



# PROSTATE-MRI




## Summary

This collection of prostate Magnetic Resonance Images (MRIs) was obtained with an endorectal and phased array surface coil at 3T (Philips Achieva). Each patient had biopsy confirmation of cancer and underwent a robotic-assisted radical prostatectomy. A mold was generated from each MRI, and the prostatectomy specimen was first placed in the mold, then cut in the same plane as the MRI. The data was generated at the National Cancer Institute, Bethesda, Maryland, USA between 2008-2010. For scientific inquiries relating to this data set, please contact Drs. Peter L. Choyke ([pchoyke@mail.nih.gov](mailto:pchoyke@mail.nih.gov)) or Baris Turkbey at ([turkbey@mail.nih.gov](mailto:turkbey@mail.nih.gov)).

### 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, 3.2GB)   |   |
| Pathology Images (JPEG) |    |

Click the Versions tab for more info about data releases.

### Detailed Description

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| Collection Statistics  |                       |
|------------------------|-----------------------|
| Modalities             | MR (with some PET/CT) |
| Number of Participants | 26                    |
| Number of Studies      | 26                    |
| Number of Series       | 182                   |
| Number of Images       | 22,036                |
| Image Size (GB)        | 3.2                   |

### 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

Choyke P, Turkbey B, Pinto P, Merino M, Wood B. (2016). Data From PROSTATE-MRI. The Cancer Imaging Archive. <http://doi.org/10.7937/K9/TCIA.2016.6046GUDv>

### 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

TCIA maintains [a list of publications](#) that leverage our data. At this time we are not aware of any publications based on this data. If you have a publication you'd like to add, please [contact the TCIA Helpdesk](#).

### Versions

#### **Version 1 (Current): Updated 2011/06/30**

| Data Type               | Download all or Query/Filter   |
|-------------------------|--|
| Images (DICOM, 3.2GB)   | <div style="display: flex; gap: 10px;"> <div style="background-color: #007bff; color: white; padding: 5px 10px; border-radius: 5px;"> Download</div> <div style="background-color: #ffc107; color: white; padding: 5px 10px; border-radius: 5px;"> Search</div> </div> <p>(Requires the <a href="#">NBIA Data Retriever</a> .)</p> |
| Pathology Images (JPEG) | <div style="background-color: #007bff; color: white; padding: 5px 10px; border-radius: 5px;"> Download</div>  |

Update May 2018: The download of these data is no longer Limited to users with specific permission from the PIs of the Collection.