

Our philosophy — heal the mind, body and spirit

The Radiation Oncology Center at Inova Loudoun Hospital offers a comprehensive cancer program accredited by the American College of Radiology and the American College of Surgeons' Commission on Cancer. Our staff includes caring and trusted healthcare professionals who help patients and their families navigate every phase of cancer — from diagnosis, surgery and treatment, to helpful education and support programs.

When it comes to caring for our patients, our goal is to provide multidisciplinary care including treatment, education and emotional support. Our dedication to care for the patient and their family sets us apart from other cancer programs.

Our Center provides a warm and healing environment where the most advanced radiation treatments are complemented by holistic therapies covering everything from nutrition to emotional health.

Inova Mary Elizabeth Miller Radiation Oncology Center - Lansdowne

44035 Riverside Parkway, Suite 100
Leesburg, VA 20176
703.858.8850
Fax 703.858.8870
Hours: Monday through Friday
8:00 a.m. to 4:30 p.m.

After-hour and weekend emergencies
are handled on an as-needed basis.

Our Treatments

Radiation Oncology

Our sophisticated level of clinical treatment includes a state-of-the-art linear accelerator that can treat cancer conditions with unprecedented precision while reducing treatment times, improving outcomes and minimizing side effects. In addition, our Cancer Center provides education and support in a warm and healing environment.

Our equipment includes:

- Varian Linear Accelerators
- Phillips CT Simulator

Technologies include:

- External beam radiotherapy
- Intensity-modulated radiotherapy
- Image-guided radiation therapy with cone beam CT
- Volumetric modulated Arc Therapy
- Prostate radioactive seed implant



Linear accelerator with intensity-modulated and image-guided capability

Support and Educational Programs

All patients are interviewed by our medical social worker to assess current support systems, economic resources and the patient's understanding of their medical situation. Services include individual and family psychosocial assessments, counseling, education, support groups and discharge planning. In our commitment to provide excellent care to patients and families we care for, we offer various free support and educational programs. Please contact us for our support program calendar.

Additional Staff

- Radiation Therapists
- Medical Dosimetrists
- Medical Physicists
- Radiation Oncology Nurses
- Cancer Registrar
- Medical Social Worker
- Administrative Coordinator



Our Board-Certified Physician Team

The Largest, Most Experienced Radiation Oncology Team in the Metropolitan DC Area



Stella Hetelekidis, MD

Dr. Hetelekidis has served as the Chairman of the Department of Radiation Oncology since 2005. Her areas of interest are breast cancer, gynecologic and gastrointestinal malignancies, and lymphomas.

Dr. Hetelekidis graduated from the Massachusetts Institute of Technology with Bachelor of Science degrees in both Biology and Literature. She received her MD degree from the University of Rochester. After a medical internship at Beth Israel Hospital in Boston, she completed a residency at the Joint Center for Radiation Therapy at Harvard Medical School.

Prior to coming to Inova Fairfax Hospital, she was on staff at Duke and at Harvard, where she was the Clinical Director of the Radiation Oncology Department at the Brigham and Women's Hospital and Dana Farber Cancer Institute. She has lectured and published research on the treatment of breast cancer. Dr. Hetelekidis is board certified in Radiation Oncology.



Gopal Bajaj, MD

Before coming to Inova Fairfax Hospital, Dr. Bajaj was on the faculty at Johns Hopkins Hospital Department of Radiation Oncology, where he served as Chief of Radiation Oncology for the Head and Neck Cancer Service. He brings expertise

in the use of TomoTherapy and Image-Guided Radiation Therapy. His other areas of interest include head and neck, lung, esophageal, gastrointestinal, brain and prostate tumors.

Dr. Bajaj graduated from the University of Kansas, receiving degrees in Biology and Genetics. He received his MD degree from the University of Kansas School of Medicine. He served a medical internship at Harvard Medical School's Beth Israel Deaconess Medical Center, and completed a radiation oncology residency at Johns Hopkins Hospital, where he was chief resident. He has lectured and published research on the treatment of head and neck cancers, prostate cancer and emerging technologies in radiation oncology. Dr. Bajaj is board certified in Radiation Oncology.



Susan Boylan, MD

Dr. Boylan is the chairman of the Department of Radiation Oncology at Sentara Potomac Hospital, and medical director of the Potomac Radiation Oncology Center, a joint affiliation of Sentara Potomac Hospital and Inova. She has a particular interest in the treatment of breast cancer, multimodality therapy for

lung cancer, gastrointestinal malignancies and palliative care.

Dr. Boylan graduated from Franklin and Marshall College with a Bachelor of Arts degree in Biology. She received her MD degree from Georgetown University, and completed her internship and residencies in both Internal Medicine and Radiation Oncology at North Carolina Baptist Hospital, Wake Forest University. Dr. Boylan is board certified in Internal Medicine and Radiation Oncology.



Ashish K. Chawla, MD

Dr. Chawla joined Inova from Anne Arundel Medical Center in Annapolis, Maryland. His clinical interests include Stereotactic Radiosurgery for brain and spine tumors, Stereotactic Body Radiotherapy, Image-Guided Radiation Therapy (IGRT) and Intensity-Modulated Radiation Therapy (IMRT), prostate

brachytherapy and the treatment of breast, thoracic, gastrointestinal, and prostate cancers. He also treats pediatric patients.

Dr. Chawla graduated from Pennsylvania State University, University Park, with a Bachelor of Science in Biology. He received his MD degree from Thomas Jefferson University in Philadelphia, and completed his Radiation Oncology residency at Harvard's Massachusetts General Hospital. He has lectured and published research on radiation therapy for various tumor types. Dr. Chawla is board certified in Radiation Oncology.



Samir Kanani, MD

Dr. Kanani is the co-medical director of the Stereotactic Radiosurgery (SRS) program and is Assistant Clinical Professor of Neurologic Surgery at George Washington University. His interests include treatment of cancers of the prostate, brain, lung, esophagus, head and neck, and gastrointestinal tract.

He also treats pediatric patients.

Dr. Kanani attended the University of Texas at Austin, graduating with degrees in Psychology and Biology. He earned his MD degree at the University of Texas Medical School at Galveston, and served an internship at Pennsylvania State University.

He completed his residency in Radiation Oncology at the University of Maryland, where he was chief resident. He dedicated his final year to research and training in brachytherapy (radiation implants) and radiosurgery. Dr. Kanani is board certified in Radiation Oncology.



Glenn Tonnesen, MD

Dr. Tonnesen's special interests are in Intensity Modulated Radiation Therapy (IMRT), particularly TomoTherapy. He sees patients with various malignancies, especially head and neck, prostate, brain, thoracic and gastrointestinal tumors.

Dr. Tonnesen was Chairman of the department from 1992 to 2005. He previously served as the Chief of Radiation Oncology at Bethesda Naval Hospital and was Associate Director of Training in Radiation Oncology at the National Cancer Institute. He completed his residency at the Harvard Joint Center for Radiation Therapy, where he was chief resident and later a member of the Harvard faculty.

He attended Brown University, graduating with a Bachelor of Science degree in Chemistry with honors, and received his MD degree from the University of Utah. Dr. Tonnesen is board certified in Radiation Oncology.

Dr. Joseph Lee will be joining the team July 2013.