

# LGG-1p19qDeletion

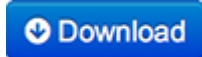



## Summary

These MRIs are pre-operative examinations performed in 159 subjects with Low Grade Gliomas (WHO grade II & III). Segmentation of tumors in three axial slices that include the one with the largest tumor diameter and ones below and above are provided in NiFTI format. Tumor grade and histologic type are also available. All of these subjects have biopsy proven 1p19q results, performed using FISH. For the 1p/19q status "n/n" means neither 1p nor 19q were deleted. "d/d" means 1p and 19q are co-deleted.

### 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, 2.7GB)	 
Segmentations (NiFTI, 2.9GB)	
1p19q Status and Histologic Type	

Click the Versions tab for more info about data releases.

### Detailed Description

#### Detailed Description

Collection Statistics	Updated 2017/07/31
Modalities	MRI, SEG, NiFTI
Number of Patients	159
Number of Studies	160
Number of Series	319
Number of Images	17360
Image Size (GB)	2.7

#### Supporting Documentation and Metadata

For the 1p/19q status "n/n" means neither 1p nor 19q were deleted. "d/d" means 1p and 19q are co-deleted.

### 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](mailto:help@cancerimagingarchive.net).

**[Please be sure to include the following citations in your work if you use this data set:](#)**

### Data Citation

Erickson, Bradley; Akkus, Zeynettin; Sedlar, Jiri; Korfiatis, Panagiotis. (2017). Data From LGG-1p19qDeletion. The Cancer Imaging Archive. DOI: [10.7937/K9/TCIA.2017.dwehtz9v](https://doi.org/10.7937/K9/TCIA.2017.dwehtz9v)

### Publication Citation

Zeynettin Akkus, Issa Ali, Jiří Sedlá, Jay P. Agrawal, Ian F. Parney, Caterina Giannini, and Bradley J. Erickson. **Predicting Deletion of Chromosomal Arms 1p/19q in Low-Grade Gliomas from MR Images Using Machine Intelligence**. J Digit Imaging. 2017 Aug; 30(4): 469–476. Published online 2017 Jun 9. DOI: [10.1007/s10278-017-9984-3](https://doi.org/10.1007/s10278-017-9984-3). PMCID: PMC5537096

### 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. <https://doi.org/10.1007/s10278-017-9965-6> Bradley J. Erickson, Panagiotis Korfiatis, Zeynettin Akkus, Timothy Kline, Kenneth Philbrick. **Toolkits and Libraries for Deep Learning**. Journal of Digital Imaging 2017 p1618-1627.

TCIA maintains [a list of publications](#) that leverage our data. If you have a publication you'd like to add, please [contact the TCIA Helpdesk](#).

### Versions

#### **Version 1 (Current): Updated 2017/09/30**

Data Type	Download all or Query/Filter
Images (2.7GB)	 
Segmentations (NiFTi, 2.9GB)	
1p19q Status and Histologic Type	