TALK TO OUR PATIENT NAVIGATOR

To learn if you are a candidate for proton therapy at our center, or to request more information, call today to speak with our Patient Navigator.

(855) MY-PROTON
(855) 697-7686

4100 Beecher Road
Flint, MI 48532

McLaren PROTON THERAPY CENTER | Karmanos CANCER INSTITUTE

KCI-019 (01.24)

PROTON THERAPY

FIGHTING CANCER WITH MINIMAL SIDE EFFECTS

McLaren PROTON THERAPY CENTER | Karmanos CANCER INSTITUTE

WORLD-CLASS CANCER TECHNOLOGY. WORLD-CLASS PATIENT EXPERIENCE.

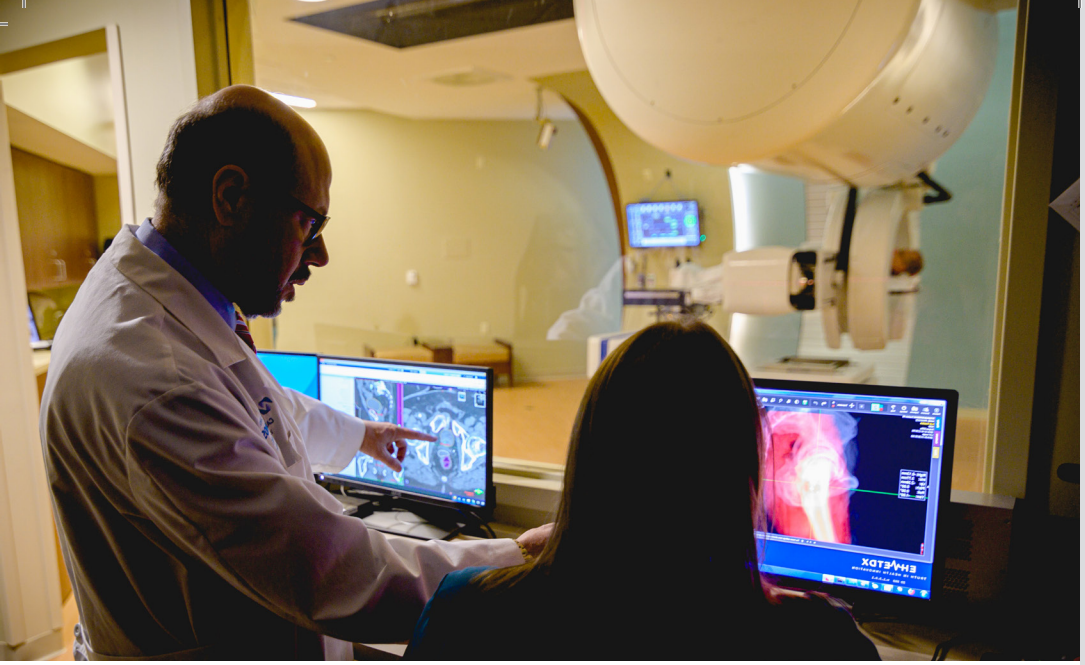
If you or a loved one has cancer, the McLaren Proton Therapy Center, part of the Karmanos Cancer Network, offers the most powerful and precise radiation oncology treatment available. Our highly skilled and experienced team of cancer specialists work collaboratively to provide an individualized treatment plan for each person's unique cancer and situation.

Located in Flint, Michigan, the McLaren Proton Therapy Center features leading treatment technology and expertise to deliver proton therapy with unmatched precision. This advanced technology delivers precise doses of radiation to cancer cells while sparing healthy tissue and reducing side effects. As a result, patients experience successful outcomes and a better quality of life during and after the treatment.

CARING FOR ALL YOUR NEEDS.

We understand the importance of addressing the nonphysical challenges that can often accompany a cancer diagnosis. We are here to help with the support services:

- Our intake specialist coordinates and streamlines the intake process. This professional is specially trained to address the unique needs of cancer patients and serve as a resource for all your questions and concerns.
- A registered dietitian is available to provide nutritional counseling, plan an optimal diet during treatment and help patients cope with any side effects.
- A certified art therapist is available to help patients and families cope with a cancer diagnosis, treatment and other related issues through the creative process of art.
- Spiritual support is available to patients and their families, with chaplain representation across many faiths.
- The Hospitality House at McLaren offers convenient and comfortable accommodations at a reasonable cost.
- Financial counseling and assistance is available. Our team advocates on behalf of patients to define benefits with insurance providers.
- Assistance for families who are interested in paying directly for care is also available.



CANCERS TREATED BY PROTON THERAPY.

Proton therapy most often treats solid tumors in sensitive areas where conventional therapy may not be the best option. This includes tumors that are close to critical structures, difficult to treat cancers and recurrent cancer after receiving previous radiation. Proton therapy is not appropriate for all cancers, but is particularly applicable to treat certain cancers, including:

- Bladder Cancer
- Brain and Central Nervous System Cancer
- Breast Cancer
- Esophageal Cancer
- Head, Neck, and Skull Base Cancer
- Kidney Cancer
- Lymphoma
- Liver Cancer
- Lung and Thorax Cancer
- Pancreatic Cancer
- Pediatric, Adolescent and Young Adult Cancer
- Prostate Cancer
- Sarcoma
- Spine and Chest Wall Cancer
- Select Gynecological and Gastrointestinal Cancer
- Recurrent disease

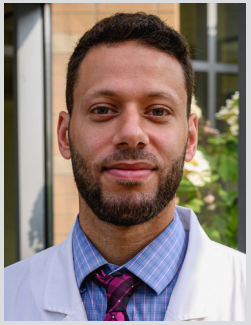
A TEAM OF RECOGNIZED EXPERTS.

The cancer-fighting technology at McLaren Proton Therapy Center is truly revolutionary, and the team of experts behind it is just as impressive. We're very proud of our highly accomplished and experienced staff that includes leading radiation oncologists and physicists, as well as other key medical professionals.

These experts are constantly pushing the frontiers of this technology, conducting critical research that will help to further advance this cutting-edge therapy while keeping their primary focus on destroying the cancer and providing patients with the best possible quality of life. This focus on medical expertise is blended with an emphasis on providing emotional, social and spiritual support for patients and their families.

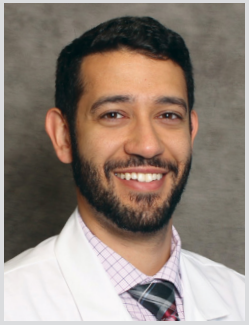
Hesham Gayar, MD
Medical Director
Radiation Oncologist

Christian Hyde, MD, DABR
Radiation Oncologist



Omar Gayar, MD
Radiation Oncologist

Brian Yeh, MD , PhD
Radiation Oncologist



Moaaz Soliman, MD
Radiation Oncologist

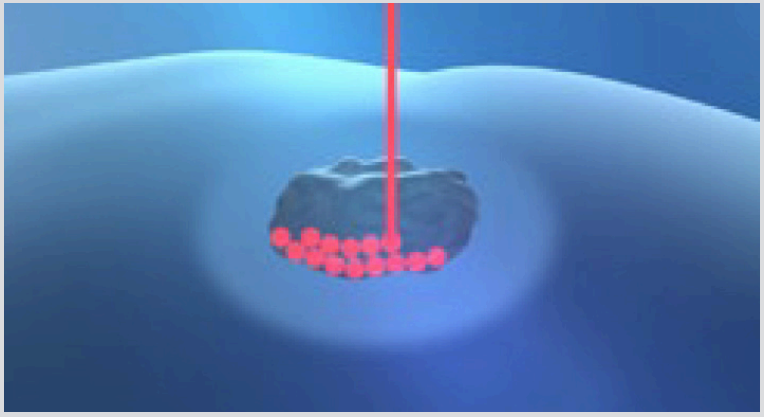
WHAT IS PROTON THERAPY?

Proton therapy is the most advanced radiation cancer treatment available. When treated with proton therapy, patients may experience fewer side effects and complications compared to conventional radiation. This is due to the precise delivery of radiation to the tumor target.

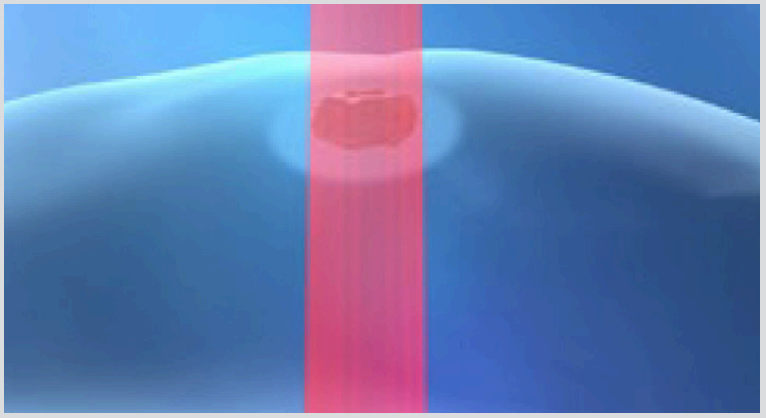
Proton Therapy is Non-Invasive.
Proton therapy does not require surgery to deliver the treatment. As the patient lays on the table, the radiation is delivered through protons that are directed to travel in the body, no further than the depth of the targeted tumor.

Patients Experience Minimal Side Effects with Proton Therapy.
With the advanced proton cancer treatment at McLaren Proton Therapy Center, experts can deliver proton radiation to the target tumor, while sparing healthy tissue, more so than what is possible with traditional radiation. With X-rays, when traditional radiation treatments are delivered to the target tumor, X-rays continue to travel through the other side of the body. This is called an exit dose. There is no exit dose with proton therapy, leading to less healthy tissue irradiation and fewer side effects. This also means less trips to the hospital during and after proton therapy treatment.

Proton Therapy Results in a Better Quality of Life During and After Treatment.
Patients that go through proton therapy treatment often can maintain a healthy and productive life. Many patients are able to continue the activities they love daily during treatment. Proton therapy also reduces the probability of the return of cancer due to the ability to spare healthy tissue.



Proton Therapy
(produces no exit dose)



Traditional X-ray
(produces exit dose)

The above images illustrate the benefits of proton therapy (left) in sparing healthy tissues compared to traditional x-ray (photon) therapy (right). Proton therapy deposits a high dose of radiation at the tumor and stops; this eliminates any “exit dose” of radiation, therefore reducing the risk of side effects in patients.