

QIBA CT-1C

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Summary

The QIBA CT-1C phantom collection was designed and shared to assist in Characterizing Variability, sans Biology. This data set was contributed by RSNA's [Quantitative Imaging Biomarker Alliance](#) activity, [Volumetric CT Group 1C](#). Multiple image sets of the same phantoms were re-scanned across centers to isolate contributors to variability. The goal was to determine necessary control conditions to be documented in QIBA profiles, ensuring that the output for imaging when performed under these conditions will be adequately precise and accurate when scanned on profile-compliant equipment. Much more information about this data set can be found on the QIBA CT-1C wiki page at http://qibawiki.rsna.org/index.php?title=VolCT_-_Group_1C.

Data Access

Data Access

Data Type	Download all or Query/Filter	License
Images and Segmentations (DICOM, 36.51 GB)	Download Search (Download requires the NBIA Data Retriever)	CC BY 3.0

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Additional Resources for this Dataset

The NCI Cancer Research Data Commons (CRDC) provides access to additional data and a cloud-based data science infrastructure that connects data sets with analytics tools to allow users to share, integrate, analyze, and visualize cancer research data.

- [Imaging Data Commons \(IDC\)](#) (Imaging Data)

Detailed Description

Detailed Description

Collection Statistics	
Modalities	CT, PR, SEG, SR
Number of Patients	1
Number of Studies	468
Number of Series	1599
Number of Images	69,258
Image Size (GB)	36.51

Metadata

Much more information about this data set can be found on the QIBA CT-1C wiki page at http://qibawiki.rsna.org/index.php?title=VolCT_-_Group_1C. In addition to the actual image scans there are structured reports and segmentation files available. These are stored along side the images in DICOM format.

Citations & Data Usage Policy

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Users must abide by the [TCIA Data Usage Policy and Restrictions](#). Attribution should include references to the following citations:

Data Citation

Fenimore, C., McNitt-Gray, M. F., Clunie, D., Gavrielides, M. A., Petrick, N., Samei, E., Chen, B., Saiprasad, G., Jen-Sho Chen, J., Boedeker, K., Chen-Mayer, H., Barudin, J., Beute, B., Byrne, K., Edeburn, G., Kaplan, S., Sherman, J., & Slazak, K. (2016). **Data from QIBA CT-1C (Version 1) [Data set]**. The Cancer Imaging Archive. <https://doi.org/10.7937/k9/tcia.2016.yxgr4blu>

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. (2013) **The Cancer Imaging Archive (TCIA): Maintaining and Operating a Public Information Repository**, Journal of Digital Imaging, Volume 26, Number 6 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](#) that leverage our data. If you have a publication you'd like to add, please [contact TCIA's Helpdesk](#).

Versions

Version 1 (Current): Updated 2011/11/28

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