

Press release

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Basic information

Name: Susan Mikkelsen Email: susan.mikkelsen@clin.au.dk Phone: +45 28458836

Department of: Clinical Medicine

Main supervisor: Christian Erikstrup, Professor, Department of Clinical Immunology, Aarhus University Hospital

Title of dissertation: Predictors of rhino-conjunctivitis and asthma with a side trip to SARS-CoV-2 seroprevalence

Date for defence: 02.09.2021 at (time of day): 14:00 Place: Auditorium OPA38, 138-101, Olof Palmes Allé 38, 8200 Aarhus N

Press release (Danish)

Prædiktorer for høfeber og astma samt forekomst af coronavirus antistoffer

Et nyt ph.d.-projekt fra Aarhus Universitet, Health, beskriver både prædiktorer for høfeber og astma blandt mere end 50.000 danske bloddonorer samt en coronavirus-antistofundersøgelse blandt 18.000 sundhedsmedarbejdere. Projektet er gennemført af Susan Mikkelsen, der forsvare afhandlingen 02/09/2021.

Astma og høfeber er almindelige kroniske sygdomme, der i alvorlige tilfælde nedsætter livskvaliteten. Der er brug for bedre forståelse af sygdommene og en stor velkarakteriseret studiepopulation er afgørende.

Ph.d.-projektet beskriver selv-rapporteret astma og høfeber i en stor kohorte af danske bloddonorer. Forekomsten af allergi og astma samt risikofaktorer, herunder effekt af alder på symptomstart, IgE sensibilisering (antistoffer imod inhalations allergener) samt ændringer i blodcelletal beskrives. Desuden identificeres deltagere med nyopstået sygdom ved en opfølgende spørgeskemaundersøgelse.

Sundhedspersonale har været nøgleaktører i coronavirus pandemien. Ph.d.-projektet inkluderer desuden en coronavirus-antistofundersøgelse blandt sundheds- og administrative medarbejdere i Region Midtjylland. Forebyggelse af smitte i denne gruppe er vigtig og studiet øger bevidstheden om de forholdsregler, der skal træffes for at undgå smitte på hospitalerne.

Forsvaret af ph.d.-projektet er offentligt og finder sted d. 02.09.2021 kl. 14 i Auditorium OPA38, 138-101. Olof Palmes Allé 38, 8200 Aarhus N. Titlen på projektet er "Predictors of rhino-conjunctivitis and asthma with a side trip to SARS-CoV-2 seroprevalence". Yderligere oplysninger: Ph.d.-studerende Susan Mikkelsen, e-mail: susan.mikkelsen@clin.au.dk, tlf. +45 28458836.

Bedømmelsesudvalg:

Hans Jürgen Hoffmann, Professor (chairman and moderator), Department of Clinical Medicine - Department of Respiratory Diseases and Allergy, Aarhus University Hospital and Aarhus University, Aarhus, Denmark

Eva Rönmark, Adjunct Professor, Department of Public Health and Clinical Medicine, The unit of Occupational and Environmental Medicine, Umeå University, Sweden

Allan Linneberg, Director, Professor, Center for Clinical Research and Prevention, Bispebjerg and Frederiksberg Hospital, Frederiksberg, Denmark påfører de tre medlemmer af udvalget med navn, titel og arbejdssted

Press release (English)

Predictors of hay fever and asthma and a coronavirus antibody study

This PhD is both covering studies of predictors of hay fever and asthma among more than 50,000 Danish blood donors and a coronavirus antibody study among 18,000 healthcare workers. The project was carried out by Susan Mikkelsen, who is defending her dissertation on 02/09/2021.

Asthma and hay fever are common chronic diseases and in severe cases, they cause reduced quality of life. Improved understanding of the diseases is needed and a large, well-characterized study population is crucial.

The PhD project describes self-reported asthma and hay fever in a large cohort of Danish blood donors with respect to prevalence, potential risk factors, the age effect on onset of symptoms, IgE sensitization (antibodies to inhalant allergens), and changes in blood cell counts. Furthermore, new symptomatic participants are identified in a follow-up questionnaire study.

Healthcare workers have been key players in the coronavirus pandemic. This PhD project also includes a coronavirus antibody study among health care and administrative staff in Central Denmark Region. Prevention of infection in this group is important and this study raises awareness of the precautions that should be taken to avoid in-hospital transmission.

The defence is public and takes place on 02/09/2021 at 2 p.m. at Auditorium OPA38, 138-101. Olof Palmes Allé 38, 8200 Aarhus N. The title of the project is Predictors of rhino-conjunctivitis and asthma with a side trip to SARS-CoV-2 seroprevalence. For more information, please contact PhD student Susan Mikkelsen, email: susan.mikkelsen@clin.au.dk, Phone +45 28458836.

Assessment committee:

Hans Jürgen Hoffmann, Professor (chairman and moderator), Department of Clinical Medicine - Department of Respiratory Diseases and Allergy, Aarhus University Hospital and Aarhus University, Aarhus, Denmark

Eva Rönmark, Adjunct Professor, Department of Public Health and Clinical Medicine, The unit of Occupational and Environmental Medicine, Umeå University, Sweden

Allan Linneberg, Director, Professor, Center for Clinical Research and Prevention, Bispebjerg and Frederiksberg Hospital, Frederiksberg, Denmark
påfø de tre medlemmer af udvalget med navn, titel og arbejdssted

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