

1. General Information

Cohort ID	CRC WSI – Survival Cohort
Title (Study Name)	Colorectal Cancer Whole Slide Image - Survival Cohort
Principal investigator	Prof. Kurt Zatloukal
Contact information	pm-biobank@medunigraz.at
Funding agency	-----

2. Description

<p>Inclusion criteria: Patients with colorectal cancer as a primary diagnosis (C18), samples from 1984 to 2013.</p> <p>Over 180 000 images (resolution 0.25µm/pixel, over 800 TByte) from 100 000 slides (H&E and IHC staining of FFPE tissue sections) from over 6 400 cases comprising tissue from colorectal cancer resections (tumour and non-tumour colon tissue, resection margins, fatty tissue, and associated lymph nodes)</p> <p>Associated data:</p> <ul style="list-style-type: none"> • Pathology diagnosis • TNM staging • ICD-10 and ICD-O codes • Survival data • Meta data from whole slide images
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3. Details

ICD 10/O codes / Healthy	C18.0	
Key words	CRC, colorectal cancer, survival, AI, artificial intelligence	
Collection / Cohort size 2022	180 000 images, 100 000 slides, 6 400 cases	
Informed Consent (IC)	<input checked="" type="checkbox"/> Broad Biobank IC	
	<input type="checkbox"/> Specific Study IC	
Status	<input type="checkbox"/> In progress / compl. date:	
	<input checked="" type="checkbox"/> Completed	
Inclusion criteria	Age distribution	18 - 100
	Sex distribution (f:m)	45:55
	Others	Tumour stages: II to III
Earliest access	As of now; for collaborative research projects depending on ethics committee approval of Medical University of Graz	
Quality-standards	<input checked="" type="checkbox"/> ISO 9001:2015 (SOPs)	
Associated publications / references	<p>Interpretable survival prediction for colorectal cancer using deep learning</p> <p>Wulczyn E, Steiner DF, Moran M, Plass M, Reihls R, Tan F, Flament-Auvigne I, Brown T, Regitnig P, Chen PC, Hegde N, Sadhwani A, MacDonald R, Ayalew B, Corrado GS, Peng LH, Tse D, Müller H, Xu Z, Liu Y, Stumpe MC, Zatloukal K, Mermel CH.</p> <p>https://pubmed.ncbi.nlm.nih.gov/33875798/</p> <p>BBMRI.at & biobank-cohorts/CRC WSI</p>	

4. Material available (aliquot size) and storage conditions

	<input checked="" type="checkbox"/> FFPE tissue	<input checked="" type="checkbox"/> RT
	<input checked="" type="checkbox"/> FFPE slides (H&E)	<input checked="" type="checkbox"/> RT
	<input checked="" type="checkbox"/> FFPE slides (IHC)	<input checked="" type="checkbox"/> RT
	<input checked="" type="checkbox"/> WSI from FFPE slides (IHC & H&E)	

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