

## KARMANOS CANCER INSTITUTE AT McLAREN LAPEER REGION

At Karmanos Cancer Institute, we are leaders in advanced cancer care and treatment. Karmanos oncologists see so many patients with specific cancers, which range from common to rare, our doctors are in a unique position to provide patients with the most appropriate options – including the latest types of therapies through our clinical trials program.

Should a patient need cancer treatment, our medical and radiation oncologists and the entire team at the Karmanos Cancer Institute at McLaren Lapeer Region will be by their side. This team includes specialized oncologists, surgeons, physicists, technicians, researchers, nurses, social workers and support staff. Karmanos patients receive the crucial touch that makes care both effective and reassuring.

## KARMANOS CANCER INSTITUTE AT McLAREN LAPEER REGION

1295 Barry Drive, Suite B  
Lapeer, Michigan 48446  
(800) 527-6266



**YOUR BEST CHANCE.**

1-800-KARMANOS | KARMANOS.ORG

## ONCOLOGY SERVICES AT KARMANOS



**YOUR BEST CHANCE.**

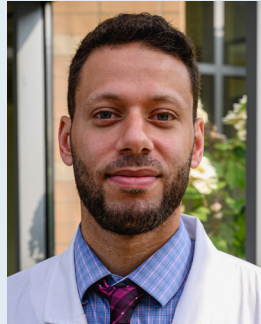
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## YOUR RADIATION THERAPY ONCOLOGY TEAM

### BOARD-CERTIFIED RADIATION ONCOLOGISTS



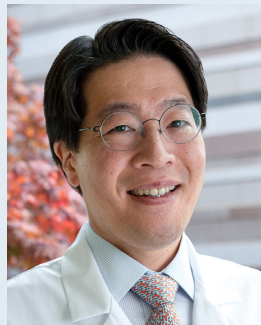
**Hesham Gayar, MD**  
MEDICAL DIRECTOR



**Omar Gayar, MD**



**Christian Hyde, MD,  
DABR**



**Brian Yeh, MD, PhD**

### BOARD-CERTIFIED MEDICAL ONCOLOGISTS



**Sai Bikkina, MD**



**Shalini Thoutreddy,  
MD**

## CANCER CARE SERVICES AT McLAREN LAPEER

- Imaging:
  - CT, MRI (Breast coil)
  - 3D Tomography Mammogram
  - I-131 scan
  - FDG PET, Axumin PET, pSMA PET
- Interventional Radiology
  - CT guided biopsy
  - Kyphoplasty
- Multidisciplinary Tumor Boards
  - General Tumor Board
  - Breast Tumor Board and Clinic

## RADIATION SERVICES AT McLAREN LAPEER

- Linear Accelerator on site:
  - X-ray based External Beam Radiation Therapy
- Sites Treated:
  - CNS
  - GU (Prostate, bladder)
  - Lung
  - Breast
  - Head and Neck cancers
  - GI (Esophageal, gastric, pancreas, anal, rectal)
  - Skin
  - Sarcomas
  - Lymphoma
  - Metastasis

## SPECIALTY RADIATION SERVICES – SBRT

- Stereotactic Body Radiation Therapy (SBRT/SRS)
  - Precise treatment
  - Smaller volumes
  - High dose per fraction, fewer fractions
  - Lin-ac based (vs Gamma Knife, cyberknife)

- Brain metastasis, CNS tumors, Early stage inoperable lung cancer, oligometastasis, Arteriovenous malformations

## SPECIALTY RADIATION SERVICES – BRACHYTHERAPY

- Brachytherapy
  - Live Iridium 192 Radioactive source
  - Direct application/close proximity based radiation
  - Limits dose volume to surrounding organs
  - GU, Gynecologic, skin

## SPECIALTY RADIATION SERVICES – I-131

- Radioiodine ablation
- Thyroid cancer
- Postoperative treatment
- Radioiodine ablation with Iodine-131

## TYPES OF MEDICAL CANCER TREATMENTS

- Chemotherapy
- Hormone blocking therapy
- Immunotherapy
- Targeted therapy drugs