



Record ID	
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Automatically generated by REDCap.

Study centre

Name of the study centre		<i>See annexed list with the cities listed alphabetically for Austria, Germany and Switzerland.</i>
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if → NOT LISTED	Country	
	City	
	Centre	

Centre specific ID code of the patient		<i>Optional.</i>
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Date of first consultation		<i>Min: 01-11-2023 Max: 31-12-2039</i>
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Diagnosis

Disease		<i>See annexed file with the disease list.</i>
	<i>Preliminary diagnosis, for which the fertility counselling is performed.</i>	

if → NOT LISTED	
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Date of diagnosis		<i>Min: 01-01-2020 Max: 31-12-2039</i>
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AUSTRIA

- Graz – Med Uni
- Innsbruck – Medical University
- Linz – JKU
- Salzburg – PMU
- Wien – MedUni
- Wien – St. Anna Kinderspital

GERMANY

- Aachen – RWTH
- Berlin – "an der Gedächtniskirche"
- Berlin – Charité
- Berlin – Fertility Centre
- Bielefeld – Fertility Centre
- Bonn – Venuskind am UKB
- Bremen – Mitte Clinic
- Dortmund – MVZ
- Dresden – Carl Gustav Carus
- Düsseldorf – UniKid
- Erlangen – University Hospital
- Frankfurt – Re-Pro Gyn
- Freiburg – University Hospital
- Gießen – UKGM (Andrology)
- Göttingen – UMG
- Greifswald – University Hospital
- Halle (Saale) – ZRA
- Hamburg – "amedes experts"
- Hannover – MHH
- Heidelberg – NCT
- Heidelberg – UKHD
- Hildesheim – Fertility Centre
- Karlsruhe – City Clinic
- Kassel – MVZ
- Kiel – UKSH Lübeck Manhagen
- Köln – MVZ PAN-Institute
- Köln – University Hospital
- Leipzig – University Hospital
- Lübeck – UKSH Schleswig-Holstein
- Magdeburg – OVGU
- Mainz – JGU
- Marburg – UKGM (Gynaecology)
- München – ART Bogenhausen
- München – LMU
- München – TUM
- Münster – UKM (Andrology)
- Münster – UKM (Fertility Centre)
- Oldenburg – Fertility Centre
- Regensburg – Profertilita
- Rostock – Fertility Centre
- Saarland – UKS
- Tübingen – University Hospital
- Ulm – UULM
- Wiesbaden – TFP
- Würzburg – University Hospital

SWITZERLAND

- Baden – Fertility Centre
- Basel – Fertility Centre
- Basel – University Hospital
- Bern – Fertility Centre (Lindenhofspital)
- Bern – Inselspital
- Biel – CARE
- Chur – Fontana
- Fribourg – HFR
- Genève – HUG
- Lausanne – CHUV
- Lausanne – CPMA
- Locarno – La Carità
- Luzern – LUKS
- Luzern – St. Anna
- Olten – fertisuisse
- St. Gallen – YUNA
- Winterthur – Admira
- Zürich – 360 Grad
- Zürich – GYN-A.R.T.
- Zürich – Gyné invitro
- Zürich – OVA IVF
- Zürich – USZ



International Statistical Classification of Diseases and Related Health Problems 10th Revision (ICD-10)-WHO, Version for 2019-covid-expanded.

A	<p>Agranulocytosis (D70) Anal carcinoma (C21) Anaemia - Aplastic (D60 – D61) Anaemia - Fanconi (D61.0) Angiosarcoma (C22.3)</p>	N	<p>Nasopharyngeal carcinoma (C11) Nebennierenkrebs → »Adrenocortical carcinoma« Nephritis / Glomerulonephritis (N05) Nephroblastoma → »Wilms' tumour« Non-Hodgkin lymphoma (C82 – C88)</p>
B	<p>Blasenmole → »Trophoblastic disease« Brain cancer: <ul style="list-style-type: none"> Astrocytoma (C71.9) Ependymoma (C71.9) Glioblastoma (C71.9) Oligodendroglioma (C71.9) Medulloblastoma (C71.6) other (C71) Breast cancer: <ul style="list-style-type: none"> benign BRCA positive (Z15.01) hormone receptor positive (Z17.0) hormone receptor negative (Z17.1) hormone receptor status not known (Z17) other (C50) </p>	O	<p>Osteosarcoma (C41.9) Ovary (C56): <ul style="list-style-type: none"> borderline malignancy teratoma benign teratoma malignant other </p>
C	<p>Cervix uteri carcinoma (C53) Chondrosarcoma (C41.9) Colitis ulcerosa → »Ulcerative colitis« Colon carcinoma (C18) Crohn disease (K50)</p>	P	<p>Pancreatic cancer (C25) Placenta cancer (C58.9; D39.2) → »Trophoblastic disease« Pleomorphic undifferentiated sarcoma → »Undifferentiated pleomorphic sarcoma« Polyarteritis nodosa (M30) Polychondritis (M94.8) Polymyositis (M33) Premature ovarian insufficiency (E28.3) Prostate cancer (C61)</p>
D	<p>Dermatomyositis (M33)</p>	R	<p>Rectal cancer (C20) Rectosigmoid junction cancer (C19) Renal cell carcinoma → »Kidney cancer« Rhabdomyosarcoma (C49.9) Rheumatoid arthritis (M05 – M06, M08)</p>
E	<p>Endometrial carcinoma (C54) Endometriosis (N80) Ewing sarcoma (C40-C41)</p>	S	<p>Schilddrüsenkrebs → »Thyroid cancer« Sharp syndrome → »Mixed connective tissue disease« Sickle cell disease (D57) Sigmakarzinom → »Colon carcinoma« Sjögren (Sicca) syndrome (M35) Stomach cancer (C16) Synovial sarcoma (C49.9) Systemic sclerosis (including: Scleroderma) (M34)</p>
F	<p>Fibrosarcoma (C49.9) Fragile X syndrome (Q99.2)</p>	T	<p>Takayasu arteritis (Aortic arch syndrome) (M31.4) Testicular cancer (C62): <ul style="list-style-type: none"> seminoma non seminomatous germ cell tumour - teratoma non seminomatous germ cell tumour - embryonal carcinoma non seminomatous germ cell tumour - yolk sac carcinoma stromal tumour - Leydig cell tumour stromal tumour - Sertoli cell tumour other histological types </p>
G	<p>Galactosemia (E74.2) Germ cell tumour - extragonadal (ICD-O-3 M906-909)</p>		<p>Thalassemia (D56) Thyroid cancer (C73) Transgender (F64) Trophoblastic disease (O01.9) Turner syndrome (Q96)</p>
H	<p>Hodgkin lymphoma (C81)</p>	U	<p>Ulcerative colitis (K51) Undifferentiated pleomorphic sarcoma (C49)</p>
I	<p>Immune thrombocytopenia (D69)</p>	V	<p>Vasculitis limited to skin (L95) Vulva carcinoma (C51)</p>
K	<p>Keimzelltumor → »Germ cell tumour« Kidney cancer (C64)</p>	W	<p>Wegener granulomatosis (M31.3) Wilms' tumour (Kidney cancer in children) (C64)</p>
L	<p>Leiomyosarcoma NOS (ICD-O-3 M8890/3) Leukaemia: <ul style="list-style-type: none"> Leukaemia lymphoid - acute lymphoblastic (C91.0) Leukaemia lymphoid - chronic lymphocytic (C91) Leukaemia myeloid - acute (C92) Leukaemia myeloid - chronic (C92) Leukaemia - other forms (C91 - C95) </p>	?	DISEASE NOT LISTED
M	<p>Liposarcoma (C49.9) Liver cancer (C22) Lung cancer (C34) Lupus erythematosus (L93)</p>		
	<p>Malignant fibrous histiocytoma → »Undifferentiated pleomorphic sarcoma« Malignant nerve sheath tumour (C47.9) Melanoma (C43) Mesothelioma (C45) Mixed connective tissue disease (M35.1) Morbus Crohn → »Crohn disease« Myelodysplastic syndrome (D46) Multiple sclerosis (G35) Myositis (M60)</p>		



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Basic information

Sex	<input type="checkbox"/> Male <input type="checkbox"/> Female
Year of birth	<input type="text"/> <i>Integer, suggested range: 1973 - 2009</i>
Age at inclusion	<input type="text"/> years <i>Automatic calculation of rounded number of years in REDCap.</i>
Height	<input type="text"/> cm <i>Integer, suggested range: 110 - 210</i>
Weight	<input type="text"/> kg <i>Integer, suggested range: 30 - 250</i>
BMI	<input type="text"/> kg/m ² <i>Automatic calculation of BMI in REDCap.</i>
Smoking status	<input type="checkbox"/> Yes <input type="checkbox"/> No
Partnership	<input type="checkbox"/> Yes <input type="checkbox"/> No



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Fertility

How many biological children does the patient have?	<input type="checkbox"/> 0		
	<input type="checkbox"/> 1	➔ Age of 1st child	<input type="text"/> years
	<input type="checkbox"/> 2	➔ Age of 2nd child	<input type="text"/> years
	<input type="checkbox"/> > 2	➔ Age of 3rd child	<input type="text"/> years

Integer, suggested range: 0 - 25

Infertility

Previous infertility condition in patient and/or partner	<input type="checkbox"/> Yes							
		<table border="1"> <tr> <td>if YES ➔ What was the cause of infertility?</td> <td> <input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Mixt <input type="checkbox"/> Idiopathic <input type="checkbox"/> Other </td> </tr> <tr> <td></td> <td>➔ if OTHER, please specify</td> </tr> <tr> <td colspan="2"><input type="text"/></td> </tr> </table>	if YES ➔ What was the cause of infertility?	<input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Mixt <input type="checkbox"/> Idiopathic <input type="checkbox"/> Other		➔ if OTHER, please specify	<input type="text"/>	
	if YES ➔ What was the cause of infertility?	<input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Mixt <input type="checkbox"/> Idiopathic <input type="checkbox"/> Other						
		➔ if OTHER, please specify						
	<input type="text"/>							
	<table border="1"> <tr> <td>if YES ➔ What type of treatment for infertility was received?</td> <td> <input type="checkbox"/> Timed intercourse <input type="checkbox"/> Ovarian stimulation and timed intercourse <input type="checkbox"/> Intrauterine insemination <input type="checkbox"/> IVF / ICSI <input type="checkbox"/> Other </td> </tr> <tr> <td></td> <td>➔ if OTHER, please specify</td> </tr> <tr> <td colspan="2"><input type="text"/></td> </tr> </table>	if YES ➔ What type of treatment for infertility was received?	<input type="checkbox"/> Timed intercourse <input type="checkbox"/> Ovarian stimulation and timed intercourse <input type="checkbox"/> Intrauterine insemination <input type="checkbox"/> IVF / ICSI <input type="checkbox"/> Other		➔ if OTHER, please specify	<input type="text"/>		
if YES ➔ What type of treatment for infertility was received?	<input type="checkbox"/> Timed intercourse <input type="checkbox"/> Ovarian stimulation and timed intercourse <input type="checkbox"/> Intrauterine insemination <input type="checkbox"/> IVF / ICSI <input type="checkbox"/> Other							
	➔ if OTHER, please specify							
<input type="text"/>								
	<input type="checkbox"/> No							



Record ID

Sperm

Yes

Cryopreservation of sperm before gonadotoxic treatment?

if YES → Date of sperm cryopreservation Min: 01-11-2023
Max: 31-12-2039

if YES → Number of ejaculates

1
 2
 3
 4
 5
 > 5

No

Testicular tissue

Yes

Cryopreservation of testicular tissue before gonadotoxic treatment?

if YES → Date of testicular tissue cryopreservation Min: 01-11-2023
Max: 31-12-2039

if YES → Complications during or just after the process of testicular tissue removal

None
 Bleeding
 Infection
 Other

Several items can be chosen.

if OTHER → please specify

No

End Study Block Basic

Did you fill in all basic information and fertility preservation measures? Yes No



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Eligibility

Informed Consent	Signed	<input type="checkbox"/> Yes	➔ Date of signed 'Informed Consent' <input type="text"/> <small>Min: 01-11-2023 Max: 31-12-2039</small>
		<input type="checkbox"/> No	

Rough estimated date	Expected end of gonadotoxic treatment affecting the ovaries / testicles	<input type="text"/>
		<small>Please add a rough estimate of the date in order to schedule the posttreatment consultation. Min: 01-11-2023 Max: 31-12-2039</small>

Inclusion Criteria	1	Patients with cancer or with benign reasons undergoing chemotherapy and/or radiotherapy of the pelvis (females) and the testicles (males) and/or immune therapy	<input type="checkbox"/> Yes <input type="checkbox"/> No
	2	Willing to participate	<input type="checkbox"/> Yes <input type="checkbox"/> No
	3	<ul style="list-style-type: none"> ▪ Austria: 14-50 years old (adolescents and adults) ▪ Germany: 18-50 years old ▪ Switzerland: 14-50 years old (adolescents and adults) 	<input type="checkbox"/> Yes <input type="checkbox"/> No
	4	Serum hormone analysis before gonadotoxic therapy (females) or serum hormone analysis and sperm analysis before gonadotoxic therapy (males)	<input type="checkbox"/> Yes <input type="checkbox"/> No

Exclusion Criteria	1	Missing consent	<input type="checkbox"/> Yes <input type="checkbox"/> No
	2	Language barrier	<input type="checkbox"/> Yes <input type="checkbox"/> No

Eligibility Determination	<input type="checkbox"/> Patient is ELIGIBLE <input type="checkbox"/> Patient does NOT meet eligibility criteria <input type="checkbox"/> Eligibility criteria are INCOMPLETE
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Blood parameters		
Date of blood test	<input type="text"/>	Min: 01-11-2023 Max: 31-12-2039 <i>Time of blood collection: ideally in the morning, between 8-12 am.</i>
Serum total testosterone concentration	<input type="text"/>	Number (one decimal place), suggested range: 0.0 - 2000.0
Unit of the serum total testosterone value	<input type="checkbox"/> nmol/L <input type="checkbox"/> ng/dL <input type="checkbox"/> microgram/L	

Sperm parameters		
Date of sperm analysis (first ejaculate)	<input type="text"/>	Min: 01-11-2023 Max: 31-12-2039
Total sperm count in ejaculate	<input type="text"/> 10^6	Number (one decimal place), suggested range: 0.0 - 928.0
Sperm concentration	<input type="text"/> $10^6/mL$	Number (one decimal place), suggested range: 0.0 - 300.0
Total sperm progressive motility (WHO A+B)	<input type="text"/> %	Integer, suggested range: 5 - 85 Legend: A = rapid progressive B = slow progressive C = non-progressive D = immotility
Proportion of sperm with normal morphology	<input type="text"/> %	Integer, suggested range: 0 - 30 <i>If analysed in first ejaculate</i>