Advancing Cancer Care for Generations
The Cancer Institute of Greenville Health System is dedicated to enhancing our communities’ quality of life through clinical excellence and research. Our core philosophy is anchored in providing the most effective cancer care available in the world. We understand that cancer care is about comfort, compassion and enhanced access to care, so we focus on treating the whole person, not just the disease.

The GHS Cancer Institute is accredited by the Commission on Cancer and is the only academic comprehensive cancer care program in South Carolina. The Institute's services extend across five counties: Greenville, Spartanburg, Anderson, Pickens and Oconee. The program also reaches patients globally through its Institute for Translational Oncology Research. This means patients do not have to leave the Upstate to receive high quality cancer care. In fact, many people travel to GHS’ Cancer Institute from outside the state to receive care.

The GHS Cancer Institute brings our community the most highly skilled physicians and healthcare team members with the latest in diagnostics, treatment and research options available. This commitment provides premier academic health center services to our community and beyond.

The GHS Cancer Institute is accredited by the American College of Surgeons Commission on Cancer and is affiliated with the National Cancer Institute.

**Medical Oncology**

Medical oncology is the ongoing evaluation and management of cancer patients through the treatment of their malignancies with chemotherapy agents and other drugs.

The medical oncology team consists of medical oncologists, nurse practitioners, oncology nurses and other oncology-trained staff. This team plays a major role in a patient’s cancer care. They assist patients with side effects they may experience during chemotherapy treatments, offer medical guidance and help patients make decisions throughout their treatment.

The Cancer Institute employs 17 board certified medical oncologists/hematologists with specialties in blood and marrow transplant, breast cancer, lung cancer, gastrointestinal malignancies, neuro oncology and melanoma/sarcoma.

**Radiation Oncology**

Radiation oncology is the bombardment of tumors with radiation beams. These beams are effective at halting the growth of tumors or forcing them into remission. Many forms of radiation are available, but the best choice depends on the type of cancer a patient has, the extent of the cancer and the cancer’s location. Different types of cancer react to radiation in different ways, so treatments vary.

The radiation oncologist specifies what is to be treated and for how long. This includes the amount of radiation a patient receives each day and the total number of treatment days.

A radiation therapist delivers the prescribed treatment and helps patients before, during and after treatment. The healthcare team also includes physicists, medical dosimetrists (specialists who use computers to help design treatment plans) and other trained staff members.

The Cancer Institute employs eight board certified radiation oncologists.

**Gynecological Oncology**

The GHS Cancer Institute has two board certified physician specialists and one advanced practice nurse specializing in gynecologic oncology. Their primary focus is the diagnosis and treatment management of reproductive cancers, including malignancies of the ovaries, uterus, cervix, fallopian tubes, vagina and vulva. Our physicians are experts in gynecologic oncology surgeries and in the administration and management of chemotherapy for gynecologic cancers.

**Surgical Oncology**

Surgical oncology uses surgical methods to diagnose, stage, and treat cancer, and to relieve certain cancer-related symptoms. The goal of surgery may be to remove the tumor, reconstruct a part of the body, and/or to relieve symptoms such as pain.

GHS employs 26 board certified and fellowship trained...
surgical oncologists with specialties in breast, endocrine, head and neck, gastrointestinal, melanoma and sarcoma, neurology, orthopaedics and urology. Our surgeons’ emphasis on personalized and comprehensive cancer treatment has established the GHS surgical oncology division as the region’s leading choice for cancer surgery and care, drawing patients from Greenville, Asheville, Columbia and other parts of the Southeast.

Hematology

The Hematology Center of Excellence provides hematology services for a variety of hematologic disorders in addition to the management of hematologic malignancies. These disorders include leukemia, Hodgkin’s disease, multiple myeloma, lymphoma, anemia and coagulative disorders like hemophilia. Some of the treatments for these disorders include chemotherapy, apheresis, and in some hematologic malignancies, stem cell transplant. In addition, therapeutic apheresis procedures are adjunctive treatment for patients with hematological, neuromuscular, renal, rheumatological and autoimmune disorders.

Blood & Marrow Transplant Services

The Blood and Marrow Transplant Program provides compassionate care, education and research to patients with blood and marrow disorders. The program features a highly-trained group of transplant physicians and staff, along with state-of-the-art equipment and facilities. Our program was the first transplant program in South Carolina to receive FACT (Foundation for the Accreditation of Cellular Therapy) accreditation and is the largest full service BMT program in the Upstate.

Chemotherapy

Chemotherapy is one treatment modality for treating cancer. Chemotherapy entails the administration of anti-cancer medications. Patients may take these drugs before surgery, with radiation treatment, or by themselves. The type of chemotherapy varies by the type of cancer. Our team of oncology specialists guides the patient and family through the diagnosis and treatment appropriate for their cancer.

Laboratory Services

Clinical laboratory testing plays a crucial role in the detection, diagnosis and treatment of many diseases, including cancer. Laboratory tests are provided to patients in connection with their chemotherapy and/or radiation treatments.

Clinical Laboratory Technologists and technicians, also known as Medical Technologists, perform most of these tests. They examine and analyze blood and other body fluids utilizing state-of-the-art equipment to provide a vast volume of information to enable physicians to prescribe the appropriate treatments and/or preventive measures to ensure the best therapy for the patient.

Advances in laboratory testing are continually occurring to enhance the early detection of many types of cancer. Along with detecting cancer, these tests will monitor the response of the therapy given and determine effective treatment options for the patient.

Diagnostic Imaging

Including CT and PET/CT and accredited by the American College of Radiology (ACR)

Center for Integrative Oncology and Survivorship

Greenville Health System’s Center for Integrative Oncology and Survivorship (CIOS) is a patient-centered program that integrates evidenced-based complementary therapies with traditional cancer care to treat the “whole patient,” encompassing mind, body and spirit.

CIOS is one of the first of its kind in the nation; providing a holistic approach to increase quality of life and decrease potential cancer risks. The center houses a multidisciplinary team of professionals consisting of physicians, nurses and other health professionals that either provide direct services or referrals for patients throughout their cancer experience.

Patient and Family Support Services

Cancer Registry
Home Health
Hospice
Palliative Care
Pastoral care
Support Groups

Genetic Counseling

The Cancer Genetics Program is staffed by two board-certified genetic counselors. The goals of the program are to help identify individuals and families who are at increased risk for hereditary cancer; offer options for genetic testing, screening, and medical management based on the individual and family histories; and reduce the chance for developing certain types of cancer by individualizing screening and risk-reduction plans.
The GHS Cancer Institute is the only facility in Greenville to have board-certified genetic counselors who provide this service for all potentially inherited cancers.

**Oncology Multidisciplinary Centers**

GHS offers patients a unique approach to cancer treatment through its Multidisciplinary Center (MDC) at the GHS Cancer Institute. The MDC allows a patient to accomplish in one morning visit what previously may have taken weeks. Under the collaborative format of the MDC, the following happens during one patient visit:

- The patient is seen by a team of specialists, including a surgeon, medical oncologist, radiation oncologist, radiologist, pathologist and nurse navigator (the nurse navigator will serve as the patient’s personal guide throughout the diagnosis and treatment process)
- The team meets to discuss treatment options, determine the best course of action and recommend a treatment plan
- A physician and nurse navigator then present the recommendations to the patient
- The patient, in consultation with the referring physician, decides how to proceed and leaves with a treatment plan in place
- The nurse navigator is available to the patient and the patient’s family through the entire course of treatment and recovery

The MDC can also link patients to ground-breaking clinical trials under way at GHS’ Institute for Translational Oncology Research.

Although the GHS Cancer Institute provides treatment for all forms of cancer, the MDCs focus on melanoma-sarcoma and cancers of the lung, brain, breast, prostate, bone and soft-tissue and gastrointestinal tract. The goal is to help patients and their families cope with cancer in a manner that streamlines care and integrates all aspects of healing: strengthening the body, informing the mind and nurturing hope.

**Ambulatory Infusion Center**

The Ambulatory Infusion Center (AIC) of Greenville Health System (GHS) uses advanced technology and expert staff to deliver the full spectrum of infusion therapies for adult patients who do not require hospitalization. AIC provides patients with cancer access to the latest cancer research protocols, including National Cancer Institute clinical trials.

**Institute for Translational Oncology Research**

With a focus on translational research and personalized medicine, GHS’ Institute for Translational Oncology Research (ITOR) provides some of the most advanced cancer treatments available anywhere in the world, while supporting industry’s crucial need to achieve greater efficiency and expediency in bringing life-saving cancer drugs to patients. The effort to advance these goals led to the creation of ITOR – an evolutionary process that began in 2004.

ITOR is a major pillar of translational cancer research at Greenville Health System. The efforts of ITOR include a Phase I Clinical Research Unit, a Biorepository Services platform, and proteomics and genomics capabilities.

ITOR advances cancer care on multiple levels, facilitating pioneering research as well as clinical care delivery. ITOR is committed to translational medicine, which is a branch of medical research that forges a direct link between basic research and patient care. In the case of drug therapies, translational medicine refers to the translation of basic research into beneficial drug treatments for patients.

ITOR focuses on discovering and developing drugs that help people who have cancer.
Locations

Andrews Street Office
200 Andrews Street, Suite 100
Greenville, SC 29601
Main Phone: (864) 269-4508
Main Fax: (864) 269-5512

Hours of Operation:
Monday-Friday, 8 a.m.-4:30 p.m.
Physicians:
Lewis N Terry, MD
Jeannette L. Wilcox, MD

Easley Office
109 Fleetwood Drive, Suite A
Easley, SC 29640
Main Phone: (864) 855-2780
Main Fax: (864) 855-2991

Hours of Operation:
Monday-Friday, 8 a.m.-4:30 p.m.
Physicians:
Reginald J. Brooker, MD
Kathy L. Christman, MD
W. Jeffery Edenfield, MD
Carla W. Jorgensen, MD
Jay D. Walls, MD

Eastside Office
65 International Drive
Greenville, SC 29615
Main Phone: (864) 987-7000
Main Fax: (864) 987-7020
Hours of Operation:
Monday-Friday, 8 a.m.-4:30 p.m.
Physicians:
Saeeda Z. Chowdhury, MD
Suzanne Fanning, DO
David L. Grisell, DO
Kim O. Gococo, MD
Concetta Gardziola, DO

Faris Road Office
900 W. Faris Road
Greenville, SC 29605
Main Phone: (864) 679-3900
Main Fax: (864) 679-3901
Hours of Operation:
Monday-Friday, 8 a.m.-4:30 p.m.
Physicians:
Dale L. Duncan, MD
W. Jeffery Edenfield, MD
David L. Grisell, DO
Shirnett M. Matthews, MD
Larry E. Puls, MD
Lewis N. Terry, MD
Jeannette L. Wilcox, MD

Greer Office
340 Medical Parkway
Greer, SC 29650
Main Phone: (864) 334-4900
Main Fax: (864) 334-4901
Hours of Operation:
Monday-Friday, 8 a.m.-4:30 p.m.
Physicians:
Shirnett M. Matthews, MD
Michael D. Zurenko, MD
Kim O. Gococo, MD
Concetta Gardziola, DO

Grove Commons Office
3 Butternut Drive, Suite B
Greenville, SC 29605
Main Phone: (864) 241-7272
Main Fax: (864) 241-7060
Hours of Operation:
Monday-Friday, 8 a.m.-4:30 p.m.
Physicians:
Reginald J. Brooker, MD
Kathy L. Christman, MD
W. Larry Gluck, MD
Carla W. Jorgensen, MD
Jay D. Walls, MD

Piedmont Center
(Administrative Office)
33 Villa Road, Suite 400
Greenville, SC 29615
Main Phone: 864-522-3000
Main Fax: (864) 679-3930

Hours of Operation:
Monday-Friday, 8 a.m.-4:30 p.m.

Seneca Office
131 Lila Doyle Drive
Seneca, SC 29672
Main Phone: (864) 888-3717
Main Fax: (864) 888-8486

Hours of Operation:
Monday-Friday, 8 a.m.-4:30 p.m.
Physicians:
David J. Bush, MD
Jeffrey K. Giguere, MD
Britt Bolemon, MD

Spartanburg Office
120 Dillon Drive
Spartanburg, SC 29307
Main Phone: (864) 699-5700
Main Fax: (864) 699-5701

Hours of Operation:
Monday-Friday, 8 a.m.-4:30 p.m.
Physicians:
Kim Hont A. Yee, MD
Ki Young Chung, MD
Concetta A. Gardziola, DO
Terese L. Howes, MD

Locations
Beating Cancer With ITOR

Several years ago, Greenville resident Frank Sharp joined a health club to get himself back in shape. Things went well for a while, but then he and his trainers noticed that he seemed to be losing some of his strength and stamina.

“They thought something might be going on and wanted me to go to a doctor,” Sharp recalled. “My answer was to quit since things weren’t working so well.”

A few months later, Sharp went to a physician because of some other issues. It had been two or three years since Sharp’s last physical, so the physician recommended he get one.

“I agreed but told the doctor we didn’t need to do a chest X-ray because I’d had one for bronchial issues not too long ago,” Sharp said. “He ordered one anyway, and when I had it done they noticed spots on my left lung.”

Sharp was referred to W. Larry Gluck, MD, director of Greenville Health System (GHS) Cancer Institute. The spots were in both the upper and lower lobes of Sharp’s left lung, so they decided to remove the lung.

When the procedure began at GHS, surgeon Jim Stephenson, MD, discovered something that hadn’t shown on previous scans: one of Sharp’s tumors had grown into the area between his lungs.

“There was no way Dr. Stephenson could remove the lung and be sure no cancer remained,” Sharp said. “The surgery could do more damage than good. We needed a new plan.”

Additional tests showed that Sharp had Stage 4 non-small cell carcinoma. Because Sharp was in good health, Dr. Gluck mapped out an aggressive plan of radiation and chemotherapy. Treatment began in September 2007.

The initial radiation and various types of chemotherapy shrunk the tumors, but they began growing again in time.

“Dr. Gluck kept fighting for me,” Sharp said. “We moved to trying clinical trial drugs with the other treatments.”

“The best line of treatment depends on which disease you’re addressing,” Dr. Gluck explained. “Lung cancer certainly has evidence-based guidelines and pathways for therapy. If the initial standard of therapy isn’t effective, the patient needs to understand the potential benefits of clinical trials.”

The trials Sharp participated in were in conjunction with the Institute for Translational Oncology Research (ITOR) of GHS Cancer Institute.

“ITOR has several components, one of which—the Clinical Research Unit—helps drive the rest,” explained Jeff Edenfield, MD, ITOR associate medical director. “We have relationships with about 35 or 40 pharmaceutical companies that bring drugs to Greenville and allow us to help develop those drugs. Patients in our clinical trials like Mr. Sharp have access to therapies here before they’re available in other areas.”

“I especially had good success with one of the trials,” Sharp said. “I was the only person to respond positively to the drug, and the company continued to make it for me even after the trial ended.”

Sharp’s story, however, didn’t end there. Although the original cancer remained dormant, later scans showed a new spot in his left lung that appeared to be a different type of cancer. He went through more chemotherapy to combat the latest tumor.
“My original prognosis after the first diagnosis was four to six months, but I’ve made it more than five years,” Sharp said. “I’m still happy, healthy, and active after dealing with Stage 4 lung cancer—but I’m also still fighting. I wouldn’t be able to do it without my family and the Cancer Institute staff.”

“Sometimes treatment might go well but not eradicate the disease,” noted Dr. Gluck. “Sometimes the patient’s body builds up resistance to the drug and needs a new treatment protocol. Or sometimes a different type of cancer will surface. That’s the beauty of ITOR. It connects patients with the latest scientific advances and gives us more options for whatever the patient is facing.”

One option every cancer surgery patient at GHS has is to participate in the tissue bank program. A small sample of the tumor is frozen and kept in a biorepository as part of the patient’s medical record. As research develops and new treatments arise, comparisons can be made to help characterize different types of tumors and potential treatments—for those patients and for others.

“Just because a patient has lung cancer doesn’t mean it’s exactly like the cancer other lung patients have,” Dr. Gluck explained. “The molecular makeup for one person’s cancer could actually be like what’s seen for another type. When we can isolate and analyze tissue for patients, we can learn more about their particular cancer and how that makeup compares to other patients. Then we can treat it based on that patient’s specific situation and what we’ve learned from other patients.”

ITOR and its associate programs have seen tremendous growth since opening in 2010, but advancements are still on the horizon.

“We’re talking with several companies that are interested in these types of research for cancer,” Dr. Edenfield said. “These partnerships help the companies further their product development and are another way to give our patients access to the latest research.”

That access has given Frank Sharp—and many other patients—an advantage while they and their families battle cancer.

“Today I’m healthy, still working as an insurance agent, and generally don’t feel as if I have cancer,” Sharp said. “All the joyful bits in the last five years of my life were possible because of the Cancer Institute.

“I’ve been in trials more than regular chemotherapy, probably,” he continued. “And as unpleasant as chemo and radiation are, treatment was always a good experience. The doctors are wonderful, and the nurses take much of the pain of treatment away with their positive attitudes. I just can’t say enough good things about ITOR and the cancer program.”

The experience has taught Sharp a number of lessons that he shares with others.

“Hold on to your faith and hope, and trust the doctors and what they can do through science. It’s not always easy, but go on about your life the best you can and be thankful for every day you have. Let the doctors and the Lord worry about what’s going to happen next.”
YOU KNEW CANCER BREAKTHROUGHS WERE BEING MADE SOMEWHERE. NOW YOU KNOW SOMEWHERE IS HERE.

Researchers at Greenville Health System aren’t just making progress in the war against cancer. They’re making breakthroughs. Like helping to develop the first new treatments for melanoma in more than 30 years. It’s the type of groundbreaking work that only happens in our nation’s elite cancer research institutes—including our very own, right here in the Upstate. Learn more at ghs.org/breakthrough.