

## Press release

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### Basic information

Name: Anders Kindberg Boysen

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Department of: Clinical Medicine

Main supervisor: Karen-Lise Spindler

Title of dissertation: Colorectal cancer and oligometastatic disease. Prognostic and predictive markers

Date for defence: 13.05.2019 at (time of day): 14:00 Place: Auditorium C114-101, Aarhus University Hospital

Press release (Danish)

### Behandling af patienter med tarmkræft og begrænsede metastaser

Kræft i tyk - og endetarm er en af de hyppigste og mest alvorlige kræftformer i Danmark og i resten af verden. I Danmark diagnosticeres næsten 5000 nye tilfælde årligt og cirka halvdelen af patienterne vil på et tidspunkt udvikle spredning af sygdommen (metastaser). Nogle patienter har begrænset udbredning af metastaserne (oligometastaser) og behandlingen af disse patienter beskrives i et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af Anders Kindberg Boysen, der forsvare det d. 13/05 2019.

I den første del af ph.d.-projektet beskrives de danske erfaringer med behandling af denne patientgruppe, via data fra de danske landsdækkende registre. Her demonstreres det at brugen af både operationer, varmebehandlinger (ablation) og strålebehandlinger er steget meget fra 2000 til 2013. I anden del af projektet undersøges værdien af frit DNA i blodbanen som markør for denne patientgruppe. En ny metode til måling af DNA i blodbanen beskrives og ved hjælp af denne metode påvises det at det totale niveau af DNA i blodet har betydning for patienternes prognose.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 13. maj 2019 kl.14 på Aarhus Universitetshospital, indgang C, auditorium C114-101, Palle Juul-Jensens Boulevard 99, Indgang C, plan 1, 8200 Aarhus. Titlen på projektet er "Colorectal cancer and oligometastatic disease. Prognostic and predictive markers".

Yderligere oplysninger: Ph.d.-studerende Anders Kindberg Boysen, e-mail: andboy@rm.dk, tlf. 22868621.

Bedømmelsesudvalg:

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Press release (English)

### Treatment of patients with colorectal cancer and a limited extent of metastases

Colorectal cancer is one of the most common and lethal malignancies with close to 5000 new cases yearly in Denmark. Close to 50% of patients with colorectal cancer develop distant metastases and selected patients with few metastases (oligometastases) might by candidates for local treatment. This

new PhD project describes this group of patients and has been carried out by Anders Kindberg Boysen, who is defending his dissertation on 13/05 2019.

During these PhD studies, 13 years of nationwide experiences with these patients are described using the Danish medical registries, and a marked increase in the use of resection, ablation and radiotherapy is demonstrated. Hereafter, the role of circulating DNA for these patients is analysed. A new laboratory method for quantification of cell free DNA is described and we demonstrate that cell free DNA might be a useful tool for treatment guidance for these patients.

The defence is public and takes place on May 13th 2019 at 14:00 at Aarhus University Hospital, Palle Juul-Jensens Boulevard 99, Entrance C, 1. floor, Auditorium C114-101, 8200 Aarhus N. The title of the project is "Colorectal cancer and oligometastatic disease. Prognostic and predictive markers". For more information, please contact PhD student Anders Kindberg Boysen, email: andboy@rm.dk, Phone +45 22868621.

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