

1. General Information

Cohort ID	6003_10
Title (Study Name)	Orthopaedics collection
Principal investigator	Prof. Andreas Leithner
Contact information	pm-biobank@medunigraz.at

2. Description

This collection includes samples of serum, plasma, buffy coat, frozen tissue and their corresponding data. Started in the year 2010 the collection is still ongoing. The diagnoses are various orthopaedic diseases especially arthropathies, malignant and benign neoplasm (see section 5. below). The collection comprises 5.000 patients with more than 50.000 samples.

3. Details

ICD 10/O codes / Healthy	C00-C97 ; D10-D36 ; D37-D48 ; G50-G59 ; M00-M25 ; M40-M54 ; M60-M79 ; M80-M94 ; T80-T88
Key words	Arthrosis – coxarthrosis – gonarthrosis - bone sarcoma - bone tumour - soft tissue tumour - soft tissue sarcoma
Collection / Cohort size (end 2018)	4966 patients 48787 liquid samples 1354 tissue samples
Informed Consent (IC)	<input checked="" type="checkbox"/> Broad Biobank IC <input type="checkbox"/> Specific Study IC
Status	<input checked="" type="checkbox"/> In progress / compl. date: open <input type="checkbox"/> Completed
Age distribution	18 - 100
Access type	<input type="checkbox"/> Cooperation only <input checked="" type="checkbox"/> Cooperation preferred
Earliest access	As of now
Quality-standards	<input type="checkbox"/> CEN/TS <input checked="" type="checkbox"/> ISO 9001:2015 (SOPs)
Associated publications	<i>EGFR inhibitors identified as a potential treatment for chordoma in a focused compound screen.</i> Scheipl S, Barnard M, Cottone L, Jorgensen M, Drewry DH, Zuercher WJ, Turlais F, Ye H, Leite AP, Smith JA, Leithner A, Möller P, Brüderlein S, Guppy N, Amary F, Tirabosco R, Strauss SJ, Pillay N, Flanagan AM. J Pathol. 2016 Jul;239(3):320-34

4. Material available (aliquot size) and storage conditions

Material	<input checked="" type="checkbox"/> Serum (235 µl, 400 µl)	<input checked="" type="checkbox"/> -80°C	<input type="checkbox"/> liq. N ₂
	<input checked="" type="checkbox"/> Plasma (580 µl)	<input checked="" type="checkbox"/> -80°C	<input type="checkbox"/> liq. N ₂
	<input checked="" type="checkbox"/> Buffy coat(300 µl)	<input checked="" type="checkbox"/> -80°C	<input type="checkbox"/> liq. N ₂
	<input checked="" type="checkbox"/> Whole blood (580 µl)	<input checked="" type="checkbox"/> -80°C	
	<input checked="" type="checkbox"/> Fresh frozen tissue	<input type="checkbox"/> -80°C	<input checked="" type="checkbox"/> liq. N ₂

5. Additional information

Distribution of diagnoses		
ICD 10	Diagnosis	Number of cases
C00-C97	Malignant neoplasm	217
D10-D36	Benign neoplasm	359
D37-D48	Neoplasm of uncertain behavior	705
G50-G59	Disorder of nerves, nerve root and plexus	13
M00-M25	Arthropathy	3125
M40-M54	Disorders affecting the back and spine (dorsopathies)	291
M60-M79	Soft tissue disorders	51
M80-M94	Osteopathies and chondropathies	288
T80-T88	Complications of surgical operations and medical treatment, not elsewhere classified	426
		Total: 5475