

## Press release

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### Basic information

Name: Ditte Juel Adolfsen Løhmann      Email: [dadolfsen@gmail.com](mailto:dadolfsen@gmail.com) Phone: +45 26851416

Department of: Clinical Medicine

Main supervisor: Professor Henrik Hasle, MD PhD

Title of dissertation: Severe Toxicity during Chemotherapy Treatment for Pediatric Acute Myeloid Leukemia

Date for defence: Wednesday May 9th 2018 at (time of day): 14h00 Place: Søauditorierne – Merete Barker (building 1253, room 211), Bartholins Allé 3, 8000 Aarhus C

Press release (Danish)

Overvægtige børn har større risiko for livstruende bivirkninger under behandlingen for akut myeloid leukæmi

Overvægtige børn, og børn over 10 år får flere alvorlige bivirkninger af høj-dosis høj-intensiv kemoterapi som bruges i behandlingen af akut myeloid leukæmi (knoglemarvskræft). Også børn med en meget hæmmet knoglemarv ved begyndelsen af deres behandling, har en større risiko for bivirkninger og tilbagefald i deres sygdom end andre. Dette er blandt hovedresultaterne i en ny ph.d.-afhandling fra Aarhus Universitet, Health, som kan få betydning for muligheden for at skræddersy behandling i fremtiden, så livstruende bivirkninger måske helt kan undgås. Afhandlingen er gennemført af læge og ph.d.-studerende Ditte Juel Adolfsen Løhmann, der forsvarede den d. 9. maj 2018.

Afhandlingen er baseret på registrering af bivirkninger under patienternes behandling. Projektet er en del af et internationalt samarbejde mellem de nordiske lande, Hong Kong, Belgien, Holland og Canada.

Forsvaret af ph.d.-afhandlingen er offentligt og finder sted den 9. maj 2018 kl. 14.00 i Søauditorierne - Merete Barker (bygning 1253, lokale 211), Aarhus Universitet, Bartholins Allé 3, 8000 Aarhus C. Titlen på afhandlingen er "Severe Toxicity during Chemotherapy Treatment for Pediatric Acute Myeloid Leukemia". Yderligere oplysninger: Ph.d.-studerende Ditte Juel Adolfsen Løhmann, e-mail: [dadolfsen@gmail.com](mailto:dadolfsen@gmail.com), tlf. 26851416.

Bedømmelsesudvalg:

Professor Thomas Lehrnbecher, MD, PhD

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Associate professor Jan Maxwell Nørgaard, MD, PhD, DMSc (Formand for komiteen)

Department of Hematology  
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Professor Henrik Hasle, MD, PhD (Hovedvejleder og ikke-stemmeberettiget medlem af komiteen)  
Department of Pediatrics and Adolescent Medicine

Aarhus University Hospital

Press release (English)

Overweight children have higher risk of life-threatening side effects during treatment for acute myeloid leukemia

Overweight children and children above 10 years of age experience more severe side effects from the highly intensive treatment used to cure acute myeloid leukemia (bone marrow cancer). Additionally, patients with a highly inhibited bone marrow at the beginning of therapy have a higher risk of severe side effects and recurrence of the disease compared to others. These are among the main results of a new PhD study from Aarhus University, Health which will aid the effort of individualizing treatment for each child, and in turn minimizing or perhaps even avoiding life-threatening side effects. The PhD study was carried out by doctor and PhD student Ditte Juel Adolfsen Løhmann, who is defending her dissertation on Wednesday May 9th 2018.

The PhD study is based on a registration of side effects during treatment. The study is part of an international cooperation between the Nordic countries, Hong Kong, Belgium, the Netherlands and Canada.

The defence is public and takes place on Wednesday May 9th 2018 at 14h00 in Søauditorierne - Merete Barker (building 1253, room 211), Aarhus Universitet, Bartholins Allé 3, 8000 Aarhus C. The title of the dissertation is "Severe Toxicity during Chemotherapy Treatment for Pediatric Acute Myeloid Leukemia". For more information, please contact PhD student Ditte Juel Adolfsen Løhmann, email: dadolfsen@gmail.com, Phone +45 26851416.

Assessment committee:

Professor Thomas Lehrnbecher, MD, PhD

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Associate Professor Sarah Alexander, MD, PhD

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Associate professor Jan Maxwell Nørgaard, MD, PhD, DMSc (Chairman of the committee)

Department of Hematology  
Aarhus University Hospital

Professor Henrik Hasle, MD, PhD (Main supervisor and non-voting member of the committee)

Department of Pediatrics and Adolescent Medicine  
Aarhus University Hospital

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