

# Proton Therapy for Prostate Cancer

**Proton therapy is a precise treatment for prostate cancer that delivers high doses of radiation directly to tumors. The treatment's accuracy works to eliminate cancerous cells while minimizing exposure to non-targeted, healthy tissue near the prostate. As a result, men get the benefit of extremely precise tumor targeting with a lower risk for potential side effects.**

## How Proton Therapy Works

During treatment, a narrow proton beam is guided to focus the highest energy of the beam at the prostate.

While the proton beam is being delivered, it can also:

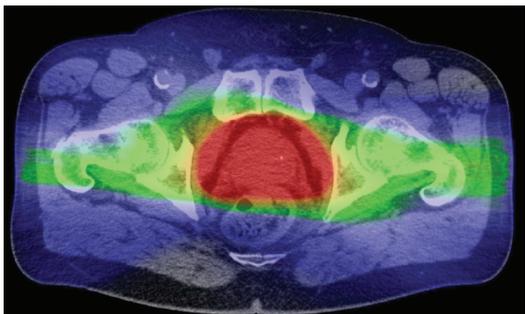
- Be designed to conform to the shape, size and depth of tumors
- Limit excess radiation near surrounding areas of the body

## Precise Radiation Targeting

Once the proton beam enters the body to treat the prostate, there is less radiation exposure on the way into the target and little to no radiation exposure beyond the target, which helps protect nearby tissue.



*Proton Therapy*



*Conventional X-Ray Therapy*

**Red:** High Radiation Dose  
**Green:** Intermediate Radiation Dose  
**Blue:** Low Radiation Dose

## Proton Therapy Candidates

Proton therapy can treat tumors in sensitive areas of the body, often with less exposure to normal tissue than conventional therapy. In many cases, it is an ideal treatment option for prostate cancer patients. Proton therapy can also treat more extensive targets, such as the pelvic lymph nodes, while minimizing exposure to the bladder and bowel. Patients who receive proton therapy for prostate cancer may also experience fewer side effects than those receiving standard radiation therapy.

## More Benefits of Proton Therapy

- Non-invasive and may reduce side effects
- May reduce recurrence rates for many cases
- Patients can maintain their quality of life during and after treatment
- May treat areas near previously irradiated volumes
- Potentially faster recovery time after treatment

## Refer a Patient Today

To refer a patient to Texas Center for Proton Therapy, fax the applicable referral form and the patient's medical records to the patient intake team at 469-420-9619. Referrals can also be made online at [TexasCenterforProtonTherapy.com](http://TexasCenterforProtonTherapy.com) by clicking the "Request an Appointment" button in the upper right-hand corner of the home page. If you need further assistance or have questions, please call Texas Center for Proton Therapy at 469-513-5500.



**TEXAS CENTER**  
*for* **PROTON THERAPY**

*Targeting Cancer, Precisely*

## Texas Center for Proton Therapy

Texas Center for Proton Therapy provides an advanced lifesaving cancer treatment to North Texas — bringing more hope to cancer patients.

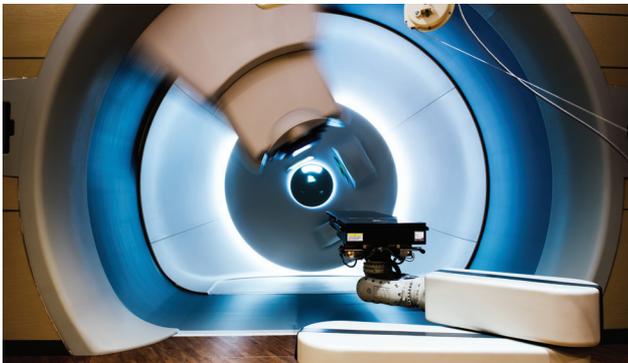
### Leading-Edge Technology

Texas Center for Proton Therapy offers some of the most advanced treatments available with next-generation proton and imaging technology.

- **Pencil-beam scanning**, combined with 4D treatment planning, allows for adaptation to complex-shaped tumors, improves dose conformity and reduces excess radiation to normal tissues.
- **Cone-beam computed tomography** (cone-beam CT) provides 3D volumetric imaging and targeting, which delivers improved anatomic visualization, better patient positioning and more precise targeting of cancerous tumors.
- **PET/CT** is a powerful imaging tool used to diagnose, stage or restage cancer, as well as evaluate the effectiveness of treatment.
- **Fluciclovine F-18 Axumin® PET scans** help identify areas of prostate cancer recurrence.
- **3-Tesla MRI** is double the strength of the clinical-setting standard and provides extremely clear and vivid images that can often be performed faster, decreasing overall scan time. The larger bore opening also has a more spacious feel and can accommodate larger patients.

### Clinical Expertise

With more than 70 years of combined experience delivering proton therapy, our physicians, nurses and scientists provide high-quality care for our patients.



469-513-5500

[www.TexasCenterForProtonTherapy.com](http://www.TexasCenterForProtonTherapy.com)



### Cancers Treated by Proton Therapy

- Bladder
- Brain
- Breast
- Esophageal
- Head, neck and skull base
- Liver
- Lung and thorax
- Lymphoma
- Pancreatic
- Pediatric
- Prostate
- Recurrent disease
- Sarcoma
- Spinal

### Patient-Centered Approach

Texas Center for Proton Therapy has a patient support services team dedicated to making patients' lives easier so they can focus on their care and recovery. Patient support services include:

- Wellness and nutrition programs
- Educational activities
- Focused therapeutic activities for patients, families and caregivers
- Friendship Room activities and child play area
- Assistance with logistics of care and travel
- On-site tours and patient orientations

Sources: American Cancer Society, American Society of Clinical Oncology, National Cancer Institute, Prostate Cancer Foundation and Texas Cancer Registry.



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