Reviewer’s report

Title: Use of a hydrophilic coating wire reduces significantly the rate of central vein punctures and the incidence of pneumothorax in totally implantable access port (TIAP) surgery.

Version: 0 Date: 31 Aug 2017

Reviewer: Felix Dondorf

Reviewer's report:

Construction of the Paper

The structure of the paper is clear, well understood, but simply structured. It is a brief concise presentation of the subject.

Material and Methods

The material and method part is short, structured and records the essential points of the subject. The number of patients examined is remarkable.

Results

The results are easy to understand. Table 1 shows the main criteria of the investigated population. This leads to some individual questions: 1. Why is an outstandingly high proportion of ports primarily left-sided, even among patients with the first port implant? 2. How can be explained the increased, but not significant, proportion of infections (1,4 vs. 6,7%) / sepsis (2,9 vs. 5,7%) in the study group?

It is differentiated between early and late complications after port-implantation. How is the definition between early and late complications? How long have the patients been examined after the implantation? A more detailed description of the follow-up would be useful for differentiation.

Discussion

The discussion is brief, the literature partly outdated. The discussion of the appropriate literature is not adequately illustrated in the discussion part. Here a new literature search should take place.
The subdivision of the discussion part could be based on the key messages and should be more structured.

In the work the fact is emphasized, that the implantation is independent of the surgeon and the education level. This should be stored further with data.

Figure and Table

In principle, the illustrations serve the understanding of the work.

Figure 2 is intended to illustrate the operational flow. The quality of the figure is moderate, the visual impact weak. For the representation of the method the figure shows no substantial knowledge gain.

Language

The text is well understandable, the language simple.

Scientific significance of the work

The work has a moderate scientific significance.

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.

No

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

No
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:

Not suitable for publication unless extensively edited

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