

Prostate-3T




Summary

Prostate transversal T2-weighted magnetic resonance images (MRIs) acquired on a 3.0T Siemens TrioTim using only a pelvic phased-array coil were acquired for prostate cancer detection. The data was provided to TCIA as part of an [ISBI challenge competition in 2013](#).

Data Access

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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, 284MB)	 
Seminal vesicles (SV) and neurovascular bundle (NVB) Segmentations (zip)	

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:

- [NCI-ISBI 2013 Challenge: Automated Segmentation of Prostate Structures](#)

Detailed Description

Detailed Description

Collection Statistics	
Modalities	MR (T2W)
Number of Patients	64
Number of Studies	64
Number of Series	64
Number of Images	1,258
Image Size (MB)	284

Metadata

On some cases in this collection segmentations are available. The segmentations were constructed using MeVisLab (<http://www.mevislab.de>).

- [NCI-ISBI_Challenge-Prostate3T_Training_Segmentations.zip](#) - Segmentations of central gland and the peripheral zone. More information about the nature of these segmentations can be found on the [NCI-ISBI 2013 Challenge - Automated Segmentation of Prostate Structures](#) page.
- [Prostate3T_Training_Segmentations.zip](#) - Segmentations of the neurovascular bundle and seminal vesicles are available as MHA files. These were provided as part of a planned follow up competition that did not materialize.

Citations & Data Usage Policy

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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

Litjens, Geert, Futterer, Jurgen, & Huisman, Henkjan. (2015). **Data From Prostate-3T**. The Cancer Imaging Archive. DOI: [10.7937/K9/TCIA.2015.QJTV5IL5](https://doi.org/10.7937/K9/TCIA.2015.QJTV5IL5)

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**, Journal of Digital Imaging, Volume 26, Number 6 pp 1045-1057. DOI: [10.1007/s10278-013-9622-7](https://doi.org/10.1007/s10278-013-9622-7)

Other Publications Using This Data




- Bloch N, Rusu M, et al. (2015) [NCI-ISBI 2013 Challenge: Automated Segmentation of Prostate Structures](#). TCIA. St. Louis, MO

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 2013/05/31

Downloads require the [NBIA Data Retriever](#).

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NCI ISBI Challenge - Segmentations of central gland and the peripheral zone (zip)	
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