from the corresponding author.”

3. Funding

In the Funding section, please also describe the role of the funding body in the design of the study and collection, analysis, and interpretation of data and in writing the manuscript.

Author response: We have approved the funding section with the role of the funding body. The changes are found under ”Declarations”, subheading 5 ”Funding”, page 13: ”This research was funded by a Skane University Hospital research fund. This fund had no role in design of the study, collection, analysis, and interpretation of data or writing of the manuscript.”

4. Additional Files

Please can you remove the second copy of your manuscript containing the tracked changes.

Author response: The second copy with tracked changes are now removed.
5. Clean Manuscript

At this stage, please upload your manuscript as a single, final, clean version that does not contain any tracked changes, comments, highlights, strikethroughs or text in different colours. All relevant tables/figures/additional files should also be clean versions. Figures (and additional files) should remain uploaded as separate files. Please ensure that all figures, tables and additional/supplementary files are cited within the text.

Author response: The manuscript is now uploaded as a clean version. The tables are still in the manuscript as they are less than an A4 each in accordance to the submission guidelines.