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MD, PhD Fellow  
Department of Anaesthesiology  
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## Employment

**MD, PhD Fellow**  
Department of Anaesthesiology  
The Capital Region of Denmark  
1 May 2019 → present

**Department of Anaesthesiology**  
The Capital Region of Denmark  
1 Jan 2021 → present

**Junior doctor**  
Forsvaret  
Denmark  
1 Jan 2016 → present

## Research outputs

**Nadir heart rate as a novel risk marker of postoperative complications - A propensity matched analysis**  
Mølgaard, J., Mayer, L., Rasmussen, S. S., Haahr-Raunkjær, C., Achiam, M. P., Jørgensen, L. N., Meyhoff, C. S. & Aasvang, E. K., 27 Jan 2025, (E-pub ahead of print) In: *Sleep Medicine*. 128, p. 65-73 9 p.

**Prognostic value of heart rate variability for risk of serious adverse events in continuously monitored hospital patients**  
Aagaard, N., Olsen, M. H., Rasmussen, O. W., Grønbaek, K. K., Mølgaard, J., Haahr-Raunkjaer, C., Elvekjaer, M., Aasvang, E. K. & Meyhoff, C. S., Dec 2024, In: *Journal of Clinical Monitoring and Computing*. 38, 6, p. 1315-1329 15 p.

**Comparison of Wireless Continuous Axillary and Core Temperature Measurement after Major Surgery**  
Nathansen, A. B., Mølgaard, J., Meyhoff, C. S. & Aasvang, E. K., 10 Jul 2024, In: *Sensors*. 24, 14, 4469.

**Pain perception while listening to thrash heavy metal vs relaxing music at a heavy metal festival - the CoPainHell study - a factorial randomized non-blinded crossover trial**  
Welling, A. H., Nathansen, A. B., Pitter, S. E. L. T., Mølgaard, J., Dickenson, A. H. & Aasvang, E. K., 1 Jan 2024, In: *Scandinavian Journal of Pain*. 24, 1, 20240070.

**Real-world causal evidence for planned predictive enrichment in critical care trials: A scoping review**  
Kaas-Hansen, B. S., Granholm, A., Sivapalan, P., Anthon, C. T., Schjørring, O. L., Maagaard, M., Kjaer, M.-B. N., Mølgaard, J., Ellekjaer, K. L., Fagerberg, S. K., Lange, T., Møller, M. H. & Perner, A., Jan 2024, In: *Acta Anaesthesiologica Scandinavica*. 68, 1, p. 16-25 10 p.

**Interpreting postoperative physiology prior to complications using continuous vital sign monitoring**  
Mølgaard, J., 1 Dec 2023, 130 p.

**Deviations in continuously monitored electrodermal activity before severe clinical complications: a clinical prospective observational explorative cohort study**  
Johansen, A. O., Mølgaard, J., Rasmussen, S. S., Gu, Y., Grønbæk, K. K., Sørensen, H. B. D., Aasvang, E. K. & Meyhoff, C. S., Dec 2023, In: *Journal of Clinical Monitoring and Computing*. 37, 6, p. 1573-1584 12 p.

**The effect of technical filtering and clinical criteria on alert rates from continuous vital sign monitoring in the general ward**  
Kjærgaard, K., Mølgaard, J., Rasmussen, S. M., Meyhoff, C. S. & Aasvang, E. K., Dec 2023, In: Hospital practice. 51, 5, p. 295-302 8 p.

**Associations between clinical interventions and transcutaneous blood gas values in postoperative patients**  
Thy, S. A., Johansen, A. O., Thy, A., Sørensen, H. H., Mølgaard, J., Foss, N. B., Toft, P., Meyhoff, C. S. & Aasvang, E. K., Oct 2023, In: Journal of Clinical Monitoring and Computing. 37, 5, p. 1255-1264 10 p.

**Deviating vital signs in continuous monitoring prior to discharge and risk of readmission: an observational study**  
Songthawornpong, N., Elvekjaer, M., Mølgaard, J., Rasmussen, S. M., Meyhoff, C. S., Aasvang, E. K. & Eriksen, V. R., Aug 2023, In: Internal and Emergency Medicine. 18, 5, p. 1453-1461 9 p.

**Wireless Single-Lead versus Standard 12-Lead ECG, for ST-Segment Deviation during Adenosine Cardiac Stress Scintigraphy**  
Fabricius Ekenberg, L., Høfsten, D. E., Rasmussen, S. M., Mølgaard, J., Hasbak, P., Sørensen, H. B. D., Meyhoff, C. S. & Aasvang, E. K., 9 Mar 2023, In: Sensors. 23, 6, 2962.

**Continuous wireless pre- and postoperative vital sign monitoring reveal new, severe desaturations after vascular surgery**  
Mølgaard, J., Rasmussen, S. S., Eiberg, J., Sørensen, H. B. D., Meyhoff, C. S. & Aasvang, E. K., Jan 2023, In: Acta Anaesthesiologica Scandinavica. 67, 1, p. 19-28 10 p.

**Quantifying physiological stability in the general ward using continuous vital signs monitoring: the circadian kernel density estimator**  
Rasmussen, S. S., Grønbæk, K. K., Mølgaard, J., Haahr-Raunkjær, C., Meyhoff, C. S., Aasvang, E. K. & Sørensen, H. B. D., 2023, In: Journal of Clinical Monitoring and Computing. 37, 6, p. 1607-1617 11 p.

**The association between vital signs abnormalities during postanaesthesia care unit stay and deterioration in the general ward following major abdominal cancer surgery assessed by continuous wireless monitoring**  
Skovbye, M., Mølgaard, J., Rasmussen, S. M., Bjarup Dissing Sørensen, H., Meyhoff, C. S. & Aasvang, E. K., 5 Dec 2022, In: Critical Care and Resuscitation. 24, 4, p. 330-340 11 p.

**Causal inference for planning randomised critical care trials: Protocol for a scoping review**  
Kaas-Hansen, B. S., Granholm, A., Anthon, C. T., Kjaer, M.-B. N., Sivapalan, P., Maagaard, M., Schjørring, O. L., Fagerberg, S. K., Ellekjær, K. L., Mølgaard, J., Ekstrøm, C. T., Møller, M. H. & Perner, A., Nov 2022, In: Acta Anaesthesiologica Scandinavica. 66, 10, p. 1274-1278 5 p.

**Clinical impact of vital sign abnormalities in patients admitted with acute exacerbation of chronic obstructive pulmonary disease: an observational study using continuous wireless monitoring**  
Elvekjaer, M., Rasmussen, S. M., Grønbæk, K. K., Porsbjerg, C. M., Jensen, J.-U., Haahr-Raunkjær, C., Mølgaard, J., Søgaard, M., Sørensen, H. B. D., Aasvang, E. K. & Meyhoff, C. S., Sept 2022, In: Internal and Emergency Medicine. 17, 6, p. 1689-1698 10 p.

**Prediction of serious outcomes based on continuous vital sign monitoring of high-risk patients**  
Kristinsson, Æ. Ö., Gu, Y., Rasmussen, S. M., Mølgaard, J., Haahr-Raunkjær, C., Meyhoff, C. S., Aasvang, E. K. & Sørensen, H. B. D., Aug 2022, In: Computers in Biology and Medicine. 147, p. 1-8 8 p., 105559.

**Wireless Single-Lead ECG Monitoring to Detect New-Onset Postoperative Atrial Fibrillation in Patients After Major Noncardiac Surgery: A Prospective Observational Study**  
Jokinen, J. D. V., Carlsson, C. J., Rasmussen, S. M., Nielsen, O. W., Winkel, B. G., Jorgensen, L. N., Achiam, M. P., Mølgaard, J., Sørensen, H. B. D., Aasvang, E. K., Meyhoff, C. S. & WARD-Project Group, 1 Jul 2022, In: Anesthesia and Analgesia. 135, 1, p. 100-109 10 p.

**Forecasting of Continuous Vital Sign Using Multivariate Auto-Regressive Models**  
Rasmussen, S. M., Molgaard, J., Haahr-Raunkjaer, C., Meyhoff, C. S., Aasvang, E. & Sorensen, H. B. D., Jul 2022, In: Proceedings of the International Conference of the IEEE Engineering in Medicine and Biology Society . 2022, p. 385-388 4 p.

**Prediction of Serious Adverse Events from Nighttime Vital Signs Values**

Mayer, L., Rasmussen, S. M., Molgaard, J., Gu, Y., Aasvang, E. K., Meyhoff, C. S. & Sorensen, H. B. D., Jul 2022, In: Proceedings of the International Conference of the IEEE Engineering in Medicine and Biology Society . 2022, p. 2631-2634 4 p.

**Continuous monitoring of vital sign abnormalities; association to clinical complications in 500 postoperative patients**

Haahr-Raunkjaer, C., Mølgaard, J., Elvekjaer, M., Rasmussen, S. M., Achiam, M. P., Jorgensen, L. N., Søgaard, M. I. V., Grønbaek, K. K., Oxbøll, A.-B., Sørensen, H. B. D., Meyhoff, C. S. & Aasvang, E. K., May 2022, In: Acta Anaesthesiologica Scandinavica. 66, 5, p. 552-562 11 p.