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## Vital monitoring system in patients with cancer – A cross border collaboration project (DK-DE)

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**Background:** The prevalence of cancer is rising in the elder generation as development of cancer treatment increase. Subsequently a larger population of elderly patients live with cancer. To relieve the pressure on specialized hospital wards, there is a need to develop monitoring systems as well as integrating patients and relatives in the treatment in their own home as in the hospital.

**Aim:** The aim of this study is to implement and validate vital sign technologies to test temperature, pulse blood samples in hospital wards and in patient's home. Further generate knowledge about patients and relatives experience and use of vital sign technologies. Oncology nurses' perception, attitudes and experience of care practices in relation to vital sign monitoring is explored.

**Methods:** The project test four innovative vital sign technologies in patients admitted to partner hospitals in Denmark and in Germany. The user perspective include qualitative data obtained by anthropologic observational studies, and qualitative interviews with patients, relatives and healthcare professionals. The validation of the vital sign technologies is performed by quantitative analysis and compared to usual measures of vital signs.

**Results:** Results will be available in spring 2017 and for presentation at the Berlin conference. The project is a part of European Union's INTERREG 5a Program - Innocan (Innovative high technological cancer treatment Denmark-Germany). The design includes elements according to Medical Technology Assessment. Collaborating partners include private companies aiming to get new welfare-technological solutions into the market. Partners in the project are: University College Zealand (UCSJ), Design School Kolding (DSK), Health Innovation Center Zealand (PFI), University Hospital Nastved (Lead Partner), University Hospital Odense, Opeon Aps, Danish Cancer Society, University Clinic Schleswig-Holstein Lubeck, University Clinic Schleswig-Holstein Kiel, Cancer register Schleswig-Holstein.

### Biography

Christina Louise Lindhardt has completed her Ph.D. from the University of Southern Denmark at The Department of Health Sciences. Currently she is doing her Postdoctoral studies from the same university as well as working at The University College of Zealand with research. She has published in reputed scientific journals.

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