

1. General Information

Cohort ID	5001_12
Title (Study Name)	KIWI Collection
Principal investigator	Prim. Dr. Michael Schenk
Contact information	pm-biobank@medunigraz.at
Funding agency	FFG

2. Description

In this project, samples of patients receiving fertility treatment in terms of assisted reproductive technologies are collected and stored at the Biobank Graz under standardized circumstances. The collection comprises samples of blood serum, follicular fluid, cumulus cells, embryo culture supernatant and seminal plasma. The aim of the study is to establish a database of infertile couples to facilitate scientific approaches to improve the success of fertility treatments.

3. Details

ICD 10/O codes / Healthy	Z31.2 (In vitro fertilisation)	
Key words	Fertility; reproductive medicine; IVF; follicular fluid; cumulus cells	
Collection / Cohort size 12/2023	73.160 aliquots from 1.281 patients	
Informed Consent (IC)	<input checked="" type="checkbox"/> Broad Biobank IC	
	<input type="checkbox"/> Specific Study IC	
Status	<input type="checkbox"/> In progress / compl. date: open	
	<input type="checkbox"/> Completed	
Inclusion criteria	Age distribution	18 - 45
	Sex distribution (f:m)	~ 50:50
	Others	patients with fertility treatment
Earliest access	As of now	
Quality-standards	<input checked="" type="checkbox"/> ISO 9001:2015 (SOPs)	
Associated publications / references	<u>Biobanking of different body fluids within the frame of IVF-a standard operating procedure to improve reproductive biology research.</u> Schenk M, Huppertz B, Obermayer-Pietsch B, Kastelic D, Hörmann-Kröpfl M, Weiss G. https://pubmed.ncbi.nlm.nih.gov/27889868/	
	<u>Antibodies to SARS-CoV-2 in follicular fluids and their association with assisted reproduction.</u> Chillon TS, Weiss G, Demircan K, Minich WB, Schenk M, Schomburg L. https://pubmed.ncbi.nlm.nih.gov/37006276/	
	<u>Detection of antibodies to SARS-CoV-2 after vaccination in seminal plasma and their association to sperm parameters.</u> Chillon TS, Demircan K, Weiss G, Minich WB, Schenk M, Schomburg L. https://pubmed.ncbi.nlm.nih.gov/36933610/	

4. Material available (aliquot size) and storage conditions

Material	<input checked="" type="checkbox"/> Serum	<input checked="" type="checkbox"/> -80°C
	<input checked="" type="checkbox"/> Follicular fluid	<input checked="" type="checkbox"/> -80°C
	<input checked="" type="checkbox"/> Cumulus cells	<input checked="" type="checkbox"/> -80°C
	<input checked="" type="checkbox"/> Embryo culture supernatant	<input checked="" type="checkbox"/> -80°C
	<input checked="" type="checkbox"/> Seminal plasma	<input checked="" type="checkbox"/> -80°C

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