

Interventional Radiology

at Ingalls

21ST CENTURY MEDICINE

Ingalls Interventional Radiology Team



Perry Gilbert, M.D.
Medical Director



Thomas Aquisto, M.D.



Kevin Keele, M.D.



Richard Lichtenberg, M.D.

Interventional Cancer Treatments at Ingalls Integral to Treatment, Pain Control and Palliation

At Ingalls, the field of Interventional Radiology shows great promise for advancing the treatment of cancer. New breakthrough technologies such as **chemoembolization**, **radiofrequency ablation** and **radioembolization** are providing interventional radiologists with the ability to perform minimally invasive cancer treatments on patients who have exhausted traditional treatment options. What's more, these treatments have been shown to prolong survival, provide pain relief, shrink tumors to the point that surgery can be performed and improve overall quality of life.

► Unique Skills to Treat 'Untreatable' Cancer

Interventional radiologists at Ingalls are uniquely skilled at using the vascular system as a pathway into previously inaccessible territory. This expertise allows them to offer innovative, world-class cancer treatments that target tumors from inside the body – without damaging other areas of the body. Interventional cancer treatments are intended for patients whose tumors cannot be treated with surgical resection or standard chemotherapy.

► Chemoembolization

For patients with primary or metastatic liver tumors, chemoembolization offers an alternative when surgery is not an option. Chemoembolization delivers a high dose of chemotherapy directly to the organ while depriving the tumor of its blood supply. Using imaging for guidance, the interventional radiologist threads a tiny catheter up the femoral artery into the blood vessels supplying the tumor. The embolic agents keep the chemotherapy drug inside the tumor by blocking the flow to other areas of the body. This allows for a higher dose of chemotherapy since less of the drug is able to circulate to the healthy cells in the body.

► Radiofrequency Ablation

Radiofrequency ablation is used to destroy cancer deposits deep within the body without invasive surgery. During the procedure, a thin needle is placed into a tumor using ultrasound guidance. Electromagnetic energy is then emitted to destroy the cancer. This technique is appropriate for relatively small tumors of the liver, kidney and lung.

► Selective Internal Radiation Therapy (SIRT) or Radioembolization

Ingalls is one of the few cancer programs in Illinois to offer SIRT, a non-surgical outpatient therapy that uses radioactive microspheres to deliver radiation directly to the site of liver tumors. This unique, targeted therapy spares healthy tissue while delivering up to 40 times more radiation to liver tumors than would be possible using conventional radiotherapy. The technique uses the blood supply to send the tiny spheres, smaller in diameter than a human hair, into the newly formed, microscopic vessels that feed the cancerous tumor. The spheres eventually become lodged at the tumor sites where they deliver a high dose of radiation.

► Let Ingalls Interventional Radiologists Be Your Partners in Care

Interventional radiology treatments have become first-line care for a wide variety of conditions. Offer your patients the least invasive option first, with an Ingalls interventional radiologist as your partner in patient care.

Interventional radiologists at Ingalls are board-certified physicians who specialize in minimally invasive, targeted treatments. We combine in-depth knowledge of the least invasive treatments available with diagnostic and clinical experience across all specialties. ■



708.915.5614

www.ingallshealthsystem.org

For more information about Interventional Cancer Treatments at Ingalls, or to send your patient for a consultation with one of Ingalls' Interventional Radiologists, please call 708.915.5614.

One Ingalls Drive • Harvey, Illinois 60426

Interventional Radiology

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MEET THE INGALLS INTERVENTIONAL RADIOLOGY TEAM

Our staff includes five special procedure technologists, four interventional nurses and two clerks who strive to provide prompt, caring services for your patients.

Perry Gilbert, M.D.

Perry Gilbert, M.D., is medical director of radiology for Ingalls Health System. He received his medical degree from Northwestern University Medical School in Chicago. Dr. Gilbert performed his internship at Children's Memorial Hospital and his residency at Northwestern University Medical School, where he served as chief resident. Dr. Gilbert also performed a fellowship in vascular and interventional radiology and cross-sectional imaging at Northwestern. He is certified by the American Board of Radiology, with a certificate of added qualification in vascular and interventional radiology.

Thomas Aquisto, M.D.

Thomas Aquisto, M.D., received his medical degree from Wayne State University School of Medicine in Detroit, Michigan. He performed his internship in internal medicine and residency in diagnostic radiology at Emory University School of Medicine, where he served as chief resident. He also performed a fellowship in vascular and interventional radiology at Northwestern University School of Medicine in Chicago. Dr. Aquisto is certified by the American Board of Radiology, with a certificate of added qualification in vascular and interventional radiology.

Kevin Keele, M.D.

Kevin Keele, M.D., received his medical degree from the University of Wisconsin, Madison. He performed a surgical internship at St. Joseph's Hospital in Chicago; a residency in diagnostic radiology at the University of Illinois, Chicago, where he served as chief resident; and a fellowship in interventional radiology at Northwestern Memorial Hospital. Dr. Keele is certified by the American Board of Radiology, with a certificate of added qualification in vascular and interventional radiology.

Richard Lichtenberg, M.D.

Richard Lichtenberg, M.D., received his medical degree from the University of Illinois. He completed an internship at Louis Weiss Memorial Hospital in Chicago and a residency in diagnostic radiology at University of Illinois Hospital, Chicago. Dr. Lichtenberg also performed a fellowship in neuroradiology at Northwestern Memorial Hospital, Chicago, and a fellowship in interventional radiology at the University of Illinois, St. Francis Medical Center in Peoria, and Rush University Medical Center in Chicago. Dr. Lichtenberg is certified by the American Board of Radiology, with certificates of added qualification in neuroradiology and vascular and interventional radiology.



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