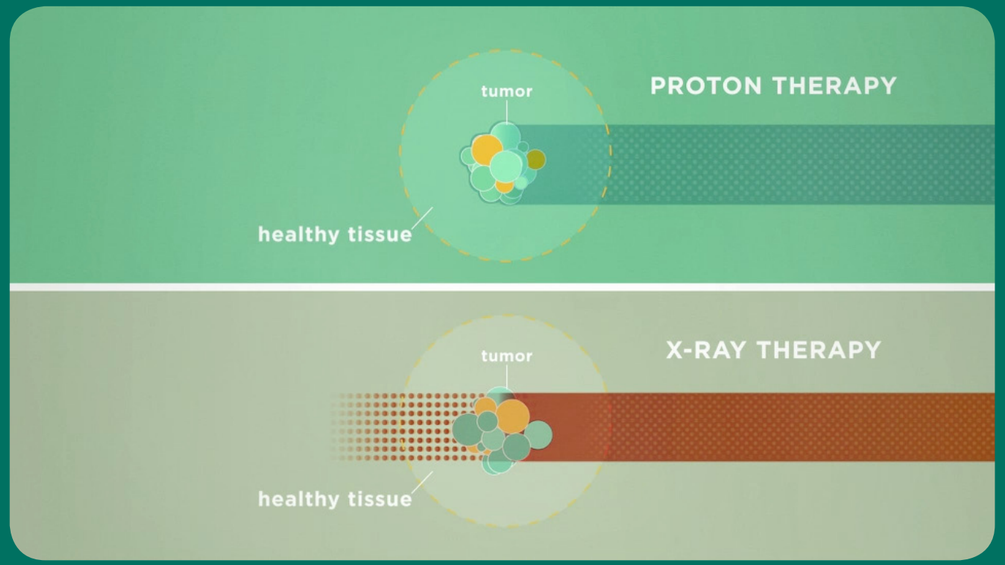
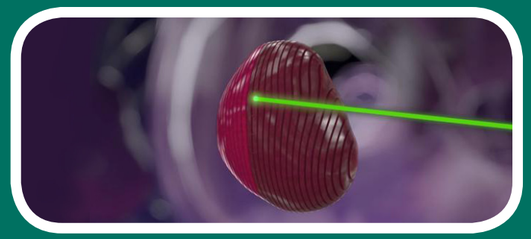
ADVANTAGES OF PROTONS

Proton therapy is an advanced and highly precise form of radiation treatment. It allows doctors to focus radiation directly into the tumor, reducing radiation to healthy tissue & the risk of side effects.



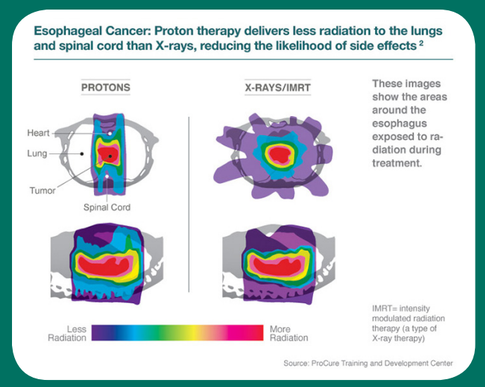


Pencil Beam Scanning

For patients who require more complex treatment, our center also offers innovative pencil-beam scanning (PBS) in our fixed-beam and gantry rooms. PBS "paints" a tumor with a very thin, very precise beam of protons that's accurate within millimeters, reducing even further the amount of radiation to healthy tissue.

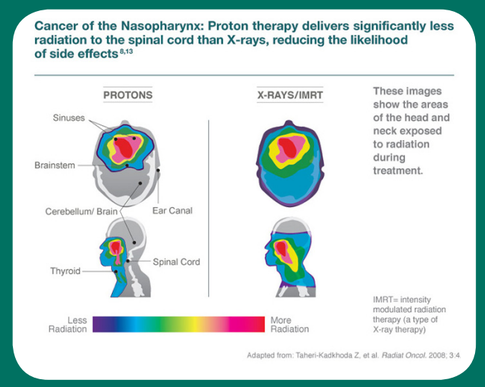
Gastrointestinal

In some GI cases, standard radiation isn't a viable treatment option for patients because it would cause too much damage to healthy tissues and organs near the tumor. Proton therapy patients with GI tract tumors often experience fewer side effects because surrounding tissue can be spared.



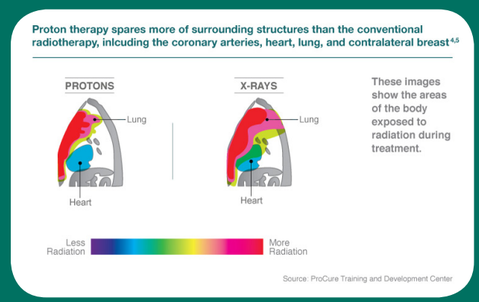
Head and Neck

When treating head and neck tumors it's critical to protect the delicate organs that surround the tumor. Proton therapy can substantially reduce damage to eyes, optic nerves, salivary glands, and other tissue and organs near head and neck tumors.



Breast

Conventional breast radiotherapy can expose the heart, lungs, and other organs to radiation. The result can be an increased risk of heart and lung disease and secondary malignancies years, even decades after treatment.



Brain

Too much radiation to the brain has been known to cause neurological dysfunction and even death. Compared with X-ray radiation therapy, proton therapy results in less exposure to normal brain tissue, eyes, and the optic nerve.