QIN LUNG CT

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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 HIPAA 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

Data Type	Download all or Query/Filter	License
Images (DICOM, 2.08GB)	*Download* *Search* (Download requires the NBIA Data Retriever)	CC BY 3.0

Click the Versions tab for more info about data releases.

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)

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

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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 must abide by the TCIA Data Usage Policy and Restrictions. Attribution should include references to the following citations:

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 (version 2) [Data set]**. The Cancer Imaging Archive. https://doi.org/10.7937/K9/TCIA.2015.NPGZYZBZ

Data Citation

Kalpathy-Cramer J, Napel S, Goldgof D, Zhao B. (2015) **QIN multi-site collection of Lung CT data with Nodule Segmentations.** https://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. (2013). **The Cancer Imaging Archive (TCIA): Maintaining and Operating a Public Information Repository.** In Journal of Digital Imaging (Vol. 26, Issue 6, pp. 1045–1057). Springer Science and Business Media LLC. https://doi.org/10.1007/s10278-013-9622-7 PMCID: PMC3824915

Other Publications Using This Data

TCIA maintains a list of publications which leverage our data. If you have a publication you'd like to add, please contact TCIA's Helpdesk.

Versions

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

Data Type	Download all or Query/Filter
Images (DICOM, 2.08GB)	*Download Search* (Download 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* (Download requires the NBIA Data Retriever)

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