

CPTAC-COAD



Summary

This collection contains subjects from the National Cancer Institute's [Clinical Proteomic Tumor Analysis Consortium](#) CPTAC Colon Adenocarcinoma cohort. CPTAC is a national effort to accelerate the understanding of the molecular basis of cancer through the application of large-scale proteome and genome analysis, or proteogenomics. Radiology and pathology images from CPTAC patients are being collected and made publicly available by The Cancer Imaging Archive to enable researchers to investigate cancer phenotypes which may correlate to corresponding proteomic, genomic and clinical data.

Imaging from each cancer type will be contained in its own TCIA Collection, with the collection name "CPTAC-*cancertype*", and is being made available on a release schedule that is coordinated with the CPTAC program releases of proteomic and genomic data. A summary of CPTAC imaging efforts can be found on the [CPTAC Imaging Proteomics](#) page.

Radiology imaging is collected from standard of care imaging performed on patients immediately before the pathological diagnosis, and from follow-up scans where available. For this reason the radiology image data sets are heterogeneous in terms of scanner modalities, manufacturers and acquisition protocols. Pathology imaging is collected as part of the CPTAC qualification workflow.

CPTAC Imaging Special Interest Group

You can join the [CPTAC Imaging Special Interest Group](#) to be notified of webinars & data releases, collaborate on common data wrangling tasks and seek out partners to explore research hypotheses! Artifacts from previous webinars such as slide decks and video recordings can be found on the [CPTAC SIG Webinars](#) page.

Data Access

Data Access

Data Type	Download all or Query/Filter
Tissue Slide Images (SVS, 66.69 GB)	Download
Confirmatory Study and Clinical Data (website external to TCIA)	CPTAC Data Portal (Georgetown) (Download requires Aspera)
Clinical Data API (JSON - more info)	Download
Proteomic Data (website external to TCIA)	Proteomic Data Commons
Genomics Data (website external to TCIA)	Genomic Data Commons

Click the Versions tab for more info about data releases.

Detailed Description

Detailed Description

	Pathology Image Statistics
Modalities	Pathology
Number of Participants	106
Number of Images	373
Images Size (GB)	66.69

A Note about TCIA and CPTAC Subject Identifiers

A subject with radiology and pathology images stored in TCIA is identified with a de-identified project Patient ID that is identical to the Patient ID of the same subject with clinical, proteomic, and/or genomic data stored in other CPTAC databases and web sites.

Citations & Data Usage Policy

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Users of this data must abide by the [Creative Commons Attribution 3.0 Unported License](#) under which it has been published. **CPTAC proteomic and genomic data use must also comply with the [CPTAC Data Use Agreement](#).** Questions may be directed to help@cancerimagingarchive.net. Attribution should include references to the following citations:

Data Citation

National Cancer Institute Clinical Proteomic Tumor Analysis Consortium (CPTAC). (2020). *Data from the Clinical Proteomic Tumor Analysis Consortium Colon Adenocarcinoma [CPTAC-COAD] collection* [Data set]. The Cancer Imaging Archive. <https://doi.org/10.7937/TCIA.YZWQ-ZZ63>

Acknowledgement

The CPTAC program requests that publications using data from this program include the following statement: **“Data used in this publication were generated by the National Cancer Institute Clinical Proteomic Tumor Analysis Consortium (CPTAC).”**

TCIA Citation


Clark K, Vendt B, Smith K, Freymann J, Kirby J, Koppel P, Moore S, Phillips S, Maffitt D, Pringle M, Tarbox L, Prior F. **The Cancer Imaging Archive (TCIA): Maintaining and Operating a Public Information Repository**, Journal of Digital Imaging, Volume 26, Number 6, December, 2013, pp 1045-1057. ([paper](#))

Other Publications Using This Data

TCIA maintains [a list of publications](#) which leverage TCIA data. If you have a manuscript you'd like to add please [contact the TCIA Helpdesk](#).

Versions

Version 1 (Current) : 2021/02/02

Data Type	Download all or Query/Filter
Tissue Slide Images (SVS, 66.69 GB)	
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