

Head-Neck Cetuximab

Summary

This collection combines advanced molecular imaging treatment response assessment through pre- and post-treatment FDG PET/CT scans with therapy of advanced head and neck cancer, including chemo-radiation therapy with and without addition of an EGFR inhibitor molecular targeted agent (Cetuximab).

The Head-Neck Cetuximab collection consists of a subset of image data from RTOG 0522/ACRIN 4500, which was randomized phase III Trial of Radiation Therapy and Chemotherapy for stage III and IV Head and Neck carcinomas. The RTOG 0522/ACRIN 4500 protocols were activated in November 2005 and successfully completed accrual of 945 patients in 2009. As part of the RTOG 0522 trial, institutions had the option to join the RTOG 0522/ACRIN 4500 imaging study. The post-treatment FDG PET/CT scan was performed 8-9 weeks after completion of treatment before any nodal dissection. For this reason the data was provided through two independent channels:

- [RTOG 0522](#): CT, Structures, RT Doses, RT Plans sent to ITC
- ACRIN 4500: Quantitative PET (PET/CT) sent to ACRIN

For more information about the original aims of this trial please see this oral abstract: J Clin Oncol 29: 2011 (suppl; abstr 5500) here: <https://meetinglibrary.asco.org/record/63118/video> .

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 (48.8GB)	 
DICOM Metadata Digest (CSV)	

Click the Versions tab for more info about data releases.

Detailed Description

Detailed Description

Collection Statistics	
Modalities	PT, CT, RTSTRUCT, RTDOSE, RTPLAN
Number of Patients	111
Number of Studies	368
Number of Series	1,682
Number of Images	202,574

Image Size (GB)	48.8
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Supporting Documentation and metadata

Please note that 10 cases in this collection do not contain RT data. Eight cases whose RT QA scores that were not "Per Protocol" or "Variation Acceptable" were excluded: 96, 133, 141, 143, 154, 182, 475, 478. Also, subject 243 was ineligible and subject 260 expired prior to follow-up.

Citations & Data Usage Policy

Citations & Data Usage Policy

This collection is freely available to browse, download, and use for commercial, scientific and educational purposes as outlined in the [Creative Commons Attribution 3.0 Unported License](#). See TCIA's [Data Usage Policies and Restrictions](#) for additional details. Questions may be directed to help@cancerimagingarchive.net.

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

Data Citation

Bosch, Walter R., Straube, William L., Matthews, John W., & Purdy, James A. (2015). Data From Head-Neck_Cetuximab. The Cancer Imaging Archive. <http://doi.org/10.7937/K9/TCIA.2015.7AKGJUPZ>

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

See the [Head-Neck Cetuximab](#) section on our [Publications](#) page for other work leveraging this collection. If you have a publication you'd like to add please [contact the TCIA Helpdesk](#).

Versions

Version 1 (Current): Updated 2013/11/14

Data Type	Download all or Query/Filter
Images (48.8GB)	<div style="display: flex; gap: 10px;">   </div> <p>(Requires the NBIA Data Retriever.)</p>
DICOM Metadata Digest (CSV)	