



The *Ferti*PROTEKT network

FertiPROTEKT
Netzwerk für fertilitätsprotektive Maßnahmen

INSELSPITAL
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Michael von Wolff

u^b

**UNIVERSITÄT
BERN**



University Women`s Hospital
Division of Gynecological Endocrinology and Reproductive Medicine

FertiPROTEKT, Oncofertility Consortium and the Danish Fertility-Preservation Networks – What Can We Learn From Their Experiences?

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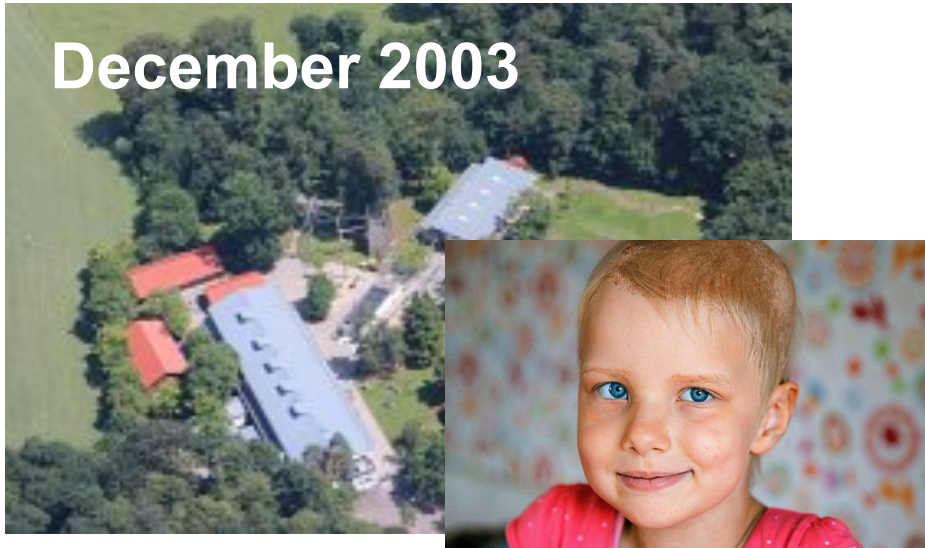


ABSTRACT: Fertility preservation is an increasingly important discipline. It requires close coordination between reproductive medicine specialists, reproductive biologists, and oncologists in various disciplines. In addition, it represents a particular health policy challenge, since fertility-protection measures are to be understood as a treatment for side effects of gonadotoxic treatments and would therefore normally have to be reimbursed by health insurance companies. Therefore, it is inevitable that fertility-preservation activities should organise themselves into a network structure both as a medical-logistic network and as a professional medical society. The necessary network structures can differ significantly at regional, national, and international level, as the size of the regions to be integrated and the local cultural and geographical conditions, as well as the political conditions are very different. To address these issues, the current review aims to point out the basic importance and the chances but also the difficulties of fertility-protection networks and give practical guidance for the development of such network structures. We will not only discuss network structures theoretically but also present them based on three established, different sized networks, such as the Danish Network (www.rigshospitalet.dk), representing a centralised network in a small country; the German-Austrian-Swiss network *FertiPROTEKT*[®] (www.fertiprotekt.com), representing a centralised as well as decentralised network in a large country; and the Oncofertility[®] Consortium (www.oncofertility.northwestern.edu), representing a decentralised, internationally oriented network, primarily serving the transfer of knowledge among its members.

KEYWORDS: fertility preservation, network, *FertiPROTEKT*, Oncofertility Consortium, ovarian tissue, transplantation

A traumatic experience..... and one of the best conferences ever.

December 2003



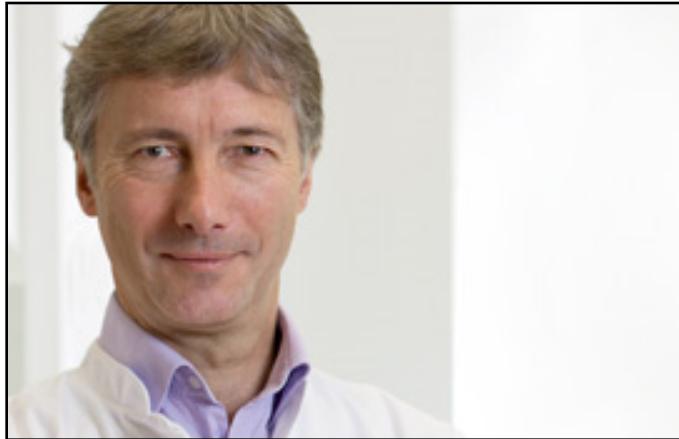
2004



**Fertility preservation
conference by Leslie
Schover?**



The initial „recipy“ of *FertiPROTEKT*.....



.... to get started



- **We created a «coalition of the willing», representatives of university hospitals.**
- **Those who performed the fertility preservation procedures got the lead: the reproductive physicians and the reproductive biologists.**

FertiPROTEKT was born in Heidelberg: May 29./30. 2006



Contents

- **The main goals / the philosophy**
- **The structure**
- **Marketing strategies**
- **Activities**
- **Services to members**
- **Achievements**
- **Difficulties**
- **Future goals and activities**

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The main goals / the philosophy to be achieved by.....

- 1. The benefit of the patient is the central issue!**
- 2. Every patient should access to get fertility preservation treatment.**
- 3. Fertility preservation procedures should not be performed to make money.**

Dedication



Motivation

**This is my son
Constantin**



*When we climbed a
mountain in Iceland,
he kept saying:*

**«You cannot climb the
ladder of success (or a
mountain) with your
hands in your
pockets»**

and

«No pain no gain»

Cooperation

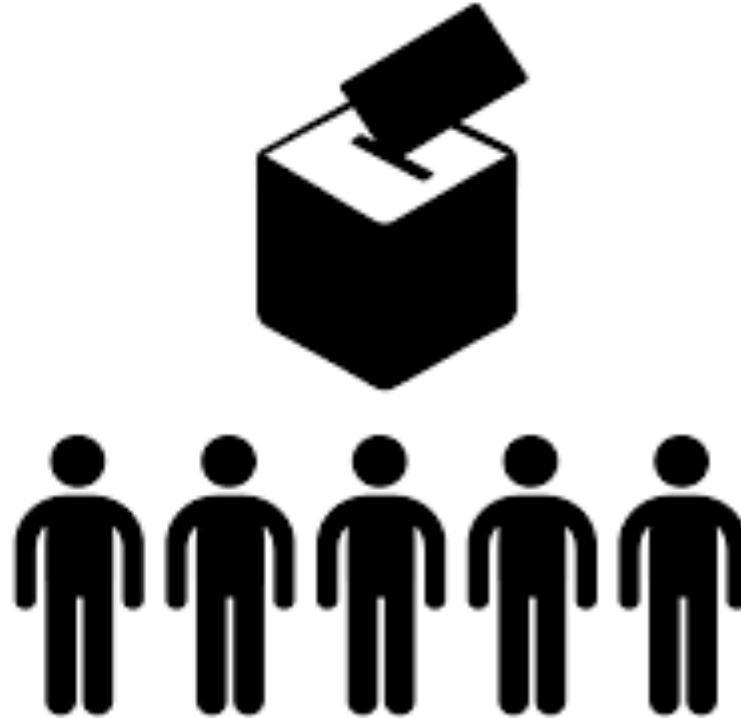
Fertil Steril. 2012 Feb;97(2):387-90. doi: 10.1016/j.fertnstert.2011.11.047. Epub 2011 Dec 16.

Live birth after ovarian tissue autotransplantation following overnight transportation before cryopreservation.

Dittrich R¹, Lotz L, Keck G, Hoffmann I, Mueller A, Beckmann MW, van der Ven H, Montag M.



Democracy



I had initiated the network and run it as a coordinator for 10y. I then stepped down, being still a member of the board, to allow others to be the «president».

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Network structures

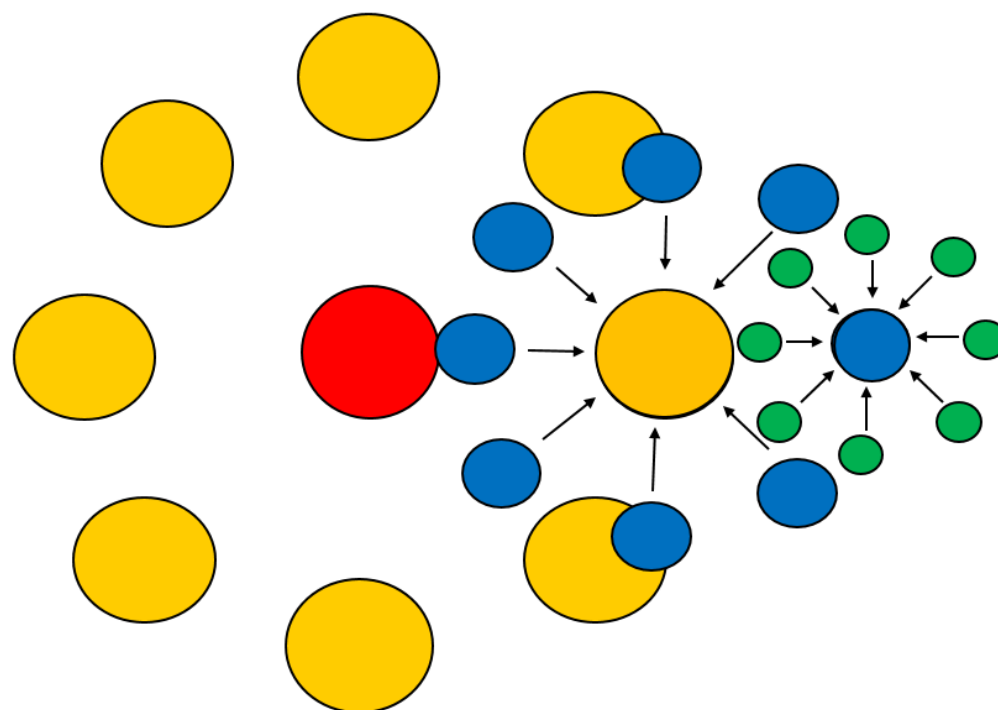
The multimodular structure of *FertiPROTEKT*

Green: Oncologists

Blue Infertility centers

Orange: Regional networks

Red: The *FertiPROTEKT* board, centralized cryobanks



von Wolff et al., Clin Med insights 2019

The countries involved



ESHRE:
Special interest
group:

- **ESHRE Pre-congress courses,**
- **Campus workshops,**
- **European registry.**

Our website (German, Englisch)



DEUTSCH ENGLISH NEWS INTRANET

WELCOME TO *FERTIPROTEKT*

in 2006, the *FertiPROTEKT* network was founded. It has meanwhile been extended to cover all German-speaking countries (Germany, Switzerland, Austria). It gives women and men facing or having gone through chemo- or radiotherapy the chance to obtain the most recent scientific advice about their fertility and the risk of pregnancy during and after it.

By contrast to men, women have no established method, e



Fertility Preservation

What is fertility preservation?



Illnesses

More and more people will have to deal with the diagnosis of a potentially life-threatening illness and its treatment during the course of their lives.



Treatment Methods

What treatment strategies exist to preserve your fertility?



Cooperating Centers and Contacts



FertiPROTEKT - The Register



FertiPROTEKT - The Network

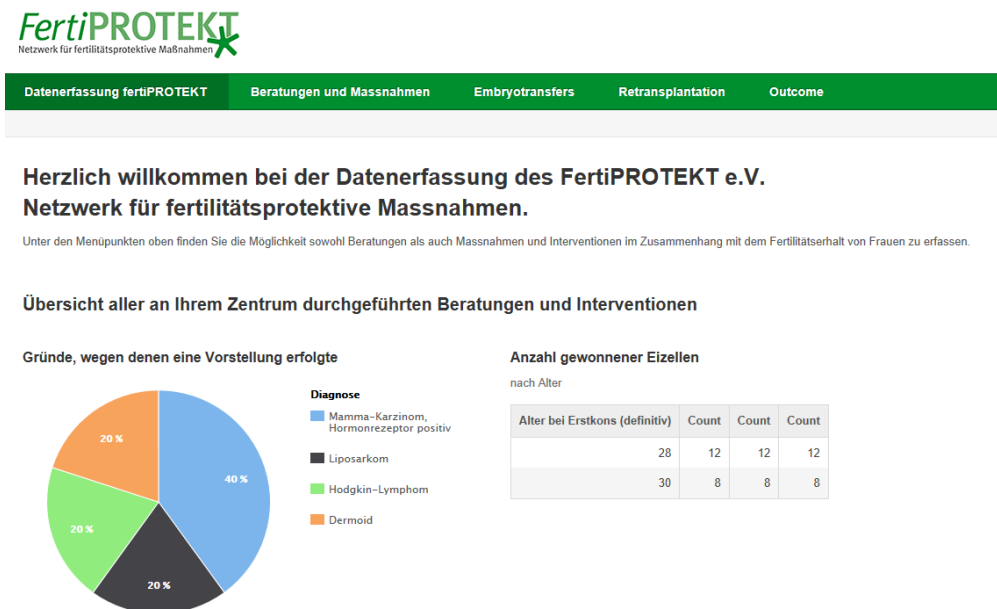
... with

- **Addresses of centers,**
- **Information for patients,**
- **Information for physicians.**

A documentation system and registry

- IVF cycles: now integrated in the national registry system.
- Ovarian tissue freezing: additional own registry.

The **FertiPROTEKT** documentation system, created by a board member free of charge.



Furthermore...

- **Board: 7 people (University reproductive physicians, Private reproductive physicians, Biologists), elected every 2 years.**
- **One administrator: 15.000 Dollar / year**
- **Center fee: 200 Dollar / year**
- **3 supporting companies, each paying 5.000 / year**
- **Annual meetings (since 2018 bi-annual) financed by companies**
- **Own published recommendations**
- **Own published book**

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Top of Europe



Top of Africa



Top of North America



Recognizable identity



- Hauptseite
- Themenportale
- Zufälliger Artikel
- Mitmachen
- Artikel verbessern



- Main page
- Contents
- Featured content
- Current events
- Random article
- Donate to Wikipedia
- Wikipedia store
- Interaction
- Help
- About Wikipedia
- Community portal
- Recent changes
- Contact page
- Tools

Artikel [Diskussion](#) [Lesen](#) [Bea](#)

Netzwerk Fertiprotekt

Das **Netzwerk Fertiprotekt** ist eine 2006 in Deutschland gegründete Kooperation und Praxen.^[1] Das Netzwerk ist inzwischen auf den gesamten deutschsprachigen vereint derzeit circa 100 Einrichtungen aus [Deutschland](#), [Österreich](#) und der [Schweiz](#).

Inhaltsverzeichnis [\[Verbergen\]](#)

- 1 Ziele
- 2 Hintergründe

Article [Talk](#)

Fertiprotekt

From Wikipedia, the free encyclopedia

The **Fertiprotekt** network is a cooperation of university centres, research and clinical institutions in Germany, [Austria](#) and [Switzerland](#).

Contents [\[hide\]](#)

- 1 Aims
- 2 Background
- 3 Activity
- 4 Problems
- 5 References
- 6 Further reading
- 7 External links

Wikipedia
U.S.

Aims [\[edit \]](#)

The aim of the network is to offer men and women the possibility



fertiprotekt

[All](#) [Maps](#) [Shopping](#) [News](#) [Images](#) [More](#) [Settings](#) [Tools](#)

About 14,300 results (0.53 seconds)

[fertiprotekt.com](#) [Translate this page](#)

FertiPROTEKT

Der **FertiPROTEKT** Netzwerk e.V. ist ein Zusammenschluss von Zentren aus Deutschland, Österreich und der Schweiz, die sich mit der Fertilitätsprotektion ...

[FertiPROTEKT - Das Netzwerk](#) · [Ansprechpartner](#) · [FertiPROTEKT - Indikation und ...](#)

[fertiprotekt.com](#) [english](#)

Welcome to FertiPROTEKT - English — FertiPROTEKT

in 2006, the **FertiPROTEKT** network was founded. It has meanwhile been extended to cover all German-speaking countries (Germany, Switzerland, Austria).



PubMed

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Format: [Summary](#) [Sort by: Most Recent](#) [Per page: 20](#)

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Best matches for fertiprotekt:

- [FertiPROTEKT, Oncofertility Consortium and the Danish Fertility-Preservation Networks - What Can We Learn From Their Experiences?](#)
von Wolff M et al. Clin Med Insights Reprod Health. (2019)
- [Practical recommendations for fertility preservation in women by the FertiPROTEKT network. Part I: Indications for fertility preservation.](#)
Schüring AN et al. Arch Gynecol Obstet. (2018)
- [Practical recommendations for fertility preservation in women by the FertiPROTEKT network. Part II: fertility preservation techniques.](#)
von Wolff M et al. Arch Gynecol Obstet. (2018)

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Search results

Items: 1 to 20 of 25

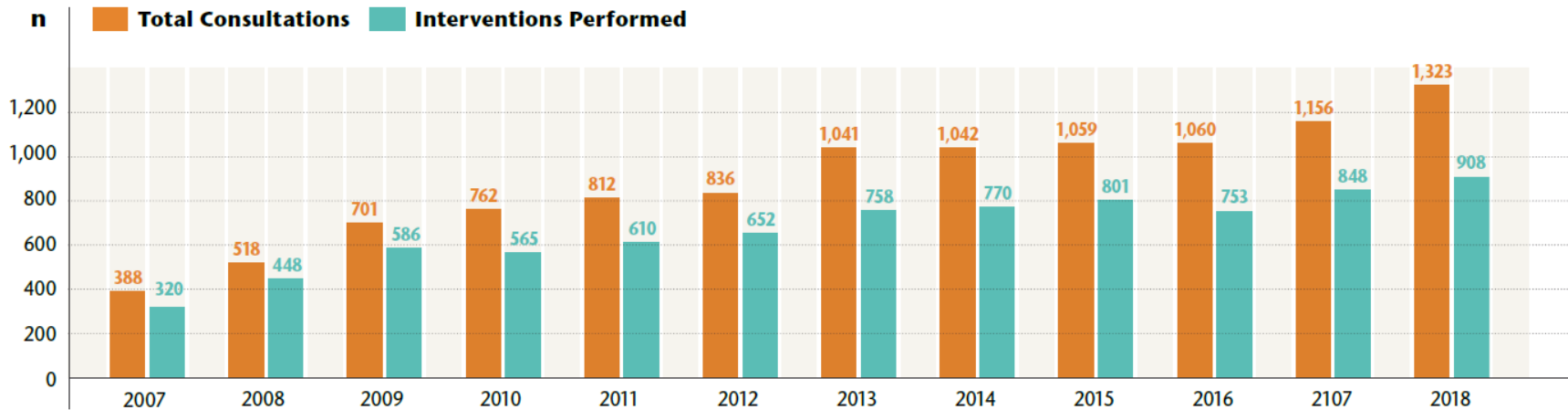
<< First < Prev Page **1** of 2 Next > Last >>

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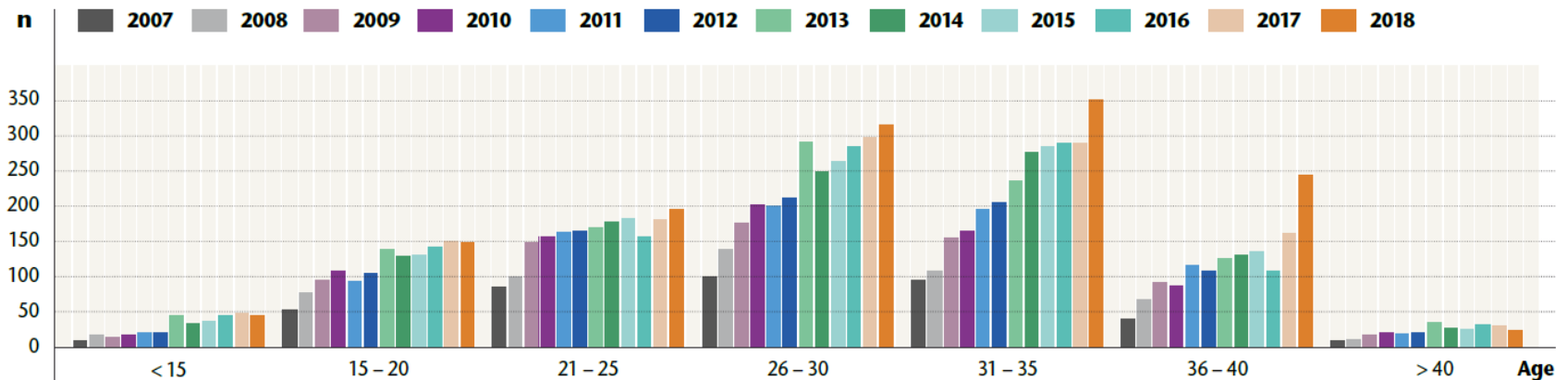
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Registry data - women

Consultations and Interventions

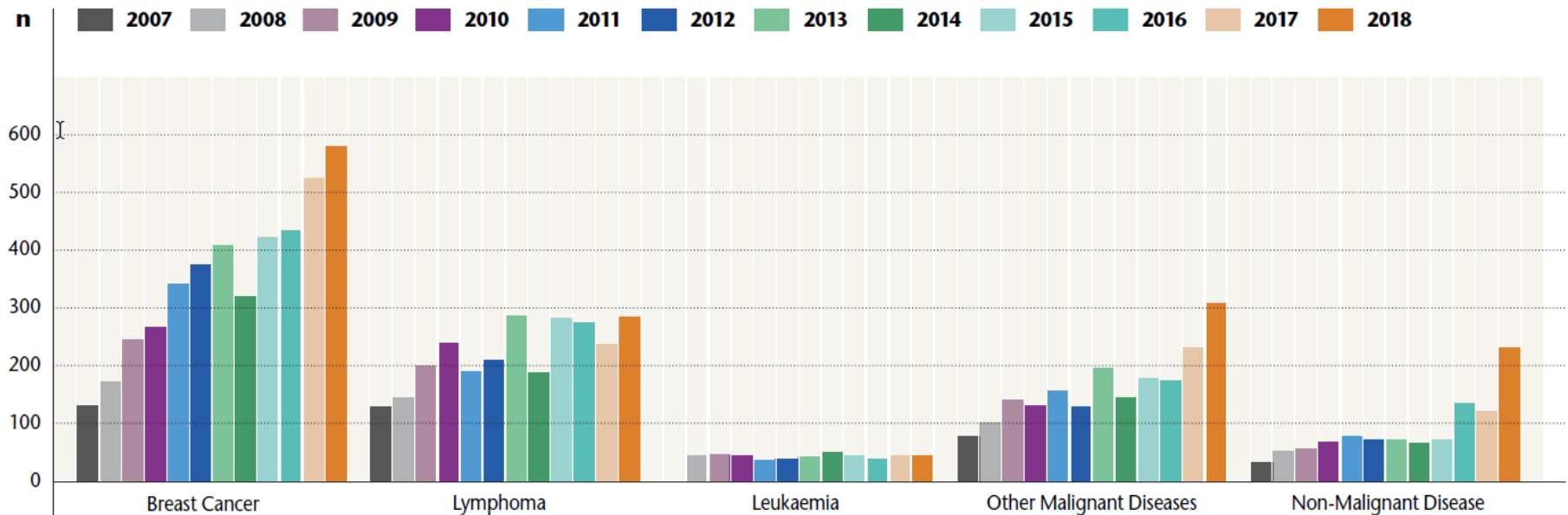


Age Distribution of Consultations



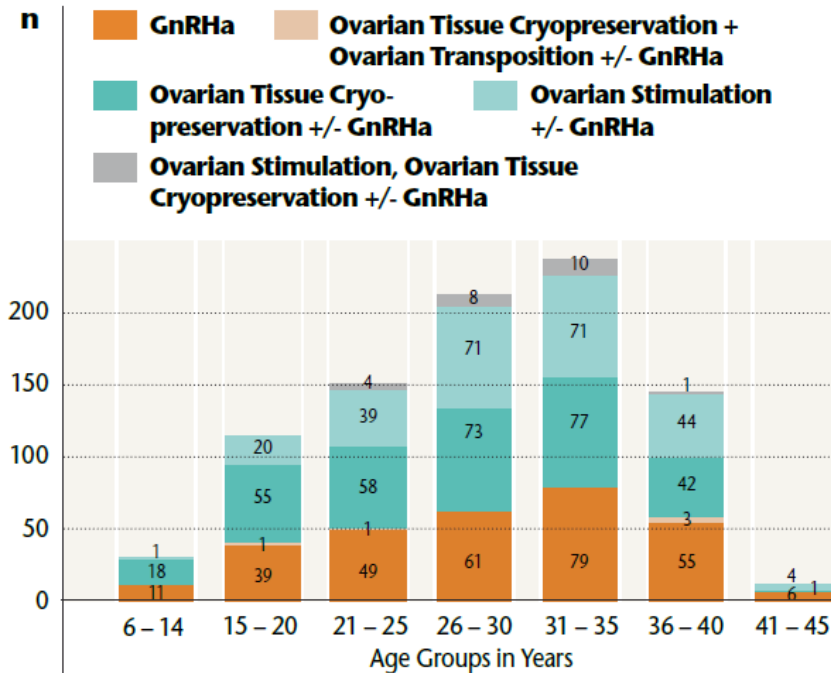
Registry data

Diagnoses at Consultation

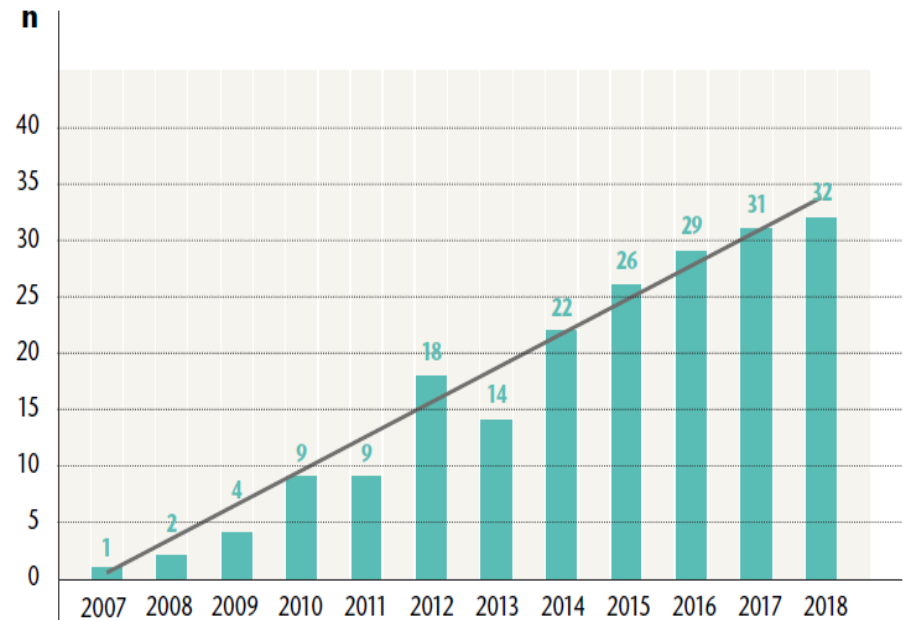


Registry data

Interventions Carried Out in 2018 by Age Group



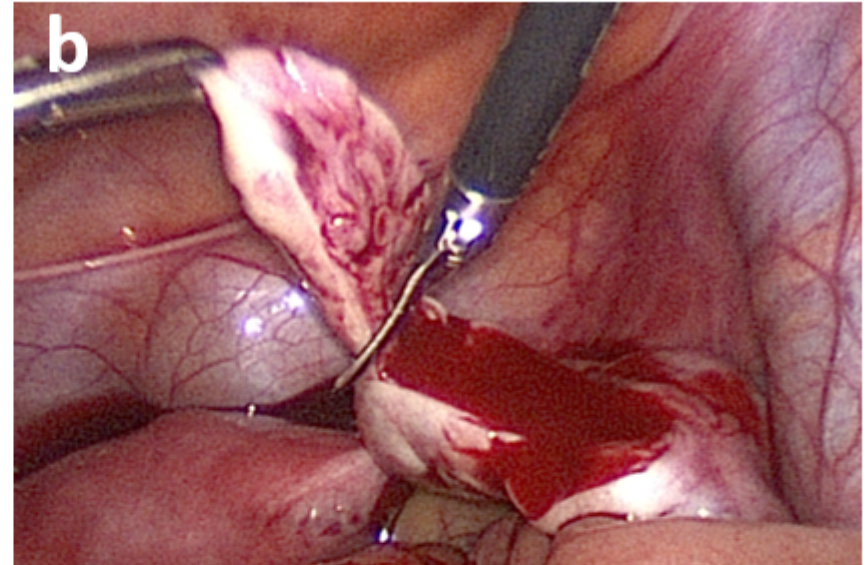
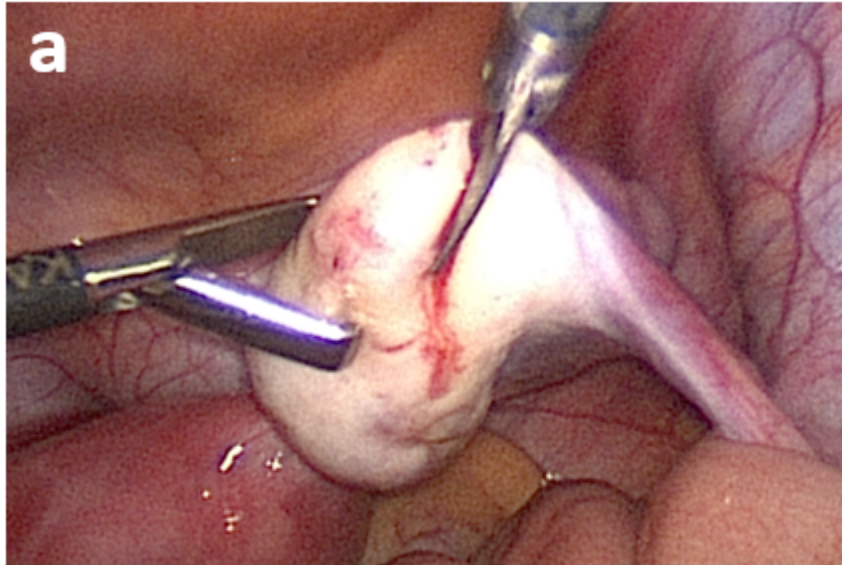
Number of Transplantations per Year From 2007 to 2018



Registry data

	Trans- plan- tations	Trans- planted patients	Preg- nancies per patient	Spontaneous pregnancies/ achieved pregnancies	Pregnancies after ART/ achieved pregnancies	Live births and ongoing pregnancies/ transplanted patient
Total, n	197	156	46/156 (29.5%)	39/58 (67.2%)	17/58 (29.3%)	33/156 (21,1%)
With overnight transpor- tation before freezing, n	100	82	25/82 (30.5%)	19/29 (65.5%)	10/29 (34.5%)	21/82 (25.6%)

Freezing of ovarian tissue



Fertility preservation in malignant and non-malignant diseases,
Springer, Eds: M. von Wolff, F. Nawroth, in press

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Marketing and economic benefits for members

Membership Certificate

URKUNDE

Universitäts-Frauenklinik, Inselspital Bern
Gynäkologische Endokrinologie und Reproduktionsmedizin
CH-3010 Bern

ist Mitglied

im

FertiPROTEKT Netzwerk e.V.

und berechtigt,
das unten stehende Siegel zu führen.

Marburg, 15. Juni 2018

A. Gormeyer

Prof. Dr. med. Ailene Gormeyer
(Vorsitzende)

R. Dittlich

Prof. Dr. rer. nat. Ralf Dittlich
(Stellvertreter)

M. Liebenhan

Dr. rer. nat. Janka Liebenhan
(Beisitzerin)

F. Nawroth

Prof. Dr. med. Frank Nawroth
(Schriftführer)

M. Sauer

Maritz Sauerbeck
(Beisitzer)

N. Sänger

PD Dr. med. Nicole Sänger
(Kassenführerin)

M. von Wolff

Prof. Dr. med. Michael von Wolff
(Beisitzer)



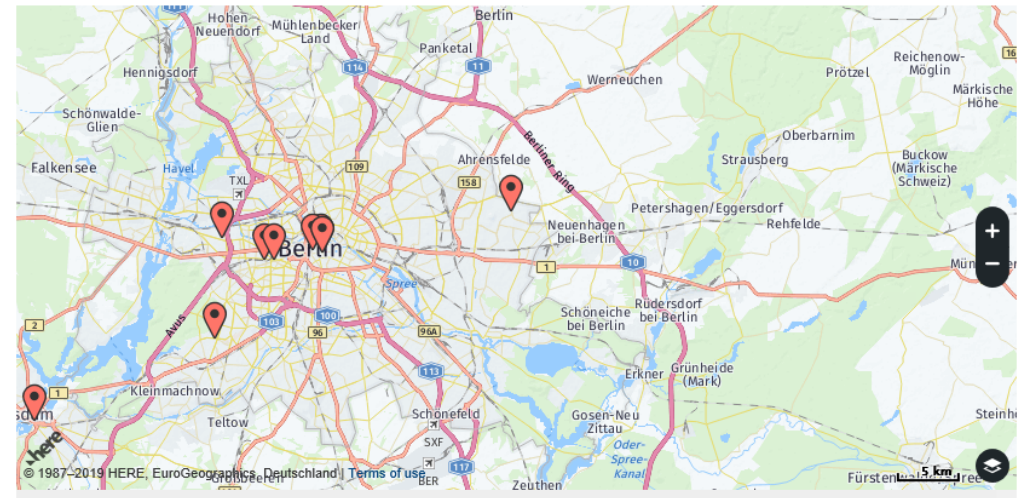
Address register on the Website

Search for a center nearby

Suchen within

Zeige 1-25 von 100 1-10 von 10 [add filters](#)

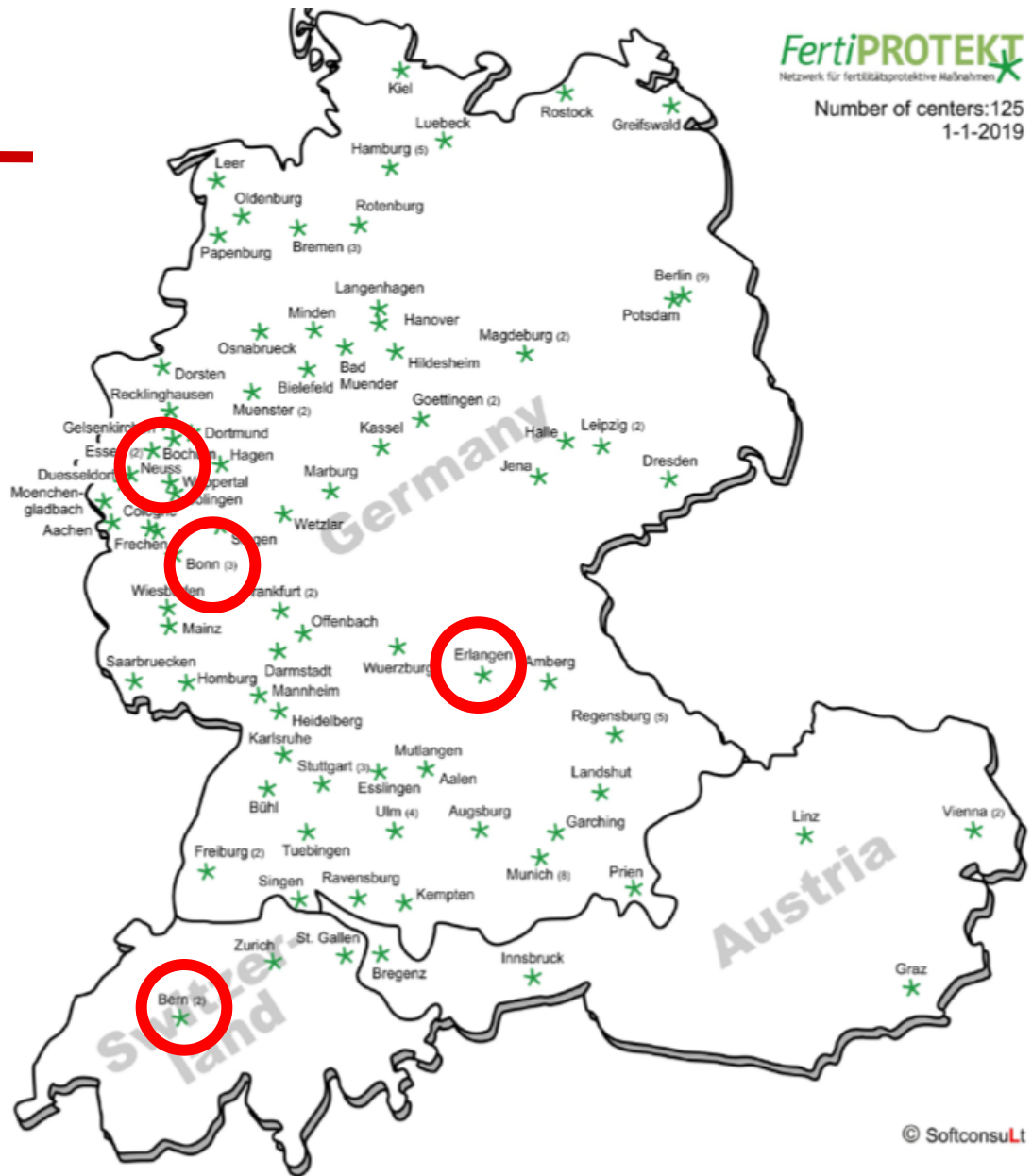
MAP



Cryobanks

FertiPROTEKT
Netzwerk für fertilitätsprotektive Maßnahmen

Number of centers: 125
1-1-2019



© SoftconsuLT

Centralized cryobanks require overnight transportation of ovarian tissue at 4° C

740 RBMO VOLUME 38 ISSUE 5 2019

RBMO



ARTICLE

Overnight ovarian tissue transportation for centralized cryobanking: a feasible option



BIOGRAPHY

Jana Liebenthron obtained her PhD at the University Clinic Bonn under the supervision of Professor Markus Montag. In 2014, she assumed the position of Director of the IVF-Lab and Cryobank for human gametes and ovarian tissue. She is an active executive board member of the network FertiProtekt, highly specialized for ovarian tissue-banking and supports national and international hospitals in this field of fertility preservation. She has managed the new department UniCareD at the University clinic Düsseldorf since January 2018.

Jana Liebenthron^{1,†,*}, Markus Montag^{2,†}, Jochen Reinsberg³, Maria Köster⁴, Vladimir Isachenko⁵, Katrin van der Ven⁶, Hans van der Ven⁶, Jan-Steffen Krüssel¹, Michael von Wolff⁷

Transportation box for overnight transportation



Liebenthron ... von Wolff, RBMO, 2019

Clinical support

- **200 pages book for both oncologists and reproductive physicians, published in 2016**
- **Free of charge print version, financed by a Ferring**
- **Free of charge downloadable on the *FertiPROTEKT* website**



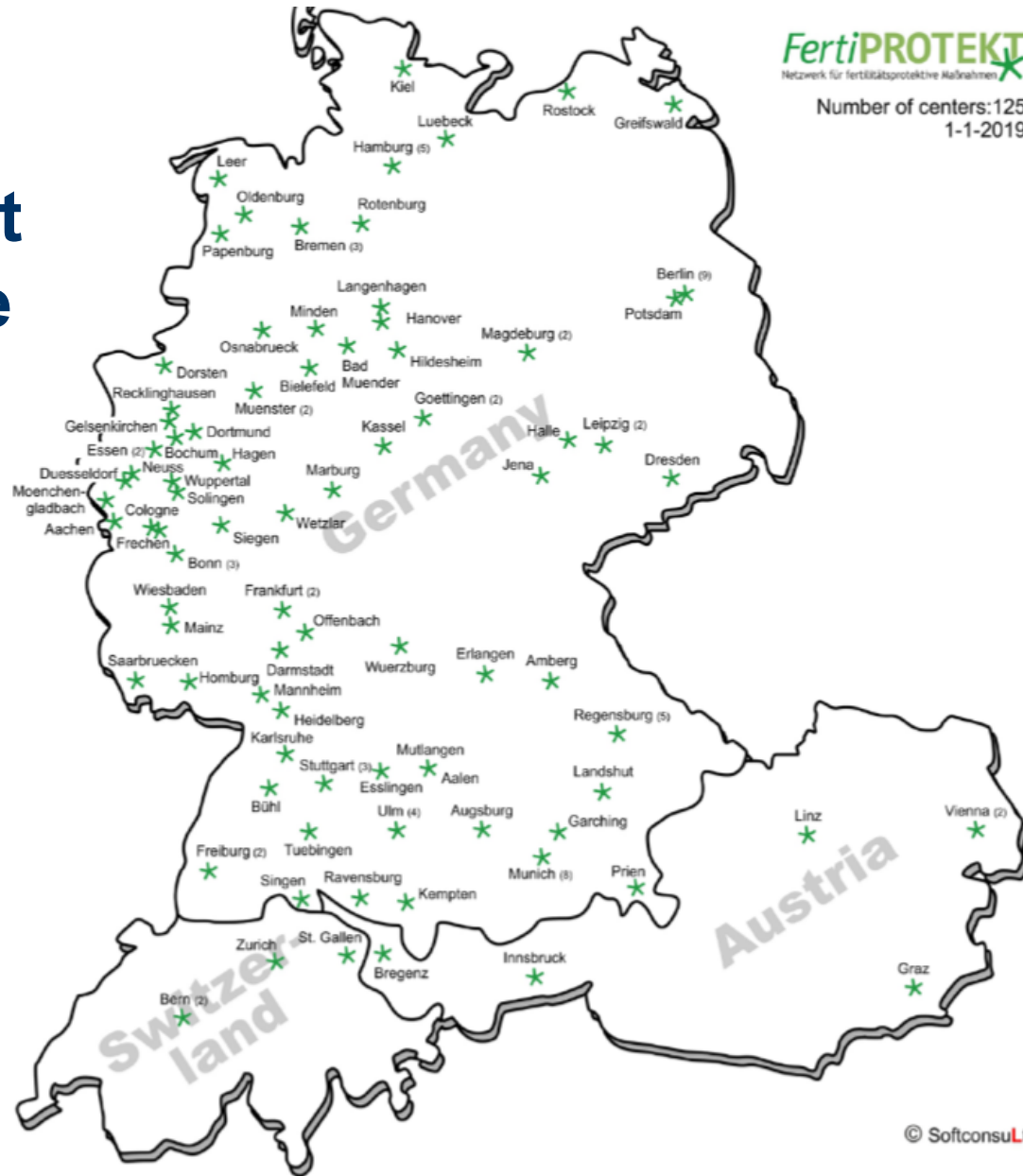
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Patients: 128 FertiPROTEKT centers cover almost completely the three countries

FertiPROTEKT
Netzwerk für fertilitätsprotektive Maßnahmen

Number of centers: 125
1-1-2019



von Wolff et al., Clin Med
insights 2019

Science:

***FertiPROTEKT* published 26 papers which can be found in PubMed with the key word „Fertiprotekt“**

SCIENTIFIC FOCUS	EXAMPLES OF PUBLICATIONS*
<ul style="list-style-type: none"> • Efficacy of luteal phase and random-start ovarian stimulation 	<ul style="list-style-type: none"> • von Wolff et al⁷⁴ • von Wolff et al⁷⁵
<ul style="list-style-type: none"> • Effectiveness of ovarian stimulation with various concurrent diseases 	<ul style="list-style-type: none"> • Henes et al⁷⁶ • Henes et al⁷⁷ • Henes et al⁷⁸ • von Wolff et al⁷⁹
<ul style="list-style-type: none"> • Transport and transplantation of ovarian tissue 	<ul style="list-style-type: none"> • Dittrich et al⁸⁰ • Dittrich et al⁸¹ • Van der Ven et al² • Liebenthron et al⁸² • von Wolff et al⁸³
<ul style="list-style-type: none"> • Combination of ovarian tissue cryopreservation and ovarian stimulation 	<ul style="list-style-type: none"> • Huober-Zeeb et al⁸⁴
<ul style="list-style-type: none"> • Fertility protection in children and adolescents 	<ul style="list-style-type: none"> • Sanger et al⁸⁵ • Sanger et al⁸⁶
<ul style="list-style-type: none"> • Counselling and treatments in the network 	<ul style="list-style-type: none"> • Lawrenz et al⁸⁷ • von Wolff et al⁸⁸ • von Wolff et al⁸⁹
<ul style="list-style-type: none"> • Recommendations for fertility protection 	<ul style="list-style-type: none"> • von Wolff et al⁹⁰ • Schuring et al⁹¹ • von Wolff et al⁹² • Dittrich et al⁹³

Politics:

With the support of *FertiPROTEKT* fertility preservation is now reimbursed in Germany and Switzerland since 2019

Germany:

Theoretically all kind of fertility preservation procedures.

Practically: not to be defined.

Switzerland:

Freezing and storage of oocytes, ovarian tissue, sperm and testicular tissue in malignant diseases.

Postpuberty till 39y.

Risk of amenorrhoea/ azospermia >20%.

Politics:

Structures to force the oncologists to sent patients

Certified (*Onkozert*) cancer centers in Germany and abroad have to proof that they counsel women regarding the risk of infertlity and the options to preserve fertility.

ONKOZERT

31. März 2017

SOP Fertilitätserhalt

Home » Hinweise Zertifizierung » SOP Fertilitätserhalt

Start

Home | Aktuelles

DKG-Zertifizierungssystem

Organspezifische Zentren

Onkologische Zentren

Uroonkologische Zentren

Viszeralonkologische Zentren

Praxen | Kooperationspartner

Informationen Zertifizierung

Internationale Zertifizierung

OnkoZert

Über Uns

Datenmanagement

DKG
KREBSGESELLSCHAFT

Bei Patientinnen und Patienten mit einer geplanten Tumorthherapie (OP, Bestrahlung, systemische Therapie) soll vor Behandlungsbeginn das Ausmaß einer möglichen Fertilitätsminderung abgeschätzt werden. Besteht ein relevantes Risiko für eine Minderung der Fertilität, muss eine Beratung und Aufklärung über fertilitätskonservierende Maßnahmen erfolgen. Die folgenden Vorlagen können als Vorlage für die Aufklärung und die Dokumentation genutzt werden.

Die von der Deutschen Krebsgesellschaft zur Verfügung gestellten Dokumente sind schreibgeschützt, erlauben aber den Eintrag des jeweiligen Ansprechpartners im Fortpflanzungszentrum der Klinik und die Eingabe des Kliniklogos.

[↓ SOP Fertilitätserhalt](#)

[↓ SOP Fertilitätserhalt Aufklärung Frau](#)

[↓ SOP Fertilitätserhalt Aufklärung Mann](#)

[↓ SOP Fertilitätserhalt Aufklärung Frau und Mann](#)

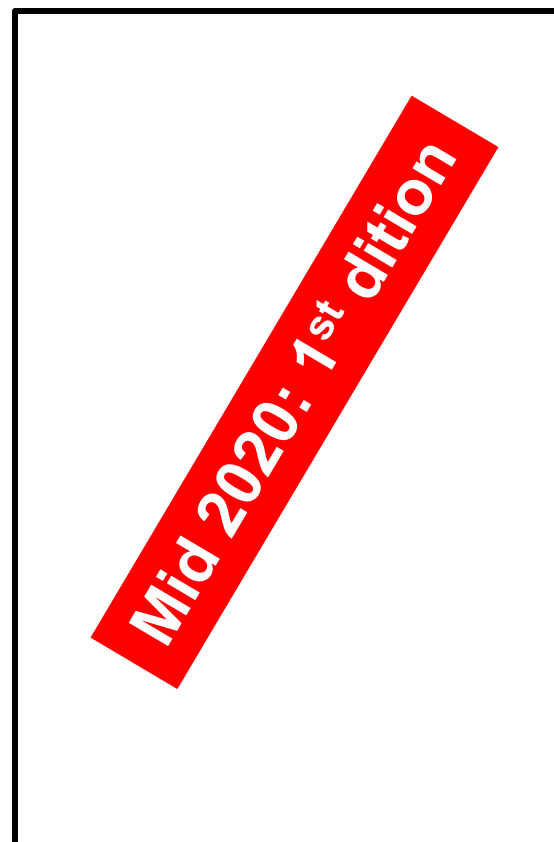
Teaching:

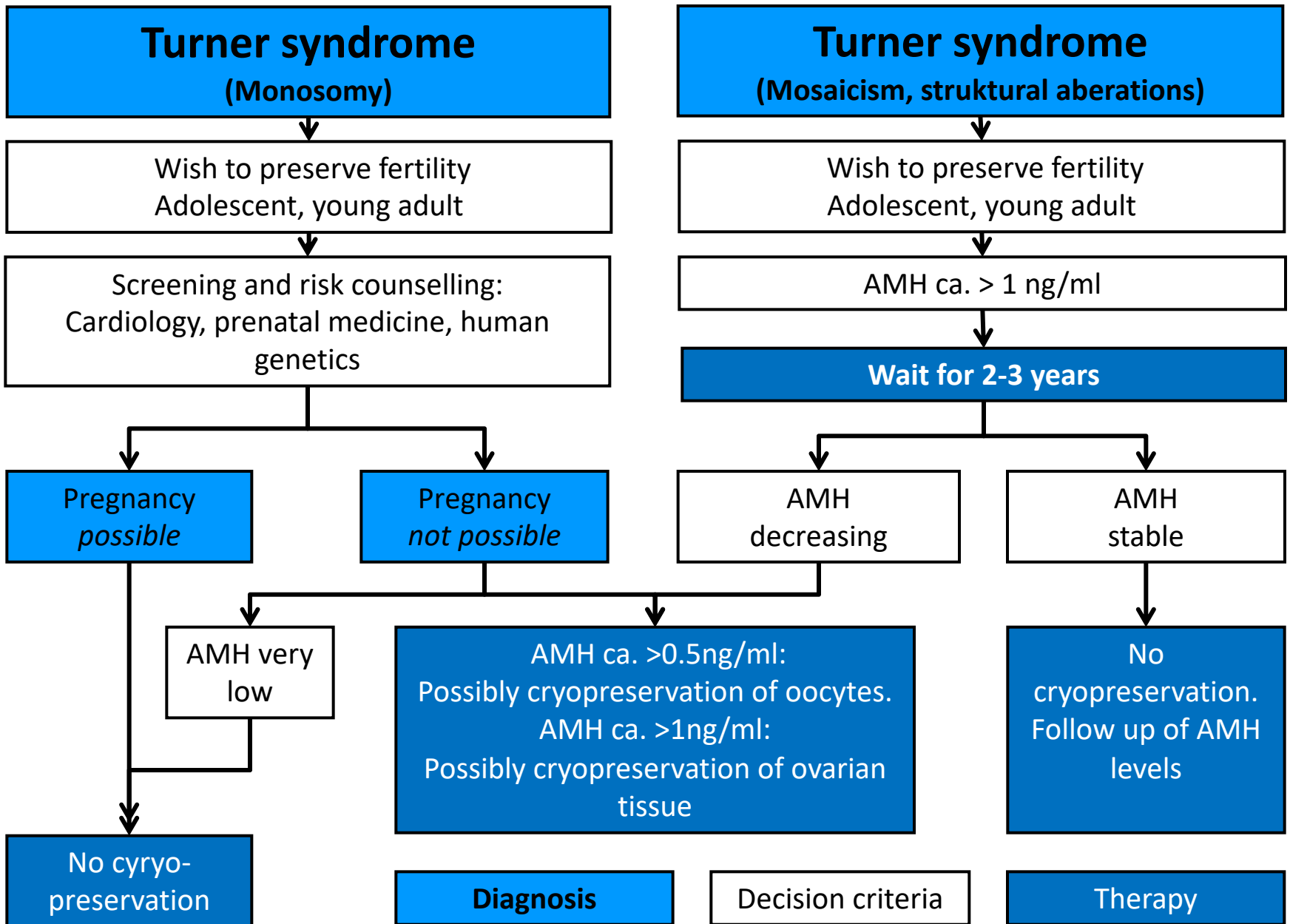
Practical guides on fertility preservation

200 pages, German, free of charge



Englisch version by Springer





Glamour:

Day 2: Tuesday, November 12, 2019

8:00am – 6:30pm

Prentice L South Conference Room

8:00 – 8:30 AM Registration: Continental Breakfast and Networking

8:30 – 9:00 AM Welcome: Teresa K. Woodruff, PhD, Northwestern University, Olivia Jaworek Frias, MSN, RN, Cincinnati Children's Hospital, Courtney Finlayson, MD, Ann & Robert H. Lurie Children's Hospital of Chicago

Morning Session- Courtney Finlayson, MD

9:00 – 10:00 AM Readiness Assessment and Toolkit Panel Session
Gwen Quinn, PhD, New York University and Susan Vadaparampil, PhD, Moffit Cancer Center

10:00 – 10:30 AM Olivia Frias, MSN, RN, Cincinnati Children's Hospital Medical Center, USA
Setting up an OC Network

10:30 – 11:00 AM Courtney Finlayson, MD, Northwestern University, USA
Counseling the Transgender Population

11:00 – 11:30 AM Julia Taylor, MD, University of Virginia, USA
Decreasing Moral Distress

11:30 – 1:00 PM Lunch, Network, Poster Set-up

Afternoon Clinical Session- Olivia Frias, MSN, RN Program Development and Implementation

1:00 – 1:30 PM Michael VonWolff, MD, FertiProtekt, Germany
The FertiProtekt Network

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The human factor as the main obstacle in the establishment of networks

Obstacles to establishing networks	Ways to avoid these obstacles
Scientific competition	- Consideration of all persons involved as co-authors in publications
Lack of time for documentation	- High quality documentation software - Interfaces with already established national registers to avoid repeated entries
Lack of interest	- Sensitisation to the fact that fertility-protective measures are also economically relevant - Use of the network website as an advertising platform for member centres - Democratic voice in decision-making processes - Annual meetings at interesting locations with an interesting programmembership - Introduction of certificates for member centres and their external presentation
Lack of awareness	- Development of good websites and linking to member centres to increase internet presence - Regional and national information events
Lack of willingness to cooperate	- Development of political activities to enforce cooperation

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Future goals of *FertiPROTEKT*

- Defining criteria for reimbursement.
- Regulating fertility preservation by defining indications.
- Improving the cooperation with oncologists.
- Improvement *Ovarian tissue techniques*.
- Find *medical treatment* to protect gonads.

.... taking the FertiPROTEKT banner to the 2 remaining 7 summits.....

