



# 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

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Collection Statistics	
Modalities	MR (T2W)
Number of Participants	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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Users of this data must abide by the [Creative Commons Attribution 3.0 Unported License](#) under which it has been published. Attribution should include references to the following citations:

### 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](#).

<b>Data Type</b>	<b>Download all or Query/Filter</b>
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Images (DICOM, 284MB)	<a href="#">Download</a> <a href="#">Search</a>
NCI ISBI Challenge - Segmentations of central gland and the peripheral zone (zip)	<a href="#">Download</a>
Seminal vesicles (SV) and neurovascular bundle (NVB) Segmentations (zip)	<a href="#">Download</a>