

Press release

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Basic information

Name: Mette Tranberg Email: mettrani@rm.dk Phone: +45 784 20264

Department of: Clinical Medicine

Main supervisor: Berit Andersen

Title of dissertation: Improving cervical cancer prevention by introducing HPV self-sampling to non-participants in the Danish cervical cancer screening program

Date for defence: 20 April 2018 at (time of day): 14.00 Place: Auditorium, entrance 9, Randers Regional Hospital, Skovlyvej 9, 8930 Randers NØ

Press release (Danish)

Forebyggelse af livmoderhalskræft ved at tilbyde ikke-deltagende kvinder i screening mulighed for at tage en hjemmeopsamlet prøve til undersøgelse for HPV.

Det danske screeningsprogram for livmoderhalskræft er udfordret af manglende screeningsdeltagelse. Dette ses ved, at 45 % af alle livmoderhalskræfttilfælde forekommer hos kvinder, som ikke har deltaget regelmæssigt i screening. Mette Tranberg har i sin ph.d. afhandling undersøgt, om screeningsdeltagelsen kan øges ved at tilbyde ikke-deltagende kvinder et prøvesæt, som gør det muligt at tage en vaginal prøve i hjemmet og dernæst sende prøven til undersøgelse for human papillomavirus (HPV) på laboratoriet (hjemmeopsamlet prøve). Dette blev undersøgt i et lodtrækningsforsøg inkluderende kvinder i alderen 30-64 år, som var bosiddende i Region Midtjylland. Kvinderne var ikke blevet screenet hos egen læge på trods af invitation og første påmindelse og skulle derfor modtage deres anden påmindelse. De blev inddelt til 1) et prøvesæt sendt direkte til kvindens hjem ("directly mailed"-gruppe), 2) en invitation til at rekvirere prøvesættet ("opt-in"-gruppe), eller 3) vanlig anden påmindelse om screeningsundersøgelse hos egen læge (kontrolgruppe)

Deltagelsen var signifikant højere i "directly mailed"-gruppen, og interventionen fik flere kvinder som ikke tidligere havde deltaget i screening til at deltage end i "opt-in"- og kontrolgruppen. Resultaterne viste, at vi ved at tilbyde ikke-deltagende kvinder en hjemmeopsamlet prøve som et alternativ til undersøgelsen hos egen læge, kan få ca. 2.500 flere inviterede kvinder til at deltage i screening for livmoderhalskræft om året i Region Midtjylland, forudsat at prøvesættet sendes direkte til kvinden. Dette er ny viden som har potentialet til at forbedre forebyggelsen af livmoderhalskræft. Disse resultater er fremkommet via et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af Mette Tranberg, der forsvare sin afhandling d. 20 april 2018

Forsvaret af ph.d.-projektet er offentligt og finder sted den 20 april 2018 kl. 14 i Auditoriet, indgang 9, Regionshospitalet Randers, Skovlyvej 9, 8930 Randers NØ. Titlen på projektet er "Forebyggelse af livmoderhalskræft ved at tilbyde ikke-deltagende kvinder i screening mulighed for at tage en hjemmeopsamlet prøve til undersøgelse for HPV". Yderligere oplysninger: Ph.d.-studerende Mette Tranberg, e-mail: mettrani@rm.dk, tlf. 784 20264.

Bedømmelsesudvalg:

Pinar Bor, MD, ph.d., klinisk lektor (formand), Obstetrisk- Gynækologisk afdeling, Regionshospitalet Randers, Danmark

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Press release (English)

Improving cervical cancer prevention by introducing HPV self-sampling to non-participants in the Danish cervical cancer screening program

The Danish cervical cancer screening program is challenged by insufficient participation as 45% of all cervical cancer cases are found among underscreened women. Mette Tranberg has in her PhD dissertation investigated if it is possible to increase screening participation by giving non-participants the opportunity to collect a vaginal self-sample in their own home and send the sample to the laboratory for human papillomavirus (HPV) testing (HPV self-sampling). This was investigated in a randomized controlled trial including women aged 30-64 from the Central Denmark Region. These women had not participated in screening despite an invitation and one reminder and were due to receive their second reminder. They were randomized to 1) self-sampling kit mailed directly to their homes (directly mailed group), 2) an invitation to order the kit (opt-in group), or 3) the standard second reminder to attend regular cytology screening (control group).

The directly mailed intervention produced a significantly higher participation and made more unscreened women re-engage in screening than the opt-in and control groups did. Findings showed that offering non-participants the opportunity of HPV self-sampling as an alternative to regular cytology screening by the doctor might lead to about 2,500 more invited women attending screening annually in the Central Denmark Region provided that the kit is mailed directly to the women. This new knowledge has the potential to improve cervical cancer prevention. These results are obtained in a new PhD project from Aarhus University, Health. The project was carried out by Mette Tranberg, who is defending her dissertation on the 20 April 2018.

The defence is public and takes place on 20 April 2018 at 14.00 in the Auditorium, entrance 9, Randers Regional Hospital, Skovlyvej 9, 8930 Randers NØ. The title of the project is "Improving cervical cancer prevention by introducing HPV self-sampling to non-participants in the Danish cervical cancer screening program". For more information, please contact PhD student Mette Tranberg, email: mettrani@rm.dk. Phone +45 784 20264.

Assessment committee:

Pinar Bor, MD, PhD, Clinical Associate Professor (chairman), Department of Obstetrics and Gynecology, Randers Regional Hospital, Denmark

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