

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

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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 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 and Segmentations (DICOM, 36.51 GB)	 

Click the Versions tab for more info about data releases.

Detailed Description

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Collection Statistics	
Modalities	CT, PR, SEG, SR
Number of Participants	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

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Users of this data must abide by the [TCIA Data Usage Policy](#) and the [Creative Commons Attribution 3.0 Unported License](#) under which it has been published. Attribution should include references to the following citations:

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. DOI: [10.7937/K9/TCIA.2016.YxgR4blU](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. 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](#).

Versions

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

Data Type	Download all or Query/Filter
Images (DICOM, 36.51 GB)	<div style="display: flex; gap: 10px;"> <div style="background-color: #007bff; color: white; padding: 5px 10px; border-radius: 3px; display: inline-block;"> Download</div> <div style="background-color: #ffc107; color: white; padding: 5px 10px; border-radius: 3px; display: inline-block;"> Search</div> </div> <p>(Requires the NBIA Data Retriever .)</p>