

QIN-BREAST-02

Summary

This data is from a multi-site, multi-parametric quantitative MRI study of adult (18+ years old) females diagnosed with invasive breast cancer. Subjects all had a lesion size >1cm in longest dimension and were undergoing neoadjuvant therapy. Participants were scanned prior to any therapy and then 2-3 times after the initiation of neoadjuvant therapy, depending upon their treatment regimen. All data sets were acquired with a research-only protocol, including: DWI (SE EPI), OGSE, qMT, B0 map, multi-flip T1 map, Bloch-Siegert B1 map, DCE, and a T1-weighted anatomical image.

This dataset is an extension of the original [QIN-BREAST](#) collection, with updated scan protocols and data collected at both Vanderbilt University Medical Center and the University of Chicago to demonstrate reproducible results at multiple sites (both using Philips 3T MR scanners).

Acknowledgements





We would like to acknowledge the individuals and institutions that have provided data for this collection:

- Thomas E. Yankeelov, Ph.D. (University of Texas at Austin),
- Gregory S. Karczmar Ph.D.(University of Chicago),
- Richard G. Abramson, M.D. and Lori Arlinghaus, Ph.D. (Vanderbilt University Medical Center)

Data Access

Data Access

This is a **limited access** data set. To request access, please contact help@cancerimagingarchive.net. Once access is granted, click the **Download** button to save a ".tcia" manifest file to your computer, which you must open with the [NBIA Data Retriever](#). Click the **Search** button to open our Data Portal, where you can browse the data collection and/or download a subset of its contents.

Data Type	Download all or Query/Filter
Images (DICOM, 3.9 GB)	 
Clinical Data (XLSX)	
Acquisition Scan Parameters (XLSX)	

Click the Versions tab for more info about data releases.

Detailed Description

Detailed Description

Image Statistics	
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Modalities	MR
Number of Participants	13
Number of Studies	34
Number of Series	235
Number of Images	31,790
Images Size (GB)	3.9

Not all participants completed all rounds of imaging. Clinical spreadsheets are available. Acquisition scan parameter tables are available.

Citations & Data Usage Policy

Citations & Data Usage Policy

This is a **limited access** data set. Upon receiving access you may only use it for the purposes outlined in your request to the data provider. You are not allowed to redistribute the data or use it for other purposes. See TCIA's [Data Usage Policies and Restrictions](#) for additional details. Questions may be directed to help@cancerimagingarchive.net.

Please be sure to acknowledge both this data set and TCIA in publications by including the following citations in your work:

i Data Citation

Yankeelov TE, Karczmar GS, Abramson RG. (2019) **Data from QIN-BREAST-02[Dataset]**. The Cancer Imaging Archive. doi: [10.7937/TCIA.2019.4cfm06rr](https://doi.org/10.7937/TCIA.2019.4cfm06rr)

i Article citation

(coming soon)

i 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. DOI: [10.1007/s10278-013-9622-7](https://doi.org/10.1007/s10278-013-9622-7)





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

Update 2020/02/12: Clinical data table has one code revision, text/numeric values have not changed.

Version 1 (Current): Updated 2019/07/10

Data Type	Download all or Query/Filter
Images (DICOM, 4 GB)	<div data-bbox="643 485 837 541">  </div> <div data-bbox="846 485 1000 541">  </div> <p data-bbox="643 583 1000 615">(Requires NBIA Data Retriever.)</p>
Clinical Data (XLSX)	<div data-bbox="643 646 837 703">  </div>
Acquisition Scan Parameters (XLSX)	<div data-bbox="643 741 837 798">  </div>

Added new subjects, 10/22/2019 corrected error in clinicaldata spreadsheet.