Cancer Treatment

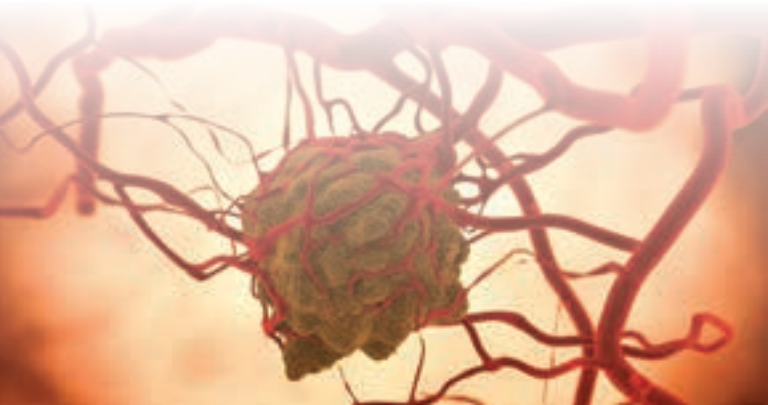
A novel approach that precisely targets tumors while sparing healthy tissue

MEMPHIS
VASCULAR
CENTER

New, minimally invasive treatment options for primary and metastatic liver tumors

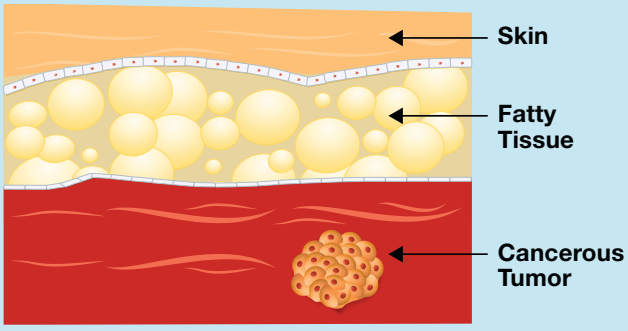
Tumors in the liver can be *primary* (within the liver only) or *secondary* (metastatic or having spread from another area of the body to the liver). Once there, the cancer cells may grow for months or years before they are detected. The most common sources of metastatic liver cancer are from tumors of the colon and rectum, although they can also happen as a result of breast, esophageal, stomach, pancreatic, lung, kidney and skin cancer.

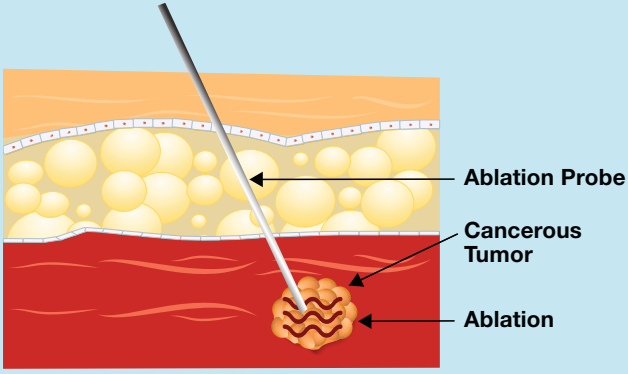
Surgical removal of liver tumors may offer the best chance for a cure. Unfortunately, this may not be possible because the tumors have become too large, or they have grown into major blood vessels or other vital structures. Sometimes, many small tumors are spread throughout the liver, making surgery too risky or impractical. In fact, surgical removal is not possible for more than two-thirds of primary liver cancer patients and 90 percent of patients with secondary liver cancer.

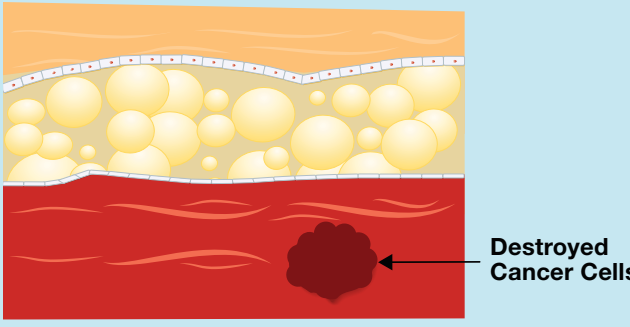


STATE-OF-THE-ART TREATMENT IN A CONVENIENT OUTPATIENT CENTER

Interventional oncology procedures are performed in our convenient outpatient center in Memphis. In addition to easier access and a more patient-focused environment, there is less risk of infection as well as lower overall costs for your procedure and care.


Skin
Fatty Tissue
Cancerous Tumor


Ablation Probe
Cancerous Tumor
Ablation


Destroyed Cancer Cells

NEW AND MINIMALLY INVASIVE OPTIONS

Tumors need a blood supply, which they actively generate, in order to feed themselves and grow. The specially trained doctors at Memphis Vascular Center are uniquely skilled in using advanced imaging to deliver targeted treatments via a catheter throughout the body. In treating cancer patients, our interventional radiologists use non-surgical localized techniques—guided in real-time by diagnostic imaging—to attack the cancerous tumor from inside the body without affecting other parts of the body. These techniques include:

Thermal Tumor Ablation – Procedures designed to destroy tumor cells by using extreme heat (radiofrequency ablation) or extreme cold (cryoablation).

Transarterial Chemoembolization – A way to deliver chemotherapy precisely into the tumor while sparing the surrounding healthy tissue and minimizing the toxic effects of the medication.

Transarterial Radioembolization – Also referred to as "Y-90" radioembolization, this procedure uses special microparticles to deliver targeted radiation to the tumor.

Each of these techniques is very precise, delivering targeted treatment to the tumor while minimizing damage to healthy surrounding tissue. Since every patient is different, the procedure we use depends on your unique circumstances.

MEMPHIS VASCULAR CENTER

The doctors of Memphis Vascular Center are among the region's most experienced team specializing in the minimally invasive treatment of many diseases and health conditions. Vascular and interventional radiology is a method of treating disease from inside the body, without open surgery. This results in less trauma for the patient, lower risk of complications, shorter recovery time and virtually no scarring. Additionally, these treatments are performed in our outpatient center, a safe and convenient alternative to a hospital.

Our doctors are fellowship trained in vascular and interventional radiology. With more than 13 years of education and training, they are among the most highly trained doctors practicing medicine today and are uniquely qualified to provide both diagnostic evaluations as well as the required treatment.

If you are a candidate for one of our procedures, we invite you to schedule a consultation with us. We are happy to work with your doctor(s) and other members of your care team to find the right treatment for your specific condition.

FOR MORE INFORMATION, VISIT MEMPHISVASCULAR.COM

MEMPHIS VASCULAR CENTER

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