**Declaration of co-authorship concerning article for PhD dissertations**

Full name of the PhD student: Johannes Aagaard Enevoldsen

This declaration concerns the following article/manuscript:

|  |  |
| --- | --- |
| Title: | Existing fluid responsiveness studies using the mini-fluid challenge may be misleading: Methodological considerations and simulations |
| Authors: | Johannes Enevoldsen, Thomas W. L. Scheeren, Jonas M. Berg, Simon T. Vistisen |

The article/manuscript is: Published  Accepted  Submitted  In preperation

If published, state full reference: Enevoldsen, J, Scheeren, TWL, Berg, JM, Vistisen, ST. Existing fluid responsiveness studies using the mini-fluid challenge may be misleading: Methodological considerations and simulations. Acta Anaesthesiol Scand. 2022; 66: 17– 24. https://doi.org/10.1111/aas.13965

If accepted or submitted, state journal:  Acta Anaesthesiologica Scandinavica

Has the article/manuscript previously been used in other PhD or doctoral dissertations?

No  Yes  If yes, give details:

**Your contribution**  
  
Please rate (A-F) your contribution to the elements of this article/manuscript, **and** elaborate on your rating in the free text section below.

1. Has essentially done all the work (>90%)
2. Has done most of the work (67-90 %)
3. Has contributed considerably (34-66 %)
4. Has contributed (10-33 %)
5. No or little contribution (<10%)
6. N/A

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| --- | --- |
| Category of contribution | Extent (A-F) |
| The conception or design of the work: | C |
| *Free text description of PhD student’s contribution* ***(mandatory)***  The problem was originally identified by Simon Vistisen. Johannes helped specify it into two sub-problems and proposed a simulation-based presentation | |
| The acquisition, analysis, or interpretation of data: | B |
| *Free text description of PhD student’s contribution* ***(mandatory)***  Johannes created the simulations of the problem, and, with Simon Vistisen, formulated the reanalysis of data from an existing MFC study. | |
| Drafting the manuscript: | B |
| *Free text description of PhD student’s contribution* ***(mandatory)***  Johannes formulated the first draft with significant contributions from Simon Vistisen. Johannes prepared the manuscript for submission after revisions from co-authors. | |
| Submission process including revisions: | A |
| *Free text description of PhD student’s contribution* ***(mandatory)***  Johannes submitted the manuscript and handled revisions after discussion with co-authors. | |

**Signatures of first- and last author, and main supervisor**

|  |  |  |
| --- | --- | --- |
| Date | Name | Signature |
| 26-10-2022 | Johannes Enevoldsen |  |
| 26-10-2022 | Simon Vistisen |  |
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Date:

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Signature of the PhD student