

## Press release

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### Basic information

Name: Kasper Lolk                      Email: Lolk@econ.au.dk Phone: 24266660

Department of: Clinical Medicine

Main supervisor: Jakob Christensen

Title of dissertation: Traumatic Brain Injury and Risk of Epilepsy

Date for defence: 16/9/2022 at (time of day): 14.00 Place: Eduard Biermann auditoriet, AU

Press release (Danish)

Hvem udvikler epilepsi efter traumatisk hjerneskade?

Det er velkendt at epilepsi kan opstå som konsekvens af et hovedtraume, herunder efter en hjernerystelse. Det er dog uklart hvorfor nogle udvikler epilepsi efter et hovedtraume, mens andre ikke gør. Epilepsi er forbundet med store personlige og samfundsmæssige omkostninger, og det er afgørende at få ny indsigt i de underliggende årsager til udvikling af epilepsi for at kunne reducere risikoen for epilepsi hos personer med hovedtraumer.

I et nyt ph.d.-projekt fra Aarhus Universitet, Health, undersøges risikoen for at udvikle epilepsi efter et eller flere hovedtraumer, og hvordan denne risiko varierer i forhold til køn, alder, sværhedsgrad af og tiden siden traumet. Det undersøges desuden hvordan risikoen for epilepsi efter et hovedtraume afhænger af psykisk sygdom, familiehistorie med epilepsi, fødselskarakteristika, samt traume-induceret stroke. Projektet er gennemført af Kasper Lolk, der forsvare det d. 16/9 2022.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 16. september kl. 14.00 i bygning 1252, lokale 204, Eduard Biermann auditorium, Aarhus Universitet, Bartholins Allé 3, Aarhus C. Titlen på projektet er "Traumatisk hjerneskade og risikoen for epilepsi".

Yderligere oplysninger: Ph.d.-studerende Kasper Lolk, e-mail: Lolk@econ.au.dk, tlf. 24266660.

Bedømmelsesudvalg:

Lektor Dorte Rytter, MD, PhD, Institut for Folkesundhed - Epidemiologi, Aarhus Universit, Aarhus, Danmark

Lektor Johan Zelano, MD, PhD, Department of Clinical Neuroscience, University of Gothenburg, Göteborg, Sweden

Professor Michael Eriksen Benros, MD, PhD, Biological and Precision Psychiatry, Copenhagen Research Centre for Mental Health, Mental Health Centre Copenhagen, Copenhagen University Hospital, Copenhagen, Denmark

Press release (English)

Who develops epilepsy after traumatic brain injury?

It is well known that epilepsy can occur as a consequence of head trauma, including concussion. However, it is unclear why some go on to develop epilepsy after head trauma while others do not. Epilepsy is associated with great personal and societal costs, and it is crucial to gain new insight into the underlying causes of the development of epilepsy in order to reduce the risk of epilepsy in people with head trauma.

In a new PhD project from Aarhus University, Health, the risk of developing epilepsy after one or more head traumas is studied, and how this risk varies according to sex, age, severity of and time since

the trauma. It is also investigated how the risk of epilepsy after head trauma depends on mental illness, family history of epilepsy, birth characteristics and trauma-induced stroke. The project has been completed by Kasper Lolk, who will defend it on 16/9 2022.

The defence is public and takes place on 16<sup>th</sup> September 2022 at 2 pm in building 1252, room 204, Eduard Biermann auditorium, Aarhus University, Bartholins Allé 3, Aarhus C. The title of the project is "Traumatic Brain Injury and Risk of Epilepsy". For more information, please contact PhD student Kasper Lolk, email: Lolk@econ.au.dk, Phone +45 2426 6660.

**Assessment committee:**

Associate Professor Dorte Rytter, MD, PhD, Department of Public Health - Epidemiology, Aarhus University, Aarhus, Denmark

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