Reviewer’s report

Title: A mathematical model that predicts the length from the left subclavian artery to celiac axis; towards accurate intra aortic balloon sizing.

Version: 1 Date: 17 May 2011

Reviewer: Panagiotis Dedeilies

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An algorithm to assess the appropriate size of the IABP for a given patient is always very valuable. The proposed strategy in this paper is wellcome and well documented. My only objection is that the sizes of the various balloon lengths do not only depend on the size of the IABP itself but also to the different companies. For example is the 40cc IABP by Datascpe the same in length as compared to the Arrow one? Are there any differences among the products of different companies? Apart from this to be clarified the paper worths to be published.

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:

'I declare that I have no competing interests'