

Press release

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Basic information

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Department of: Clinical Medicine

Main supervisor: Lektor Pinar Bor, MD, PhD

Title of dissertation: Cervical Dysplasia – Can the diagnostic procedures be improved? Evaluation of Dynamic Spectral Imaging colposcopy in a Danish clinical setting

Date for defence: 5 February 2021 at (time of day): 14:00-16:00 Place: Online (link available by contact to Berit Bargum Booth)

Press release (Danish)

Celleforandringer på livmoderhalsen - Kan den diagnostiske procedure forbedres?
Undersøgelse af Dynamic Spectral Imaging (DSI) kolposkopi i en dansk sammenhæng.

Hvert år rammes omkring 400 kvinder af livmoderhalskræft i Danmark. Livmoderhalskræft er forudgået af celleforandringer på livmoderhalsen og forårsages af Human Papillomavirus (HPV). Omkring 15.000 kvinder får årligt konstateret nyopdagede celleforandringer på livmoderhalsen. Disse kvinder henvises til en kolposkopiundersøgelse. Her vurderes det, om der er områder, der er suspekte for celleforandringer, og der tages vævsprøver fra disse områder. Dette er standardprocedure verden over. Tidligere forskning viser desværre, at nøjagtigheden af kolposkopi ikke er så god, som vi troede, og det står klart, at områder med celleforandringer overses ved kolposkopi. Ny teknologi kan måske forbedre dette. Dynamic Spectral Imaging (DSI) kolposkopi er et digitalt instrument, som via et farvekort indikerer områder suspekte for celleforandringer. Studier har vist, at DSI kolposkopi muligvis kan bidrage med en optimering af kolposkopiproceduren. PhD-projektet bidrager med ny viden om effekten af at tilføje den digitale teknologi til kolposkopi undersøgelsen i en dansk sammenhæng.

PhD-projektet er fra Aarhus Universitet, Health og er gennemført af Berit Bargum Booth, der forsvarer afhandlingen d. 5. februar 2021.

Forsvaret af PhD-projektet er offentligt og vil pga COVID-19 restriktioner blive gennemført virtuelt. Forsvaret finder sted d. 5. februar 2021 kl. 14:00. Link til virtuel deltagelse kan tilsendes ved kontakt til Berit Bargum Booth. Titlen på projektet er ”Celleforandringer på livmoderhalsen - kan den diagnostiske procedure forbedres? Undersøgelse af Dynamic Spectral Imaging (DSI) kolposkopi i en dansk klinisk setting”.

Yderligere oplysninger kan fås ved kontakt til PhD-studerende Berit Bargum Booth, e-mail: berit.booth@clin.au.dk, tlf. +45 28587858

Bedømmelsesudvalg:

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Press release (English)

Cervical Dysplasia – Can the diagnostic procedures be improved? Evaluation of Dynamic Spectral Imaging colposcopy in a Danish clinical setting

In Denmark, approximately 400 women are diagnosed with cervical cancer each year. Cervical cancer is preceded by cervical dysplasia and around 15.000 women are diagnosed with cervical dysplasia each year in Denmark. These women are referred for a colposcopic examination, where the cervix is assessed for signs of dysplasia and biopsies are taken. This is the accepted procedure worldwide. However, previous research has shown that colposcopy is a subjective examination, and areas with high-grade dysplasia may be overlooked. New digital technologies have the potential to improve the performance of colposcopy. Dynamic Spectral Imaging (DSI) is one of these technologies. DSI colposcopy has shown promising results in smaller studies. The PhD project contributes with new knowledge on the performance of the DSI colposcope in a Danish clinical setting where four cervical biopsies are always taken regardless of visible lesions at colposcopy.

The project was carried out by Berit Bargum Booth, who is defending her dissertation on 5th of February 2021.

The defence is public and will due to COVID-19 restrictions be conducted virtually. The defence takes place on the 5th of February 2021 at 2pm online. The link is available from Berit Bargum Booth. The title of the project is "Cervical Dysplasia – Can the diagnostic procedures be improved? Evaluation of Dynamic Spectral Imaging colposcopy in a Danish clinical setting." For more information, please contact PhD student Berit Bargum Booth, email: berit.booth@clin.au.dk, Phone +45 28587858.

Assessment committee:

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