Radiation Oncology Services

Inova Fairfax Hospital's Radiation Oncology Department provides the widest range of experience and clinical depth of any department in the region. With six board-certified, experienced radiation oncologists, trained at some of the nation's finest programs, our doctors are routinely ranked as Washingtonian Magazine’s “Top Doctors” by their peers. We emphasize an individualized yet evidence-based approach to excellent patient care.

Our physicians specialize in a vast array of dynamic technologies at the forefront of the fight against cancer, including Intensity Modulated Radiation Therapy (IMRT), Stereotactic Radiosurgery (SRS), Stereotactic Body Radiation Therapy (SBRT), and High Dose Rate (HDR) Brachytherapy. We attend 14 multidisciplinary tumor boards per month, and along with our surgical and medical oncology colleagues discuss the care of our patients in a “team-oriented” approach.

Patient safety has and always will be our first priority. We are supported by an unmatched technical team to ensure the safe and accurate delivery of highly sophisticated radiation therapy, including 6 medical physicists and 6 dosimetrists (specialists in treatment planning).

Clinically, our support team includes oncology nurses, social workers, and dietitians, as well as a group of well-trained radiation therapists, delivering treatment on a daily basis. Our patient care navigators are registered oncology nurses who expedite patient visits and studies, ensuring a smooth and timely experience for each patient.

We are a proud member of the Radiation Therapy Oncology Group (RTOG) a multi-institutional national research group, offering our patients cutting-edge treatment options and participation in trials.

We are also proud to offer our patients Inova’s Life with Cancer Program® which offers free education and support to patients and their families. lifewithcancer • 703.698.2526

Our commitment to your patients: All newly diagnosed outpatients are offered a consultation within a week of referral; inpatients are seen the same day.

Inova Fairfax Hospital............................................703.776.3731
Potomac Radiation Oncology Center .............. 703.670.3349

Quick Reference of Key Services

• Bone marrow transplantation
• Brachytherapy
  - High Dose Radiation for Gyn, breast and skin cancers
  - Prostate seed implants
• Chemotherapy
• Chemoembolization
• Complementary therapies
• Cryotherapy
• CyberKnife - coming 2013
• Diagnostic services (digital mammography, CT, MRI, etc.)
• Endoscopic ultrasound
• Enterostomal therapy
• Image-guided breast biopsy
• Infusion
• Lymphedema treatment
• Navigation-guided ablation
• Nutrition services
• Patient Care Navigators
• Positron emission tomography (PET/CT)
• Radioembolization
• RapidArc™ radiotherapy technology
• Robot-assisted surgery (da Vinci®)
• Stereotactic radiosurgery/radiotherapy
• Systemic radioisotopes
• Thermal Ablation
• Trilogy™ with IMRT, IGRT, SRS, and SBRT Capabilities

Call 703.776.3731 or visit inova.org/cancer for more information.
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 and gynecologic malignancies.

Dr. Hetelekidis graduated from the Massachusetts Institute of Technology with Bachelor of Science degrees in both Life Sciences and Humanities and Science. 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 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). 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.