

Press release

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Basic information

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Department of: Clinical Medicine

Main supervisor: Søren Laurberg

Title of dissertation: Aspects of fertility in patients with restorative proctocolectomy for ulcerative colitis

Date for defence: 23-05-19 at (time of day): 15:00 Place: Aud. C114-101, Indgang C, Plan 1, Skejby Sygehus

Press release (Danish)

Fertilitetsaspekter hos patienter med restorativ proktokolektomi grundet colitis ulcerosa

Hvordan påvirker operation for blødende tyktarmsbetændelse evnen til at få børn hos mænd og kvinder? Dette er forsøgt belyst i et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af Frederik Rønne Pachler, der forsvaret det d. 23/05-19

Den kroniske tarmsygdom colitis ulcerosa rammer fortrinsvis yngre mænd og kvinder, og omtrent 20% bliver opereret for deres sygdom. Hvis man ønsker rekonstruerende kirurgi er restorativ proktokolektomi i dag standarden og hos 20% af disse er der komplikationer der fører til at det tildannede reservoir ikke fungerer (failure). I denne afhandling er det undersøgt hvordan operationen og failure påvirker evnen til at få børn hos mænd og kvinder, samt betydningen af kunstig befrugtning. Afhandlingen inkluderer de første studier der har undersøgt fertilitet hos mænd, som overraskende stiger efter operation. I overensstemmelse med tidligere studier er fertiliteten nedsat hos kvinder efter kirurgi. Afhandlingen inkluderer også det første større studie der har undersøgt brug og succesen af kunstig befrugtning. Brugen er markant forøget hos kvinder efter operation og succesen den samme som i baggrundsbefolkningen. Desuden præsenteres det første studie der undersøger failure og finder at fertiliteten er nedsat hos både mænd og kvinder. Forbruget af kunstig befrugtning er uændret i forhold til kvinder uden failure, mens succesen er nedsat. Den samlede afhandling bidrager til rådgivning af patienter før og efter operation. Forsvaret af ph.d.-projektet er offentligt og finder sted den 23/05 kl. 15 i auditorium C114-101, Indgang C, Plan 1, Aarhus Universitetshospital Skejby, Palle Juul-Jensens Boulevard 99, Aarhus N. Titlen på projektet er "Aspects of fertility in patients with restorative proctocolectomy for ulcerative colitis". Yderligere oplysninger: Ph.d.-studerende Frederik Rønne Pachler, e-mail: frepac@clin.au.dk, tlf. 29782446.

Bedømmelsesudvalg: Professor Tom Öresland, MD, DMSc, Department of GI surgery, Akershus University Hospital, Oslo, Norway

Professor Niel Mortensen, MA, MBChB, MD, FRCS Eng, Hon FRCPs Glas, Hon FRCS Ed, Department of Colorectal Surgery, Oxford University Hospitals, Oxford, England

Professor Niels Ulbjerg, MD, DMSc, Department of Obstetrics and Gynaecology, Aarhus University Hospital, Aarhus, Denmark

Press release (English)

Aspects of fertility in patients with restorative proctocolectomy for ulcerative colitis

How does surgery for ulcerative colitis affect the ability to conceive in males and females? The subject is addressed in a ph.d thesis from Aarhus University. The project was carried out by Frederik Rønne Pachler, who is defending his dissertation on 23/05-19.

Ulcerative colitis primarily affects young males and females, and approximately 20% have surgery for the disease. If reconstructive surgery is desired, restorative proctocolectomy is the current standard. In those having surgery 20% will experience complications leading to failure of the constructed reservoir. In this thesis, the impact of surgery and failure on the ability to have children in males and females, including the effect of artificial reproduction. The thesis includes the first larger studies to investigate fertility in males, which surprisingly increases after surgery. In accordance with previous studies fertility is reduced in females after surgery. The thesis also includes the first larger studies on artificial reproduction. The use is markedly increased while the success is similar to the general population. Finally the first study on fertility and failure is presented, which find that fertility is reduced in males and females. The use of artificial reproduction is similar to females without failure while the success is reduced. The thesis contributes to the counseling of patients prior and after surgery. The defence is public and takes place on 23/05 at 15 in auditorium C114-101, Entrance C, Plan 1, Aarhus University Hospital, Palle Juul-Jensens Boulevard 99, Aarhus N. The title of the project is Aspects of fertility in patients with restorative proctocolectomy for ulcerative colitis. For more information, please contact PhD student Frederik Rønne Pachler, email: frepac@clin.au.dk, Phone +45 2978 2446.

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