

QIBA CT-1C



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](http://qibawiki.rsna.org/index.php?title=VolCT_-_Group_1C).

Data Access Detailed Description Citations & Data Usage Policy Versions

Data Access

Choosing the Download option will provide you with a file to launch the TCIA Download Manager to download the entire collection. If you want to browse or filter the data to select only specific scans/studies please use the [Search By Collection](#) option.

Data Type	Download all or Query/Filter
Images (DICOM, 36.51 GB)	 

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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](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

This collection is freely available to browse, download, and use for commercial, scientific and educational purposes as outlined in the [Creative Commons Attribution 3.0 Unported License](#). See [TCIA's Data Usage Policies and Restrictions](#) for additional details. Questions may be directed to help@cancerimagingarchive.net.

Please be sure to include the following citations in your work if you use this data set:

Data Citation

Fenimore, Charles, McNitt-Gray, Michael F., Clunie, David, Gavrielides, Marios A., Petrick, Nicholas, Samei, Ehsan, ... Slazak, Katherine. (2016). Data from QIBA CT-1C. The Cancer Imaging Archive. <http://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. **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 our data. At this time we are not aware of any publications based on this data. If you have a publication you'd like to add please [contact the TCIA Helpdesk](#).

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

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