

Proton Therapy for Patients with Prostate Cancer

Talk to your doctor or call Provision to learn how Proton Therapy can help you.

Precision Therapy.

Lower risk of long-term side effects.

Proton Therapy is an advanced form of radiation therapy that precisely targets the tumor utilizing proton particles. Proton particles stop inside the body and do not deposit radiation beyond the tumor they are targeting, causing less damage to healthy tissue. Proton therapy is effective in treating a broad range of tumors including prostate, head and neck, central nervous system, lung, breast, gynecologic, sarcoma, gastrointestinal, pediatric cancers, and others.

Proven effective in treating prostate cancer

Most men with prostate cancer are candidates for proton therapy, depending on the stage of the cancer and the general health of the patient. Prostate cancer can be treated with surgery, standard X-ray therapy, or radioactive seed implantation (brachytherapy). However, to minimize damage to the bladder and rectum, which are near the prostate, the total dose of radiation that can be delivered to the prostate cancer is limited. Studies have shown that treatment with proton therapy results in excellent rates of cancer control with very low rates of serious bowel or bladder complications.

Compared to other forms of x-ray therapy, proton therapy reduces the amount of radiation given to surrounding critical organs such as the rectum and bladder by as much 60%. Men treated with proton therapy have a lower risk of long-term side effects.⁷

Visit ProtonBenefits.com for more information.

Proton Therapy Clinical Benefits

5% higher 5-year overall survival in intermediate risk⁵

Patients who received proton therapy report **highest quality of life** compared to surgery, x-ray, or brachytherapy patients⁶

35% less radiation to the bladder and **59% less** radiation to the rectum⁷

42% reduction in relative risk of developing a secondary malignancy⁵

50% reduction in treatment related bowel frequency and urgency at 2 years⁹

21% lower risk of urinary toxicity at 2 years¹⁰

25% lower risk of erectile dysfunction at 2 years¹⁰



Results from separate studies compared in some instances. The benefits of proton therapy for each individual patient will vary based on their individual diagnosis. A personal consultation with a proton-experienced radiation oncologist is recommended in all cases. Reference material and sources can be found at ProtonBenefits.com.

PROTON THERAPY BENEFITS

Prostate cancer treatment with protons compared to treatment with conventional radiation/X-rays/IMRT

With proton therapy, the rectum and bladder receive less radiation compared to conventional radiation/X-rays/IMRT. Men treated with proton therapy have a lower risk of long-term side effects, such as incontinence, bowel damage, and sexual dysfunction.

In the chart below, the grey and white areas indicate no radiation exposure, while the colored areas indicate radiation exposure.



PROSTATE CANCER TREATMENT COMPARISON

