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Journal of Vascular and Interventional Radiology Sees Growth, Promise of Tumor Ablation

August JVIR Supplement Offers Review of Outcomes, State-of-the-art Devices and Uses to Medically Kill Cancer

FAIRFAX, Va.—The unprecedented growth and promise of using thermal ablation to target and kill cancer is the subject of the Journal of Vascular and Interventional Radiology’s August supplement, “Thermal Ablation 2010: At the Crossroads of Past Success, Current Goals and Future Technology.”

“The Journal of Vascular and Interventional Radiology supplement sheds light on the development of multiple medical techniques and devices for cancer tumor ablation,” said Daniel B. Brown, M.D., guest editor. “For all its richness of information, the JVIR supplement should be considered a snapshot of the state of the art,” added Brown, an interventional radiologist and chief of interventional radiology and interventional oncology at Thomas Jefferson University Hospital in Philadelphia, Pa. The supplement articles provide a current overview of the types of ablation devices that are commonly used and are now expanding in clinical practice and review the current status of ablation outcomes in different organ systems. “As interventional oncology continues to grow over the next few years, additional advances will be made within existing and novel treatments, including liquid nitrogen-based cryotherapy, newer microwave devices, magnetic resonance-guided focused ultrasound and other technologies,” said Brown.

“Interventional radiologists and other practitioners interested in tumor ablation currently face a number of challenging questions: What patients are best served by ablation? What results can be anticipated? Can ablation be combined with other types of tumor therapy to improve outcomes?” said JVIR editor Albert A. Nemcek Jr., M.D., FSIR. “This supplement helps answer those questions,” said Nemcek, an interventional radiologist and professor of radiology and surgery at Northwestern Memorial Hospital in Chicago, Ill.

The following articles are included in “Thermal Ablation 2010: At the Crossroads of Past Success, Current Goals and Future Technology.”

- “Radiofrequency Ablation: Mechanism of Action and Devices”
- “Cryoablation: Mechanism of Action and Devices”
- “Microwave Tumor Ablation: Mechanism of Action, Clinical Results and Devices”
- “Percutaneous Ablation of Hepatocellular Carcinoma: Current Status”
- “Ablation of Liver Metastases: Current Status”
- “Ablation of Pulmonary Malignancy: Current Status”
- “Thermal Ablation of Renal Cell Carcinoma: Triage, Treatment and Follow-up”
- “Ablation of Skeletal Metastases: Current Status”
- “Enhancing Ablation: Synergies With Regional and Systemic Therapies”
- “Navigation Systems for Ablation”

For more information about “Thermal Ablation 2010: At the Crossroads of Past Success, Current Goals and Future Technology,” please contact Noemi C. Arthur, SIR senior director of communications, publications and clinical practice and JVIR managing editor, by sending an e-mail to narthur@SIRweb.org or by calling (703) 460-5593. A free journal subscription is a benefit of SIR membership. Current and past issues of the Journal of Vascular and Interventional Radiology can be found online at www.JVIR.org. More information about the Society of Interventional Radiology, interventional radiologists and how to find an interventional radiologist in your area can be found online at www.SIRweb.org.

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About the Society of Interventional Radiology

Interventional radiologists are physicians who specialize in minimally invasive, targeted treatments. They offer the most in-depth knowledge of the least invasive treatments available coupled with diagnostic and clinical experience across all specialties. They use X-ray, MRI and other imaging to advance a catheter in the body, such as in an artery, to treat at the source of the disease internally. As the inventors of

angioplasty and the catheter-delivered stent, which were first used in the legs to treat peripheral arterial disease, interventional radiologists pioneered minimally invasive modern medicine. Today, interventional oncology is a growing specialty area of interventional radiology. Interventional radiologists can deliver treatments for cancer directly to the tumor without significant side effects or damage to nearby normal tissue.

Many conditions that once required surgery can be treated less invasively by interventional radiologists. Interventional radiology treatments offer less risk, less pain and less recovery time compared to open surgery. Visit www.SIRweb.org.

Local interviews are available by contacting SIR's communications department via e-mail at mverrillo@SIRweb.org or by phone at (703) 460-5572.