Media release

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Basic information

Name: Nina Viskum Hogaard Email: nvh@clin.au.dk Phone: 30221077

Department of: Public Health

Main supervisor: Sune Leisgaard Mørck Rubak

Title of dissertation: Increased ventilation as an intervention in homes of asthmatic children

Date for defence: 18.01.17 at (time of day): 14.30 Place: Samfundsmedicinsk Auditorium, building 1262. Bartholins Alle 4, 8000 Aarhus C

Media release (Danish)

Et øget luftskifte i børneværelset sænker luftfugtigheden, men giver ikke bedre astma kontrol efter 9 måneder.

Et nyt ph.d.-projekt fra Aarhus Universitet, Health viser at øget ventilation i børneværelset gennem 9 måneder sænker luftfugtigheden i rummet, men synes ikke at mindsker behovet for astma medicin hos børn med husstøvmideallergi og astma. Projektet er gennemført af Nina Viskum Hogaard, der forsvarer sin afhandling d. 18/01.

Allergener og andre partikler i indeklimaet kan påvirke børn med astma. Disse partikler kan ophobes i hjem hvor luftskiftet er lavt. I Ph.d.-projektet undersøgtes effekten af 9 måneders øget luftskifte i børneværelset hos børn med husstøvmide allergi og astma og man fandt at luftfugtigheden faldt i værelset. Der var en tendens henimod et fald i husstøvmideniveauet samt i allergen- og partikelkoncentrationen, men det var ikke signifikant. Grundet få deltagere i studiet er det ikke muligt at komme med stærke konklusioner omkring effekt på astma medicinbehov, men der så ikke ud til at være en positiv effekt af 9 måneders øget luftskifte.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 18/01 kl. 14.30 i Samfundsmedicinsk auditorium, Aarhus Universitet, Bartholins Allé 4, 8000 Århus C. Titlen på projektet er "Increased ventilation as an intervention in homes of asthmatic children". Yderligere oplysninger: Ph.d.-studerende Nina Viskum Hogaard, e-mail: nvh@clin.au.dk.

Media release (English)

An increased air change rate in the bedroom reduces indoor humidity, but does not increase asthma control in children after 9 months.

A new PhD project from Health, Aarhus University, shows that 9 months of increased ventilation decreases indoor humidity but does not seem to decrease children's need for asthma medication. The project was carried out by Nina Viskum Hogaard who is defending her dissertation on Jan 18th.

Allergens and other particles in the indoor air may trigger symptoms in children with asthma. The concentration of particles can accumulate in homes with low ventilation rates. This ph.d.-project investigated the effect of 9 months of increased ventilation in the bedroom of asthmatic, house dust mite allergic children and found a decrease in indoor humidity during winter-time. There was a tendency toward a reduction in house dust mite levels and allergen- and particle concentrations, but the reductions were not significant. Due to a low number of participants in the study it was not possible to draw strong conclusions, but a positive effect on children's need for asthma medication was not seen.

The defense is public and takes place on Jan 18th at 2.30 p.m. in Samfundsmedicinsk auditorium, Aarhus University, 8000 Aarhus C. The title of the project is “Increased ventilation as an intervention in homes of asthmatic children”. For more information, please contact PhD student Nina Viskum Hogaard, nvh@clin.au.dk.

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