Seminar
5th October
14.30-16

Rendsburggade 14
Room 3.329

AI in healthcare

- development, implementation and application

AI in healthcare represents a pivotal frontier where cutting-edge technology is supposed to improve healthcare delivery and create more effective workflows and systems. Through ongoing innovation, it promises to transform the landscape of medicine and healthcare management. As the impact of AI on healthcare is growing, the Danish Centre for Health-Informatics (DaCHI), has decided to host a seminar, where international research and ongoing projects are presented.

Participation is free and hybrid, can be accessed through the following link and QR code:
https://tinyurl.com/4d249rcz

Laurie Lovett Novak, *PhD, MHSA, FAMIA*
Associate Professor and Director
Center of Excellence in Applied AI
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Realizing the Promise of AI in Healthcare: Challenges and Solutions for Leaders
Artificial intelligence (AI) technology is proliferating rapidly in the healthcare sector through research and industry innovation. Research is emerging that suggests real benefits can be obtained in implementation.

However, grim stories have emerged of widely implemented AI tools found to be biased or inaccurate. The potential for drift in fairness and accuracy in the models is also a serious concern. Managing these risks is a challenge for healthcare leaders. We will discuss this management challenge using an organizational capabilities framework and offer some approaches for the way forward.

Carina Østervig Andersen and **Maja Elisabeth Hultberg Rasmussen,**
Innovationsklinikken, Aalborg University Hospital

CAIDX is a EU funded project with the goal of facilitating the uptake of AI and data driven diagnostics tools for healthcare. The aim is to develop dedicated tools to support the creation, collaboration, adoption and implementation of AI solutions at hospital level. The tools are created through qualitative approaches, combined with looking into existing knowledge on the topic. It is a three year project, where the first year is collecting data and developing the tools. The second year, the tools will be piloted by relevant stakeholders and revised accordingly. The third year, the solutions will be disseminated. By developing standard procedures for development, testing and implementation of such AI applications, our solutions should improve and accompany the cultural change necessary to unfold the potential of AI in the healthcare sector.

Charles Vesteghem, *Program Manager* - Data infrastructure and AI-based decision support tools, *Assistant Professor* in Clinical Data Science, The Faculty of Medicine, Aalborg University

Earlier referral to palliative care in cancer with AI - Challenges in the implementation of a national solution

Accurately predicting the short-term mortality risk of cancer patients can have a significant impact on their quality of life in their last months. Indeed, anticancer treatments typically come with severe side effects with no benefit for patients with a limited survival. Timely treatment cessation and referral to palliative care should be a priority. Currently, this prediction primarily relies on the physician's experience and the accuracy can therefore vary between oncologists leading to inequal quality of care. AI could help improve and homogenize this process, but the implementation at the national level of such solutions comes with many challenges.

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