The safe threshold for ionizing radiation exposure is unknown. By decreasing patient radiation dose during a procedure, the operator and staff receive a proportional decrease of scatter dose. Both clinicians and patients benefit from using less ionizing radiation. When feasible, imaging techniques that omit ionizing radiation, such as Intravascular Ultrasound (IVUS), may provide an elegant solution for reducing overall exposure to clinicians, technicians and patients. Generating high-grade cross-sectional views of the vascular system, IVUS allows physicians to acquire images of healthy or diseased vessels from within the artery with reduced fluoroscopy time and contrast. By reducing contrast and X-ray exposure time, IVUS may enhance patient, physician and staff safety.

**THE ‘WIN-WIN’ PLAY**

IVUS may offer an elegant solution for reducing overall exposure to clinicians, technicians and patients. Generating high-grade cross-sectional views of the vascular system, IVUS allows physicians to acquire images of healthy or diseased vessels from within the artery with reduced fluoroscopy time and contrast. By reducing contrast and X-ray exposure time, IVUS may enhance patient, physician and staff safety.

**KNOW YOUR RISK**

From 15% to approximately 48% – this dramatic increase, from the early 1980s to 2006, represents the widespread growth of the per capita annual exposure to medical radiation in the United States today, as compared to only three decades ago. Clinicians and staff, in particular, may be impacted by chronic low-dose exposure, which may be linked to increased risk of cancer, cataracts and genetic risks.

**BE RESPONSIBLE AND REDUCE**

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**KNOW YOUR EXPOSURE**

DO SOMETHING ABOUT IT
IVUS use should be restricted to specialists who are familiar with, and have been trained to perform, the procedures for which this device is intended. See Instruction for Use.


“I think about radiation all the time. Even when I'm not doing my cases.”

— Frank Arko MD, Carolinas Medical Center

“With IVUS, you can see where you want to be, you can see what you want to do and that’s without contrast or stepping on the fluoroscopy pedal.”*

— Tom Davis MD, St. John Medical Center

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6. alternatively, there may be a proportional decrease of scatter dose. Both radiation. When feasible, imaging
KNOW YOUR EXPOSURE
DO SOMETHING ABOUT IT

FOR MORE INFORMATION GO TO VOLCANOCORP.COM/REACT

REACT
REDUCE EXPOSURE AND CONTRAST