



# 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, 2.08GB)	 

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 \(LUAD-CT-Survival\)](#)
- [QIN multi-site collection of Lung CT data with Nodule Segmentations \(QIN-LungCT-Seg\)](#)

#### Detailed Description

### Detailed Description

Collection Statistics	
Modalities	CT

Number of Participants	47
Number of Studies	47
Number of Series	47
Number of Images	3954
Image Size (GB)	2.08

### **Citations & Data Usage Policy**

## **Citations & Data Usage Policy**

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:

#### **i Data Citation**

Goldgof, D., Hall, L., Hawkins, S., Schabath, M., Stringfield, O., Garcia, A., Balagurunathan, Y., Kim, J., Eschrich, S., Berglund, A., Gatenby, R., & Gillies, R. (2015). **Data From QIN\_LUNG\_CT [Data set]**. The Cancer Imaging Archive. <https://doi.org/10.7937/K9/TCIA.2015.NPGZYBZ>

#### **i QIN LUNG CT Challenge Citation**

Kalpathy-Cramer J, Napel S, Goldgof D, Zhao B. **QIN multi-site collection of Lung CT data with Nodule Segmentations**. <https://doi.org/10.7937/K9/TCIA.2015.1BUVFJR7>

#### **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. <https://doi.org/10.1007/s10278-013-9622-7>



## **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, 2.08GB)	<div data-bbox="548 247 747 310" style="display: inline-block; margin-right: 10px;">  </div> <div data-bbox="764 247 930 310" style="display: inline-block;">  </div> <p data-bbox="548 352 954 384">(Requires the <a href="#">NBIA Data Retriever</a> .)</p>

Added DICOM for 37 new subjects

### Version 1: Updated 2014/12/17

Data Type	Download all or Query/Filter
Images (DICOM, 0.97GB)	<div data-bbox="548 659 747 722" style="display: inline-block; margin-right: 10px;">  </div> <div data-bbox="764 659 930 722" style="display: inline-block;">  </div> <p data-bbox="548 764 954 795">(Requires the <a href="#">NBIA Data Retriever</a> .)</p>