

PROTON THERAPY is a High Value Cancer Treatment



The National Association
for Proton Therapy

Proton therapy is a targeted and precise type of radiation therapy that results in fewer side effects for patients and higher quality of life during treatment and throughout survivorship. Proton therapy is a high value cancer treatment that results in short and long term cost savings for the healthcare system.

PROTON THERAPY:



Reduces acute adverse events and hospitalizations while keeping patients disease-free and increasing overall survival rates.²



Is **the preferred treatment for children** due to reduced secondary cancer and neurocognitive risks and decreased acute and chronic side effects.⁴



Lowers employer insurance costs by 4.7% compared to traditional radiation.¹



Enables **higher work productivity and lower rates of disability**, with a 26% absolute benefit at 2 years.³



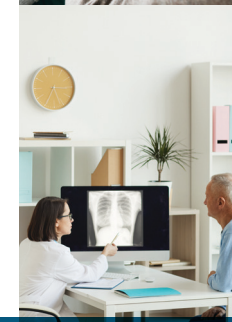
Offers a 2/3 reduction in severe adverse events for treatment of head and neck cancer and **decreases the need for feeding tubes and specialized diets**.⁵



Proton therapy reduces debilitating side effects and helps patients return to their daily lives and activities. When combined with other treatments, it may also contribute to higher cure rates and better quality-of-life for cancer patients.



Targeted therapies allow for gentler treatments that reduce side effects, hospitalizations, and secondary cancers – a benefit for cancer patients and caregivers.



The nation's top NCI designated and NCCN Cancer Centers value proton beam therapy and participate in multi-institutional research providing evidence that it improves outcomes for cancer patients.

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- (1) Ning, Palmer, et al. JCO Oncol. Pract. 2020.
- (2) Baumann et al. JAMA. 2020.
- (3) Smith, Grace & Ning, et al. IJROBP 2019.
- (4) Kahalley, Peterson, Ris, et al. JCO. 2020 & Chung, Yock, Nelson, et al. IJROBP 2013.
- (5) Manzar, Lester, Routman, et al. Radiotherapy and Oncol. 2020 & Romesser PB, Cahlon O, Scher E, et al. Ibid. 2016.

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