Media release

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Basic information

Name: Anne Ramlov Email: anraml@rm.dk Phone: +45 51920281

Department of: Clinical Medicine

Main supervisor: Jacob Christian Lindegaard

Title of dissertation: "New avenues for improving intensity modulated radiotherapy and volumetric arc therapy for advanced cervical cancer – with focus on regional nodal control"

Date for defence: January 31th at (time of day): 14.00 Place: Merete Barker auditorium, Lakeside Auditorium (Building 1253-211), Vennelyst Boulevard 8, Aarhus University, 8000 Aarhus C

Media release (Danish)

Ny viden om behandlingen af lymfeknudemetastaser kan medvirke til at optimere strålebehandlingen af kvinder med livmoderhalskræft

Et nyt ph.d.-projekt fra Aarhus Universitet, Health har undersøgt den optimale strålebehandling af lymfeknudemetastaser hos kvinder med lokalavanceret livmoderhalskræft. Studiet viser, at brug af 55-60 Gy giver en god kontrol af de strålebehandlede lymfeknuder. Imidlertid viser studiet også, at størsteparten af sygdomstilbagefald i lymfeknuderne sker lige over det strålebehandlede område.

Studiet har endvidere undersøgt en ny moderne teknik til en mere skånsom strålebehandling af lymfeknuderne, som har medført en reduktion i medbestrålingen af det omgivne normalvæv.

Endeligt har studiet undersøgt risikoen for stråleinduceret fraktur i bækkenet efter behandling for livmoderhalskræft og vist, at frakturer er en hyppig bivirkning hos kvinder over 50 år. Projektet er det første, som har vist en sammenhæng mellem stråledosis til bækkenknoglerne og risikoen for en efterfølgende fraktur.

Den viden, der er opnået i ph.d. projektet har ført til ændringer i den måde, strålebehandling leveres på ved patienter behandling på Aarhus Universitetshospital og resultaterne er implementeret i et stort internationalt studie.

Projektet er gennemført af læge Anne Ramlov, der forsvarer det d. 31. januar.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 31/1 kl. 14 i Merete Barker auditorium , Aarhus Universitet, Vennelyst Boulevard 8, 8000 Arhus C. Titlen på projektet er "New avenues for improving intensity modulated radiotherapy and volumetric arc therapy for advanced cervical cancer – with focus on regional nodal control". Yderligere oplysninger: Ph.d.-studerende Anne Ramlov, e-mail: anraml@rm.dk, tlf. 51920281.

Media release (English)

New knowledge on the treatment of lymph node metastases can help improve radiotherapy treatment of women with cervical cancer

A new PhD. project from Aarhus Univeristy Health has investigated the optimal radiotherapy treatment of lymph node metastases in women with locally advanced cervical cancer. The study demonstrates that a dose of 55-60 Gy lead to a good control of the irradiated lymph nodes. However, the study also shows that the majority of nodal failures occurs just above the irradiated area.

The study has also investigated a new modern technique for a more gentle radiotherapy technique of the lymph nodes, which has lead to a reduction in the irradiation of the surrounding normal tissue.

Finally, the study investigated the risk of irradiation induction pelvic fracture after treatment for cervical cancer and demonstrated, that fractures are a common side effect in women above 50 years. The project is the first to show a relation between radiotherapy dose to the pelvic bones and the risk for a subsequent fracture.

The knowledge obtained in the PhD project has lead to changes in the way, radiotherapy is delivered at Aarhus University Hospital and the results have been implemented in a large internation study.

The project was carried out by MD Anne Ramlov, who is defending her dissertation on January 31th.

The defence is public and takes place on 01/31 at 14 o clock in Merete Barker auditorium, Lakeside Theather, Aarhus University, Vennelyst Boulevard 8, 8000 Aarhus C. The title of the project is "New avenues for improving intensity modulated radiotherapy and volumetric arc therapy for advanced cervical cancer – with focus on regional nodal control" . For more information, please contact PhD student Anne Ramlov, email: anraml@rm.dk, Phone +45 51920281.

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