

## 1. General Information

|                               |  |
|-------------------------------|--|
| <b>Cohort ID</b>              | CRC WSI – Vascular Invasion Cohort                                     |
| <b>Title (Study Name)</b>     | Colorectal Cancer Whole Slide Image - Vascular Invasion Cohort         |
| <b>Principal investigator</b> | Prof. Kurt Zatloukal   |
| <b>Contact information</b>    | <a href="mailto:pm-biobank@medunigraz.at">pm-biobank@medunigraz.at</a> |
| <b>Funding agency</b>         | -----  |

## 2. Description

Inclusion criteria: Patients with colorectal cancer as a primary diagnosis (C18), samples from 1984 to 2013. Approx. 800 whole slide images (resolution 0.25µm/pixel) from ~ 800 slides (H&E, histochemical and IHC staining of FFPE tissue sections) from over 260 cases comprising colorectal tumour tissue.

Associated data:

- Pathology diagnosis
- TNM staging
- ICD-10 and ICD-O codes
- Clinical data
- Survival data
- Meta data from whole slide images

## 3. Details

|   |   |                 |
|---|---|-----------------|
| <b>ICD 10/O codes / Healthy</b>             | C18.0   |                 |
| <b>Key words</b>                            | CRC, colorectal cancer, inflammation, AI, artificial intelligence   |                 |
| <b>Collection / Cohort size 2022</b>        | 800 images, 800 slides, 260 cases   |                 |
| <b>Informed Consent (IC)</b>                | <input checked="" type="checkbox"/> Broad Biobank IC  |                 |
|   | <input type="checkbox"/> Specific Study IC  |                 |
| <b>Status</b>                               | <input type="checkbox"/> In progress / compl. date:   |                 |
|   | <input checked="" type="checkbox"/> Completed   |                 |
| <b>Inclusion criteria</b>                   | <b>Age distribution</b>   | 18 - 100        |
|   | <b>Sex distribution (f:m)</b>   | -----           |
|   | <b>Others</b>   | Stages: I to IV |
| <b>Earliest access</b>                      | As of now; for collaborative research projects depending on ethics committee approval of Medical University of Graz   |                 |
| <b>Quality-standards</b>                    | <input checked="" type="checkbox"/> ISO 9001:2015 (SOPs)  |                 |
| <b>Associated publications / references</b> | Sub-collection of the CRC collection that was part of the EU H2020 project ADOPT BBMRI-ERIC (grant agreement number: 676550)<br><a href="https://www.bbmri-eric.eu/scientific-collaboration/colorectal-cancer-cohort/">https://www.bbmri-eric.eu/scientific-collaboration/colorectal-cancer-cohort/</a><br><br><a href="#">BBMRI.at &amp; biobank-cohorts/CRC WSI&gt;</a> |                 |

## 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 Elastica van Giesson staining, vascular endothelial marker IHC (CD-31) ) | <input checked="" type="checkbox"/> RT |
|  | <input checked="" type="checkbox"/> WSI from FFPE slides (IHC & H&E)  |  |

|  |  |
|--|--|
| <b>Dokument erstellt</b> (tt/mm/yyyy):<br>03/05/2022 | <b>Letzte inhaltliche Aktualisierung</b> (tt/mm/yyyy):<br>03/05/2022 |
|--|--|