

Press release

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Basic information

Name: Mette Schou Mikkelsen

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Department of: Clinical Medicine

Main supervisor: Professor Lene Hjerrild Iversen

Title of dissertation: Advanced stage epithelial ovarian cancer - Aspects of preoperative imaging and cytoreductive surgery with hyperthermic intraperitoneal chemotherapy (HIPEC)

Date for defence: 08.01.2021 at (time of day): 15:00-17:00 Place: Auditorium G206-142, Aarhus Universitetshospital, Palle Juul-Jensens Boulevard. 99, 8200 Aarhus N and online via Zoom.

Press release (Danish)

Epitelial æggestokkræft. Et PhD-projekt omhandlende præoperativ billeddiagnostik og operation med skylning med opvarmet kemoterapi i bughulen (HIPEC)

Hvert år rammes ca. 500 danske kvinder af æggestokkræft, hvoraf epitelial æggestokkræft er den langt hyppigste undertype. Iblandt de kvinder, der får konstateret epitelial æggestokkræft, er sygdommen hos ca. 75% fremskreden på diagnosetidspunktet og har da spredt sig diffust i bughulen og eventuelt også uden for bughulen. Prognosen er dårlig for kvinder med fremskreden sygdom, hvorfor der er behov for forskning, der har til formål at optimere diagnostik og behandling af sygdommen. Den eksisterende videnskabelige litteratur har indikeret, at operation kombineret med skylning af bughulen med opvarmet kemoterapi (HIPEC) muligvis bør have en plads i behandlingen af fremskreden æggestokkræft. I PhD-projektet er der gennemført 3 kliniske studier. Fokusområderne har været 1) evaluering af tre billeddiagnostiske undersøgelser anvendt til vurdering af sygdomsudbredning i bughulen før operation, 2) at evaluere farmakokinetikken for carboplatin anvendt til HIPEC samt 3) at undersøge komplikationer, bivirkninger og mortalitet efter operation med HIPEC.

PhD-projektet er fra Aarhus Universitet, Health og er gennemført af Mette Schou Mikkelsen, der forsvare afhandlingen d. 8. januar 2021.

Forsvaret af PhD-projektet er offentligt og vil pga COVID-19 restriktioner blive gennemført fysisk for et begrænset publikum og via Zoom. Forsvaret finder sted den 8. januar 2021 kl. 15-17 i auditorium G206-142, Aarhus Universitetshospital, Palle Juul Jensens Boulevard 99, 8200 Aarhus N. Titlen på projektet er "Epitelial æggestokkræft. Et PhD.-projekt omhandlende præoperativ billeddiagnostik og operation med skylning med opvarmet kemoterapi i bughulen (HIPEC)".

Yderligere oplysninger, tilmelding til en fysisk plads i auditoriet og link til Zoom kan fås ved kontakt til PhD-studerende Mette Schou Mikkelsen på e-mail: mettesmikkelsen@clin.au.dk, tlf. +45 51200373.

Bedømmelsesudvalg:

Professor, MD, DMSc Jørgen Bjerggaard Jensen - Formand for bedømmelsesudvalget.
Urinvejskirurgi, Aarhus Universitetshospital, Aarhus, Danmark.

Professor, MD, PhD Kjersti Flatmark.
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Professor, MD, PhD Karina Dahl Steffensen.

Onkologisk afdeling, Syddansk Universitetshospital - Sygehus Lillebælt, Vejle, Danmark

Press release (English)

Advanced stage epithelial ovarian cancer - Aspects of preoperative imaging and cytoreductive surgery with hyperthermic intraperitoneal chemotherapy (HIPEC)

Each year approximately 500 Danish women are diagnosed with ovarian cancer, among which epithelial ovarian cancer (EOC) is the far most common subtype. Unfortunately, three-quarters of women diagnosed with EOC present with advanced stage disease, which is frequently characterized by diffuse peritoneal metastatic spreading. Women with advanced stage EOC have a poor prognosis, which is the main reason why research aiming to improve diagnostics and treatment of EOC is highly warranted. Existing literature indicates that cytoreductive surgery with hyperthermic intraperitoneal chemotherapy (HIPEC) might have a place in the treatment of EOC. In this PhD project three clinical studies were performed. The main topics explored within the studies were 1) preoperative imaging used for assesment of peritoneal dissemination in advanced stage EOC, 2) pharmacokinetics of carboplatin used in HIPEC, and 3) short-term morbidity and mortality after cytoreductive surgery with carboplatin HIPEC used in treatment of advanced stage EOC.

The project was carried out by Mette Schou Mikkelsen, who is defending her dissertation on 8 January 2021.

The defence is public and will due to COVID-19 restrictions be conducted physically for a limited audience and virtually via Zoom. The defence takes place on 8 January 2021 at 15-17 in auditorium G206-142, Aarhus University Hospital, Palle Juul Jensens Boulevard 99, 8200 Aarhus N. The title of the project is "Advanced stage epithelial ovarian cancer - Aspects of preoperative imaging and cytoreductive surgery with hyperthermic intraperitoneal chemotherapy (HIPEC)". For more information, registration for a seat in the auditorium and link to Zoom, please contact PhD student Mette Schou Mikkelsen, email: mettesmikkelsen@clin.au.dk , Phone +45 51200373.

Assessment committee:

Professor, MD, DMSc Jørgen Bjerggaard Jensen - chairman of the committee and moderator of the defence

Department of Urology, Aarhus University Hospital, Aarhus, Denmark

Professor, MD, PhD Kjersti Flatmark

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