QIN LUNG CT

Summary

The Computed tomography (CT) Image data was obtained on patients diagnosed with Non-Small Cell Lung Cancer (NSCLC) with mixed stage & histology from the H. Lee Moffitt Cancer Center and Research Institute. Scans were obtained from patients who underwent surgical resection and had corresponding pre-surgery diagnostic CTs. The scans were de-identified following HIPPA guidelines to protect patient privacy. The data was shared with the QIN collaborators for research purpose complying with collaborative data sharing policy of the H. Lee Moffitt Total Cancer Care (TCC) .

About the NCI QIN

The mission of the QIN is to improve the role of quantitative imaging for clinical decision making in oncology by developing and validating data acquisition, analysis methods, and tools to tailor treatment for individual patients and predict or monitor the response to drug or radiation therapy. More information is available on the Quantitative Imaging Network Collections page. Interested investigators can apply to the QIN at: Quantitative Imaging for Evaluation of Responses to Cancer Therapies (U01) PAR-11-150.

Data Access

Data Access

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, 2.27GB)	Download Search

Click the Versions tab for more info about data releases.

Third Party Analyses of this Dataset

TCIA encourages the community to publish your analyses of our datasets. Below is a list of such third party analyses published using this Collection:

- Long and Short Survival in Adenocarcinoma Lung CTs
- QIN multi-site collection of Lung CT data with Nodule Segmentations

Detailed Description

Detailed Description

Collection Statistics	
Modalities	CT
Number of Patients	47

Number of Studies	47
Number of Series	47
Number of Images	3954
Image Size (GB)	0.xxx

Citations & Data Usage Policy

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

Data Citation

Goldgof, Dmitry, Hall, Lawrence, Hawkins, Samuel, Schabath, Matthew, Stringfield, Olya, Garcia, Alberto, … Gillies, Robert. (2015). Data From QIN_LUNG_CT. The Cancer Imaging Archive. http://doi.org/10.7937/K9/TCIA.2015.NPGZYZBZ

QIN LUNG CT Challenge Citation

Jayashree Kalpathy-Cramer, Sandy Napel, Dmitry Goldgof, Binsheng Zhao. QIN multi-site collection of Lung CT data with Nodule Segmentations. http://dx.doi.org/10.7937/K9/TCIA.2015.1BUVFJR7

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

1. Goldgof.D, Cramer J, Hawkins S, Napel S, Gu Y, Hall L, Gillies R, Feature Stability across segmentation difference.., (in preparation).

TCIA maintains a list of publications that leverage our data. At this time we are not aware of any additional publications based on this data. If you have a publication you'd like to add, please contact the TCIA Helpdesk.

Versions

Version 2 (Current): Updated 2017/07/31

Data Type	Download all or Query/Filter
Images (DICOM, 2.27GB)	Download Search (Requires the NBIA Data Retriever.)

Added DICOM for 37 new subjects

Version 1: Updated 2014/12/17

Data Type	Download all or Query/Filter
Images (DICOM, 0.97GB)	Download Search (Requires the NBIA Data Retriever.)