

## Press release

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### Basic information

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Department of: Clinical Medicine

Main supervisor: Professor Alma B Pedersen, MD, PhD, Department of Clinical Epidemiology, Aarhus Universitets Hospital, Danmark

Title of dissertation: The impact of socioeconomic status on total hip arthroplasty - utilization and postoperative complications

Date for defence: 26. November, 2021 at (time of day): 11.00 Place: Department of Clinical Epidemiology, Olof Palmes Alle 43-45, Aarhus N

Press release (Danish)

Forskere fra Aarhus Universitet har undersøgt, hvordan social ulighed påvirker patienter med hofteproteser.

Operation med indsættelse af en hofteprotese er et effektivt indgreb i forhold til at reducere smerter samt øge funktionsniveauet og livskvaliteten hos patienter med osteoartrose. Der er dog stor forskel på, hvor tilfredse patienterne er efter indgrebet, da nogle oplever bivirkninger eller får et utilfredsstillende resultat. Forskere fra Aarhus Universitet har brugt data fra danske registre, hospitaler og apoteker til at belyse, hvorvidt resultatet påvirkes af social ulighed. De har undersøgt, hvem der får tilbudt en hofteprotese, hvem der bliver reopereret pga. komplikationer, hvem der får infektioner efter operationen, og hvem der får hjertekarsygdomme efter operationen. Projektet omfatter alle patienter, som fik en hofteprotese fra 1995 til 2017. Nyligt offentliggjorte resultater fra projektet viser, at der er social ulighed i forhold til de fleste undersøgte parametre, og at de mest udsatte grupper måske er oversete i forhold til opfølgning på sygehusene. De resterende resultater er ikke offentliggjorte endnu, men vil blive diskuteret ved et ph.d.-forsvar på Aarhus Universitet.

"The impact of socioeconomic status on total hip arthroplasty - utilization and postoperative complications" er et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af Nina M. Edwards, der forsvare det d. 26/11 - 2021.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 26/11 kl. 11 i auditoriet på Klinisk Epidemiologisk Afdeling, Aarhus Universitet, Olof Palmes Alle 43-45, Aarhus N. Titlen på projektet er "The impact of socioeconomic status on total hip arthroplasty - utilization and postoperative complications". Yderligere oplysninger: Ph.d.-studerende Nina M. Edwards, e-mail: [nme@clin.au.dk](mailto:nme@clin.au.dk) tlf. +45 20949606.

Bedømmelsesudvalg:

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Anette Kjær Ersbøll

Professor, PhD

Research Department for Health and Morbidity in the Population and The National Institute of Public Health, University of Southern Denmark, Odense, Denmark

Press release (English)

Danish researchers explore the impact of socioeconomic status on total hip arthroplasty.

Total hip arthroplasty (THA) is an effective procedure for reducing pain and improving quality of life for patients suffering from osteoarthritis in the hip joint. However, the quality of care and the outcomes after surgery are closely correlated to socioeconomic status (SES). Data from Danish registries offer a unique opportunity to study these associations, as data on SES exist on an individual level. Researchers used a combination of data from multiple registries and addressed socioeconomic inequalities in regard to the utilization of THA and the risk of revision, infection, and cardiovascular disease following surgery. Some of the results have recently been published and show that there is socioeconomic inequality in regards to most of the evaluated outcomes. The main findings will be revealed at a PhD defence at Aarhus University.

The project was carried out by Nina M. Edwards, who is defending her dissertation on 26. November.

The defence is public and takes place on 26 November at 11 am in the auditorium at Department of Clinical Epidemiology, Aarhus University, Olof Palmes Alle 43-45, Aarhus N. The title of the project is "The impact of socioeconomic status on total hip arthroplasty - utilization and postoperative complications". For more information, please contact PhD student Nina M. Edwards, email: [nme@clin.au.dk](mailto:nme@clin.au.dk), Phone +45 20949606.

Assessment committee:

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