



Universiteit
Leiden
The Netherlands

Safeguarding ovarian tissue autotransplantation in cancer patients

Peters, I.T.A.

Citation

Peters, I. T. A. (2018, January 10). *Safeguarding ovarian tissue autotransplantation in cancer patients*. Retrieved from <https://hdl.handle.net/1887/58923>

Version: Not Applicable (or Unknown)

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/58923>

Note: To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/58923> holds various files of this Leiden University dissertation.

Author: Peters I.T.A.

Title: Safeguarding ovarian tissue autotransplantation in cancer patients

Issue Date: 2018-01-10

Safeguarding ovarian tissue autotransplantation in cancer patients

Inge T.A. Peters

Safeguarding ovarian tissue autotransplantation in cancer patients

© I.T.A. Peters, 2018, Leiden, the Netherlands. All rights reserved. No parts of this thesis may be reproduced, distributed, stored in a retrieval system or transmitted in any forms or by any means without prior written permission of the author.

ISBN: 978-94-6233-825-8

Lay-out and printing by: Gildeprint – www.gildeprint.nl

Cover photo by: Julia Sudnitskaya via www.istockphoto.com

Cover artwork by: Gildeprint – www.gildeprint.nl

The research described in this thesis was financially supported by the project grant H2020-MSCA-RISE grant number 644373 – PRISAR, the European Union Seventh Framework Program FP7-ICT-2011-8 under grant agreement number 318729 (CARELOCA project), DSW Health Insurance, and the Zabawas Foundation.

Financial support by the Department of Gynecology of the Leiden University Medical Center, Chipsoft BV, 3D Histech-Sysmex, Pfizer, Teva Netherlands B.V. and Memidis was gratefully acknowledged.

Safeguarding ovarian tissue autotransplantation in cancer patients

Proefschrift

ter verkrijging van
de graad van Doctor aan de Universiteit Leiden,
op gezag van Rector Magnificus Prof. mr. C.J.J.M. Stolker,
volgens besluit van het College voor Promoties
te verdedigen op woensdag 10 januari 2018
klokke 16:15 uur

door

Inge Theodora Anne Peters

geboren op 21 augustus 1987
te Arnhem

Promotores

Prof. dr. J.B.M.Z. Trimbos

Prof. dr. C.G.J.M. Hilders

Co-promotor

Dr. P.J.K. Kuppen

Promotiecommissie

Prof. dr. V.T.H.B.M. Smit

Prof. dr. C.J.H. van de Velde

Prof. dr. S.C. Linn (NKI-AVL, Amsterdam)

Prof. dr. D.D.M. Braat (Radboud UMC, Nijmegen)

'È bello sognare di raggiungere qualcosa che si vuole,
ma è fantastico tentare di raggiungerla sul serio'

Francesco Amadori, 15 januari 1932, Cesena, Italië

Voor mijn ouders en zusjes

Table of contents

1.	General introduction and thesis outline	9
2.	Prevalence and risk factors of ovarian metastases in breast cancer patients < 41 years of age in the Netherlands: a nationwide retrospective cohort study	29
3.	Identification of cell-surface markers for detecting breast cancer cells in ovarian tissue	47
4.	Morphological and phenotypical features of ovarian metastases in breast cancer patients	63
5.	Noninvasive detection of metastases and follicle density in ovarian tissue using full-field optical coherence tomography	85
6.	General discussion and future perspectives	103

Appendices

Summary	117
Nederlandse samenvatting	123
List of abbreviations	135
Authors and affiliations	141
List of publications	145
Dankwoord	151
Curriculum Vitae	157