Press release

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Basic information

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Department of: Clinical Medicine

Main supervisor: Professor Francesco Annibale D'Amore

Title of dissertation: Transformation of Follicular Lymphoma: Identifying Clinico-pathological Features with Predictive, Prognostic and Therapeutic Relevance

Date for defence: 1th of February at (time of day): 14.00 Place: Auditorium A, Aarhus University Hospital, Palle Juul Jensens Boulevard 99, entrance G6

Press release (Danish)

'Transformation' af follikulært lymfom - fra langsomt voksende til hurtigt voksende lymfekræft. Identifikation af risikofaktorer og prognostiske makører

I et nyt ph.d.-projekt fra Aarhus Universitet, Health har forskere undersøgt faktorer som kan have indflydelse på forløbet og prognosen før og efter transformation af lymfekræft af typen follikulært lymfom. Projektet er gennemført af Charlotte Madsen, der forsvarer det d. 1./2-2019.

Follikulært lymfom er en langsomt voksende lymfekræft med et fredeligt klinisk forløb og en median overlevelse på 10-12 år. En del af patienterne oplever imidlertid ændring af deres sygdomsforløb fordi lymfekræften ændrer karakter og bliver meget mere aggressivt og hurtigt voksende, såkaldt transformation. Det resulterer ofte i symptomatisk sygdom og komplikationer, ringe respons på behandling og kortere overlevelse. Transformationsfænomenet er indtil videre sparsomt beskrevet og der er endnu ikke påvist pålidelige kliniske eller biologiske markører, som kan forudse risiko for transformation. Ved hjælp af data fra de internationalt anerkendte danske databaser og arkivvævsprøver, har forskerne beskrevet transformeret follikulært lymfom nærmere, både før og efter transformationstidspunktet og set i forhold til de forskellige behandlingsstrategier i tidens løb. De har identifiseret risikofaktorer for undvikling af mere agressiv sygdom og fundet en forskel i proteinudtrykket i celler fra follikulært lymfom som aldrig transformerer og follikulært lymfom der senere undergår transformation. På den mådebidrager projektet til forståelsen af transformationsfænomenet og muliggør mere individualiseret og målrettet behandling og mere effektiv forebyggelse af transformation.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 1/2-2019 kl. 14.00 i auditorium A, Aarhus Universitetshospital, Palle Juul Jensens Boulevard 99, Aarhus N, Indgang G6. Titlen på projektet er "Transformation of Follicular Lymphoma: Identifying Clinico-pathological Features with Predictive, Prognostic and Therapeutic Relevance". Yderligere oplysninger: Ph.d.-studerende Charlotte Madsen, e-mail: chrmds@rm.dk, tlf. 61515869.

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Press release (English)

'Transformation' of follicular lymphoma - from indolent to aggressive cancer of the lymph nodes. Identifying potential risk factors and prognostic markers

In a new PhD project from Aarhus University, Health, researchers have investigated potential novel prognostic clinical and molecular features of a subtype of malignant lymphoma - follicular lymphoma. The project was carried out by Charlotte Madsen, who is defending her dissertation on February 1st 2019.

Follicular lymphoma is one of the most common lymphomas in Denmark and Western countries in general. FL is still regarded as an incurable condition with a natural history of recurrent relapses, and the majority of patients have disseminated disease at the time of diagnosis. Nevertheless, follicular lymphoma is considered a low-grade, slow growing lymphoma with an indolent clinical course, and with a satisfactory response to treatment. However, in a subset of patients, this changes to a more aggressive behaviour manifested by a rapid clinical course, treatment refractoriness and shortened survival, an event referred to as transformation. Using data from the internationally recognised population-based Danish databases and tissue archives, the researchers have described transformation occurring in follicular lymphoma from an epidemiological, clinic-pathological and prognostic point of view. They have identified specific risk factors for transformation and found different protein expression patterns in follicular lymphoma with and without subsequent transformation. Anticipating patients at risk of transformation with greater specificity and sensitivity will allow more targeted treatment strategies and thus potentially improve the prognosis for patients.

The defence is public and takes place on February 1th 2019 in Auditorium A, Aarhus University Hospital, Palle Juul Jensens Boulevard 99, Aarhus N, Entrance G6. The title of the project is ”Transformation of Follicular Lymphoma: Identifying Clinico-pathological Features with Predictive, Prognostic and Therapeutic Relevance”. For more information, please contact PhD student Charlotte Madsen, email: chrmds@rm.dk, Phone +45 61515869.

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