

# Resource Summary Report

Generated by [kravitz2](#) on Jul 28, 2026

## Cancer Imaging Phenomics Toolkit

RRID:SCR\_017323

Type: Tool

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### Proper Citation

Cancer Imaging Phenomics Toolkit (RRID:SCR\_017323)

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### Resource Information

**URL:** <https://www.med.upenn.edu/cbica/captk/>

**Proper Citation:** Cancer Imaging Phenomics Toolkit (RRID:SCR\_017323)

**Description:** Software platform for analysis of radiographic cancer images. Used as quantitative imaging analytics for precision diagnostics and predictive modeling of clinical outcome.

**Abbreviations:** CaPTk

**Synonyms:** Cancer Imaging Phenomics Toolkit

**Resource Type:** software application, image analysis software, software resource, data processing software

**Defining Citation:** [PMID:29340286](#)

**Keywords:** analysis, radiographic, cancer, image, quantitative, analytics

**Related Condition:** Cancer

**Funding:** NCI U24 CA189523

**Availability:** Free, Available for download, Freely available

**Resource Name:** Cancer Imaging Phenomics Toolkit

**Resource ID:** SCR\_017323

**Alternate URLs:** <https://github.com/CBICA/CaPTk/>

**License:** <https://github.com/CBICA/CaPTk/blob/master/LICENSE>

**Record Creation Time:** 20220129T080334+0000

## Ratings and Alerts

No rating or validation information has been found for Cancer Imaging Phenomics Toolkit.

No alerts have been found for Cancer Imaging Phenomics Toolkit.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 7 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Fathi Kazerooni A, et al. (2025) The radiogenomic and spatiogenomic landscapes of glioblastoma and their relationship to oncogenic drivers. Communications medicine, 5(1), 55.

Varghese BA, et al. (2024) Technical and clinical considerations of a physical liver phantom for CT radiomics analysis. Journal of applied clinical medical physics, 25(4), e14309.

Singh G, et al. (2024) -New frontiers in domain-inspired radiomics and radiogenomics: increasing role of molecular diagnostics in CNS tumor classification and grading following WHO CNS-5 updates. Cancer imaging : the official publication of the International Cancer Imaging Society, 24(1), 133.

Bianconi A, et al. (2023) Deep learning-based algorithm for postoperative glioblastoma MRI segmentation: a promising new tool for tumor burden assessment. Brain informatics, 10(1), 26.

Moya-S??ez E, et al. (2022) Synthetic MRI improves radiomics-based glioblastoma survival prediction. NMR in biomedicine, 35(9), e4754.

Varghese BA, et al. (2021) Predicting clinical outcomes in COVID-19 using radiomics on chest radiographs. The British journal of radiology, 94(1126), 20210221.

Fathi Kazerooni A, et al. (2020) Cancer Imaging Phenomics via CaPTk: Multi-Institutional Prediction of Progression-Free Survival and Pattern of Recurrence in Glioblastoma. JCO clinical cancer informatics, 4, 234.