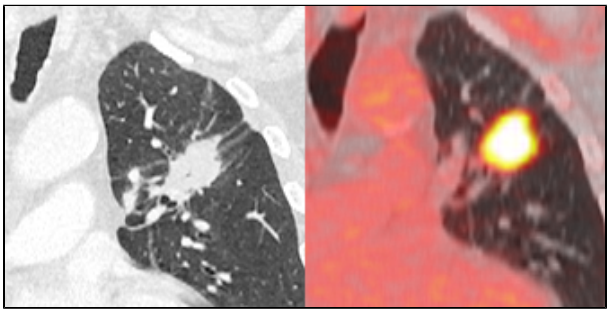
NSCLC Radiogenomics: Initial Stanford Study of 26 Cases (NSCLC Radiogenomics-Stanford)

Description

This subset of NSCLC Radiogenomics contains images from patients with non-small cell lung cancer (NSCLC) imaged prior to surgical excision with both thin-section computed tomography (CT) and whole body positron emissions tomography (PET) /CT scans acquired under Institutional Review Board approval from Stanford University and the Veterans Administration Palo Alto Health Care System. The first installment of 26 cases (see shared list "NSCLC Radiogenomics: Initial Stanford Study of 26 Cases") corresponds to microarray data acquired from the excised samples, which is available on the National Center for Biotechnology Information (NCBI) Gene Expression Omnibus, where Digital Imaging and Communications in Medicine (DICOM) patient names are identical to microarray sample names.

For scientific and other inquiries about this dataset, please contact TCIA's Helpdesk.



Data Access

Data Access

Data Type	Download all or Query/Filter	License
Images (DICOM, 7.7 GB)	Download (Requires NBIA Data Retriever)	CC BY 3.0
Microarray Samples	Search	CC BY 3.0

Please contact help@cancerimagingarchive.net with any questions regarding usage.

Collections Used in this Third Party Analysis

Below is a list of the Collections used in these analyses:

- NSCLC Radiogenomics

Detailed Description

Detailed Description

The original 26 cases referenced in this manuscript have been renamed. A list of the mapping between GSM-XXX Patient IDs and R01-XXX Patient IDs can be found here.

	Radiology Statistics
Image Size (GB)	7.7
Modalities	CT, PT, SEG
Number of Images	23,081
Number of Participants	26
Number of Series	119
Number of Studies	51

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

Napel, Sandy, & Plevritis, Sylvia K. (2014). **NSCLC Radiogenomics: Initial Stanford Study of 26 Cases (NSCLC Radiogenomics-Stanford) [Data Set].** The Cancer Imaging Archive. http://doi.org/10.7937/K9/TCIA.2014.X7ONY6B1

Publication Citation

Gevaert, O., Xu, J., Hoang, C. D., Leung, A. N., Xu, Y., Quon, A., … Plevritis, S. K. (2012, August). **Non-Small Cell Lung Cancer: Identifying Prognostic Imaging Biomarkers by Leveraging Public Gene Expression Microarray Data -Methods and Preliminary Results**. Radiology. Radiological Society of North America (RSNA). http://doi.org/10.1148/radiol.12111607

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 that leverage TCIA data. If you have a manuscript you'd like to add please contact TCIA's Helpdesk.

Versions

Version 1 (Current): 2013/03/01

Data Type	Download all or Query/Filter
Images (DICOM)	Download
Microarray Samples	Search