

WHAT IS PROTON THERAPY?

How it compares to conventional photon therapy



The National Association
for Proton Therapy

Proton therapy is a life-saving cancer treatment that delivers hope to patients around the world. **Backed by decades of science and delivered by proven technology**, proton therapy is ultra-precise, effective, and one of the most advanced cancer treatments available today.

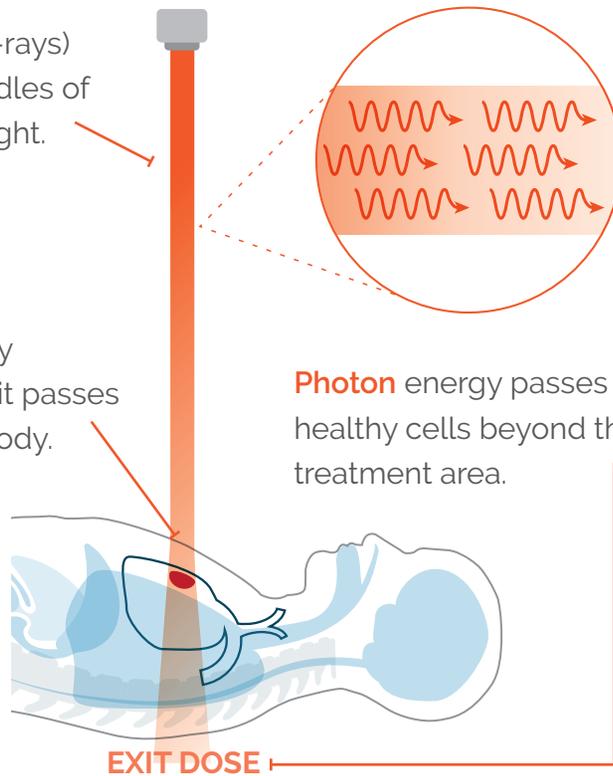
CONVENTIONAL PHOTON RADIATION:

Delivers radiation to the tumor as it passes through healthy tissue on either side of the treatment site.

Photons (or X-rays) are small bundles of high energy light.

Photon energy decreases as it passes through the body.

Photon energy passes through healthy cells beyond the treatment area.



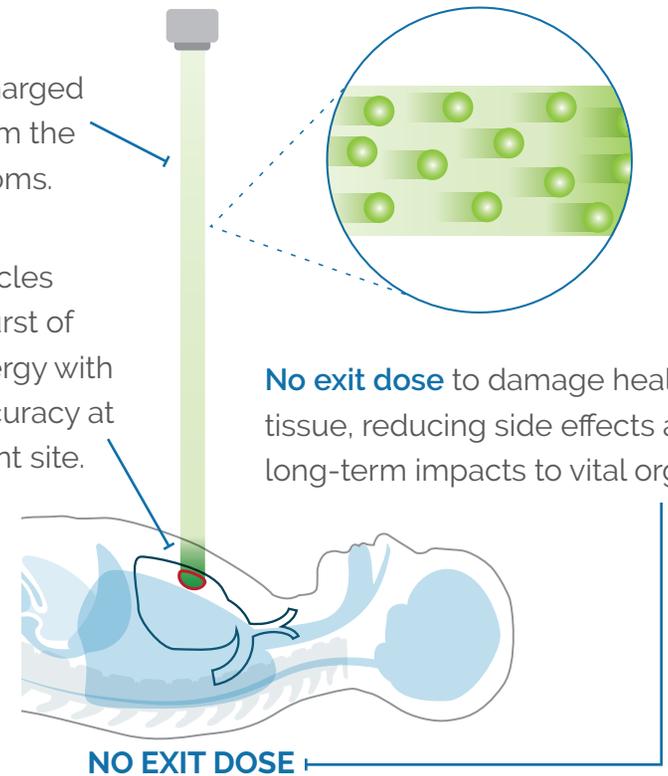
PROTON BEAM THERAPY:

Delivers targeted doses of radiation directly to the tumor, greatly reducing the risk of serious and debilitating side effects.

Protons are positively charged particles from the center of atoms.

Proton particles release a burst of isolated energy with pinpoint accuracy at the treatment site.

No exit dose to damage healthy tissue, reducing side effects and long-term impacts to vital organs.



✉ info@proton-therapy.org

☎ 202.919.4536

🌐 @national-association-for-proton-therapy

🐦 @naptprotons

proton-therapy.org