

Forskningsprofil

Min forskningsniche er udvikling og implementering af telemedicinske løsninger og digitale sundhedsteknologier, der fremmer forebyggelse og håndtering af kroniske sygdomme gennem brugerdrevet innovation. Med et særligt fokus på samarbejde mellem klinikere og patienter, søger jeg at udforske, hvordan teknologier kan designes og tilpasses for at øge effektiviteten og patientempowerment. Min forskning sigter mod at skabe løsninger, der giver patienter større kontrol over deres egen sundhed og nemmere adgang til behandling, hvilket i sidste ende kan bidrage til bedre sygdomsforebyggelse og sundhedsresultater. Mere information: <https://www.linkedin.com/in/pernillesecher/>

Kvalifikationer

Adjunktpædagogikum, Hvordan faciliteres og fastholdes problembaseret læring i case-sessioner på bachelor niveau på medicinuddannelsen: AP-rapport, Institut for Medicin og Sundhedsteknologi

1 jan. 2019 → 19 dec. 2019

Dimissionsdato: 19 dec. 2019

Medicinsk Informatik, Ph.d. (Doctor of philosophy)), Evaluering af en telemedicinsk intervention for patienter med KOL (sundheds- og patientrelaterede evaluering af det danske TeleCare Nord projekt, Institut for Medicin og Sundhedsteknologi

1 mar. 2013 → 26 okt. 2016

Dimissionsdato: 26 okt. 2016

Klinisk Videnskab og Teknologi, Cand. scient. , Stratificering af patienter med hjertelidelser til E-rehabiliteringsplan, Institut for Medicin og Sundhedsteknologi

1 sep. 2010 → 30 jun. 2012

Dimissionsdato: 30 jun. 2012

Sygeplejerskeuddannelsen, Professionsbachelor i sygepleje, At være i verden med fibromyalgi - kan man lære at leve med det?, University College of Northern Denmark

1 feb. 2007 → 9 jun. 2010

Dimissionsdato: 30 jun. 2010

Ansættelse

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Det Sundhedsvidenskabelige Fakultet

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1 mar. 2013 → 31 dec. 4712

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Medical Informatics and Image Analysis

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1 mar. 2013 → 31 dec. 4712

Publikationer

Impact of Telemonitoring With Exacerbation Prediction Algorithm Versus Telemonitoring Alone on Hospitalizations and Health-Related Quality of Life in Patients With COPD

Kronborg, T., Hangaard, S., Laursen, S. H., Hæsum, L. K. E., Egmos, J., Bender, C., Secher, P. H., Hejlesen, O. & Udsen, F. W., 7 apr. 2025, (E-pub ahead of print) I: *Respiratory Care*.

Usability Evaluation of a Web-Based Remote Patient Monitoring Application: An Ongoing Study

Secher, P. H., Egmos, J., Hejlesen, O. & Hangaard, S., 22 aug. 2024, *Digital Health and Informatics Innovations for Sustainable Health Care Systems*. IOS Press, Bind 316. s. 125-126 2 s. (Studies in Health Technology and Informatics , Bind 316).

Effectiveness of telemedicine in managing diabetes in pregnancy: a systematic review and meta-analysis

Laursen, S. H., Boel, L., Udsen, F. W., Secher, P. H., Andersen, J. S. D., Vestergaard, P., Hejlesen, O. & Hangaard, S., sep. 2023, I: *Journal of Diabetes Science and Technology*. 17, 5, s. 1364-1375 12 s.

Clinical implementation of an algorithm for predicting exacerbations in patients with COPD in telemonitoring: a study protocol for a single-blinded randomized controlled trial

Secher, P. H., Hangaard, S., Kronborg, T., Hæsum, L. K. E., Udsen, F. W., Hejlesen, O. & Bender, C., 26 apr. 2022, I: *Trials*. 23, 1, 356.

Reablement professionals' perspectives on client characteristics and factors associated with successful home-based reablement: a qualitative study

Stausholm, M. N., Pape-Haugaard, L., Hejlesen, O. K. & Secher, P. H., 6 jul. 2021, I: *BMC Health Services Research*. 21, 1, 12 s., 665.

Preliminary Qualitative Evaluation of Patient-Related Perspectives Related to the Implementation of a Predictive Algorithm in a Telehealth System for COPD

Bender, C., Hangaard, S., Kronborg, T., Hejlesen, O. K. & Secher, P. H., 27 maj 2021, *Public Health and Informatics*. IOS Press, Bind 281. s. 545-549 5 s. (Studies in Health Technology and Informatics , Bind 281).

Predictors of Hospital Admissions Based on Routinely Collected Everyday Observations in a Community Care Setting

Stausholm, M. N., Secher, P. H. & Hejlesen, O. K., 16 jun. 2020, *Digital Personalized Health and Medicine*. IOS Press, Bind 270. s. 1359-1360 2 s. (Studies in Health Technology and Informatics , Bind 270).

Predicting Preventable Hospitalizations among Elderly Recipients of Home Care: a Study Protocol

Stausholm, M. N., Secher, P. H., Cichosz, S. L. & Hejlesen, O., 24 aug. 2018, *Proceedings from The 16th Scandinavian Conference on Health Informatics 2018 Aalborg, Denmark August 28-29, 2018*. Bygholm, A., Pape-Haugaard, L., Niss, K., Hejlesen, O. & Zhou, C. (red.). Linköping University Electronic Press, s. 75-79 (Linköping Electronic Conference Proceedings, Bind 151).

Population exacerbation incidence contains predictive information of acute exacerbations in patients with chronic obstructive pulmonary disease in telecare

Larsen, T. K., Mark, L., Cichosz, S. L., Secher, P. H. & Hejlesen, O., 2018, I: *International Journal of Medical Informatics*. 111, s. 72-76 5 s.

Cost-effectiveness of telehealthcare to patients with chronic obstructive pulmonary disease: results from the Danish 'TeleCare North' cluster-randomised trial

Udsen, F. W., Lilholt, P. H., Hejlesen, O. & Ehlers, L., 2017, I: *BMJ Open*. 7, 5, 14 s., e014616.

Stratification of telehealthcare for patients with chronic obstructive pulmonary disease using a predictive algorithm as decision support: a pilot study

Stausholm, M. N., Egmos, A., Dahl, S. C., Lilholt, P. H., Cichosz, S. L. & Hejlesen, O. K., 2017, I: *Journal of Telemedicine and Telecare*. 23, 3, s. 410-415

Subgroup analysis of telehealthcare for patients with chronic obstructive pulmonary disease: the cluster-randomized Danish Telecare North Trial

Witt Udsen, F., Lilholt, P. H., Hejlesen, O. K. & Ehlers, L. H., 2017, I: *ClinicoEconomics and Outcome Research*. 9, s. 391-401

Telehealthcare for patients suffering from chronic obstructive pulmonary disease: effects on health-related quality of life: results from the Danish 'TeleCare North' cluster-randomised trial

Lilholt, P. H., Witt Udsen, F., Ehlers, L. & Hejlesen, O. K., 2017, I: *BMJ Open*. 7, 5, 14 s., e014587.

An iterative, mixed usability approach applied to the Telekit system from the Danish TeleCare North trial

Lilholt, P. H., Schaarup, C. & Hejlesen, O. K., 2016, I: *International Journal of Telemedicine and Applications*. 2016, 13 s., 6351734.

Evaluation of a Telehealthcare Intervention for Patients with COPD: health- and patient-related evaluation of the Danish telecare north trial

Lilholt, P. H., 2016, Aalborg Universitetsforlag. 101 s.

Specific technological communication skills and functional health literacy have no influence on self-reported benefits from enrollment in the TeleCare North trial

Lilholt, P. H., Hæsum, L. K. E., Ehlers, L. H. & Hejlesen, O. K., 2016, I: *International Journal of Medical Informatics*. 91, s. 60-66

Exploring user experience of a telehealth system for the Danish TeleCare North trial

Lilholt, P. H., Hæsum, L. K. E. & Hejlesen, O., 2015, *Digital Healthcare Empowering Europeans: Proceedings of MIE2015, 27-29 May 2015, Madrid, Spain*. Cornet, R., Stoicu-Tivadar, L., Hörbst, A., Calderón, C. L. P., Andersen, S. K. & Hercigonja-Szekeres, M. (red.). IOS Press, s. 301-305 (Studies in Health Technology and Informatics; Nr. 210).

Heuristic evaluation of a telehealth system from the Danish TeleCare North Trial

Lilholt, P. H., Jensen, M. H. & Hejlesen, O., 2015, I: *International Journal of Medical Informatics*. 84, 5, s. 319-326

Effectiveness and cost-effectiveness of telehealthcare for chronic obstructive pulmonary disease: Study protocol for a cluster randomized controlled trial

Udsen, F. W., Lilholt, P. H., Hejlesen, O. & Ehlers, L. H., maj 2014, I: *Trials*. 15, 178

Instructional video reduces errors in home blood pressure management

Hangaard, S. V., Bonderup, M. A., Lilholt, P. H., Johansen, M. D. & Hejlesen, O., 2014, *e-Health - for Continuity of Care: Proceedings of MIE2014, 31 August-3 September 2014, Istanbul, Turkey*. Lovis, C., Séroussi, B., Hasman, A., Pape-Haugaard, L., Saka, O. & Andersen, S. K. (red.). IOS Press, s. 1188 (Studies in Health Technology and Informatics; Nr. 205).

User satisfaction and experience with a telehealth system for the Danish TeleCare North Trial: a think-aloud study

Lilholt, P. H., Heiden, S. & Hejlesen, O., 2014, *e-Health - for Continuity of Care: Proceedings of MIE2014, 31 August-3 September 2014, Istanbul, Turkey*. Lovis, C., Séroussi, B., Hasman, A., Pape-Haugaard, L., Saka, O. & Andersen, S. K. (red.). IOS Press, s. 900-904 (Studies in Health Technology and Informatics; Nr. 205).

A heuristic evaluation of a telehealth solution from the Danish TeleCare North large scale randomized trial

Lilholt, P. H., Jensen, M. H. & Hejlesen, O., 2013, *Scandinavian Conference on Health Informatics 2013, 20 August 2013, Copenhagen, Denmark*. Bellika, G., Bygholm, A., Dencker, M., Fossum, M., Galster, G., Hartvigsen, G., Hejlesen, O., Karlsson, D., Koch, S. & Moe, C.-E. (red.). Linköping University Electronic Press, s. 93 (Linköping Electronic Conference Proceedings; Nr. 91).

Patient support ICT tool for hypertension monitoring

Bonderup, M. A., Hangaard, S. V., Lilholt, P. H., Johansen, M. D. & Hejlesen, O., 2012, *Quality of Life through Quality of Information: Proceedings of MIE2012, 26-29 August 2012, Pisa, Italy*. Mantas, J., Andersen, S. K., Mazzoleni, M. C., Blobel, B., Quaglini, S. & Moen, A. (red.). IOS Press, s. 189-193 (Studies in Health Technology and Informatics; Nr. 180).

A pilot assessment of why patients choose not to participate in self-monitoring oral anticoagulant therapy

Bonderup, M. A., Hangaard, S. V., Lilholt, P. H., Johansen, M. D. & Hejlesen, O. K., 2011, I: *Studies in Health Technology and Informatics*. 169, s. 43-47

Presse/medie

TeleCare Nord ønsker tillykke til ny PhD

Datasæt

Effectiveness of Telemedicine in Managing Diabetes in Pregnancy: A Systematic Review and Meta-Analysis

Laursen, S. H. (Ophavsperson), Boel, L. (Ophavsperson), Udsen, F. W. (Ophavsperson), Secher, P. H. (Ophavsperson), Andersen, J. D. (Ophavsperson), Vestergaard, P. (Ophavsperson), Hejlesen, O. K. (Ophavsperson) & Hangaard, S. (Ophavsperson), Sage Journals, 2022

DOI: 10.25384/sage.c.5988112,

https://sage.figshare.com/collections/Effectiveness_of_Telemedicine_in_Managing_Diabetes_in_Pregnancy_A_Systematic_Review_and_Meta-Analysis/5988112

Reablement professionals' perspectives on client characteristics and factors associated with successful home-based reablement: a qualitative study

Stausholm, M. N. (Ophavsperson), Pape-Haugaard, L. (Ophavsperson), Hejlesen, O. K. (Ophavsperson) & Secher, P. H. (Ophavsperson), Figshare, 2021

DOI: 10.6084/m9.figshare.c.5500229,

https://springernature.figshare.com/collections/Reablement_professionals_perspectives_on_client_characteristics_and_factors_associated_with_successful_home-based_reablement_a_qualitative_study/5500229