

Papers

This PhD dissertation is based upon the following three papers:

- **Paper 1** *Existing fluid responsiveness studies using the mini-fluid challenge may be misleading: Methodological considerations and simulations.* Published in Acta Anaesthesiologica Scandinavica, 2021. DOI: 10.1111/aas.13965.
- **Paper 2** *Using generalized additive models to decompose time series and waveforms, and dissect heart–lung interaction physiology.* Published in Journal of Clinical Monitoring and Computing, 2022. DOI:.
- **Paper 3**