Teledermatology in practice – evaluating the impact of a country-wide medical photo management solution Dermtest – from barriers and outcomes to relevant policy implications

Summary

The project includes analysis of barriers of adoption and impact to patients and healthcare system. It will also include policy implications for national health information system regarding standards and interoperability.

Research field:	Information and communication technology
Supervisor:	Peeter Ross
Availability:	This position is available.
Offered by:	School of Information Technologies Department of Health Technologies
Application deadline:	Applications are accepted between May 03, 2021 00:00 and May 31, 2021 23:59 (Europe/Zurich)

Description

The Estonian Dermtest teledermatology service has grown from a dermoscopy focused melanoma detection service to a complete and comprehensive medical photo management solution covering all Estonian regions, 60 health care providers and a number of specialties form skin cancer, wound care, general dermatology and psoriasis management. The research should focus on evaluation and conceptualization of the different software enabled services and use-cases, including the impact and barriers of implementation, but also discuss the policy implications for digital society services such as country-wide health information exchange and its standards. The research is especially important for global healthcare community to understand what implementing such services entails in terms of impact to patients but also the digital infrastructure changes.

Applicants should fulfil the following requirements:

- Practical experience in implementing teledermatology
- Ongoing research participation in the field of the topic
- Experience in evaluating digital health technologies
- Work experience in academia
- High motivation to conduct research on the subject

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