THE FUTURE OF INTERVENTIONAL RADIOLOGY IS HERE

EISENHOWER INSTALLS NEW BIPLANE ANGIOGRAPHY SYSTEM

The future of neurological and vascular care for Coachella Valley residents is here. In an effort to enhance diagnosis and treatment of its patients, Eisenhower Medical Center has installed new, state-of-the-art technology enabling physicians to capture and view realtime detailed 3-D images through the use of an innovative angiography X-ray system.

The new Philips Allura Xper FD 20/10 interventional lab—the Coachella Valley's only biplane angiography system—allows physicians to perform difficult, minimally invasive procedures to treat a broad spectrum of medical conditions, including stroke, aneurysms, and other vascular disorders. Equally important is the Allura's ability to administer less radiation during a procedure.

The multi-functional system can aid in the diagnosis and treatment of a range of patient conditions and can also be used for procedures such as stenting, balloon angioplasty, embolizations (closing of blood vessels), and coiling of aneurysms. In fact, in a recent study published in the *American Journal of Neuroradiology*, 3-D rotational angiography, as it relates to the treatment of aneurysms, is considered to be the "new gold standard,"with its ability to detect small aneurysms more easily. Eisenhower Medical Center performs nearly 100 of these types of procedures each year.

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—Brian Herman, MD - Chair of Eisenhower's Radiology Department

An innovative biplane configuration allows physicians to view a patient's anatomy in two planes simultaneously—a crucial technique for complex neurovascular procedures. These catheter-based procedures are designed to minimize some of the risks and lessen recovery times associated with traditional surgical approaches. Among the many benefits are shorter hospital stays, reduced recovery time without the pain of a large incision, and less visible surgical scarring.

Brian Herman, MD, Neurointerventional Radiologist and Chair of Eisenhower's Radiology Department, was first in the Coachella Valley to use this new technology. "*The advanced, real-time three-dimensional positioning capabilities of this new system are truly incredible,"*says Dr. Herman. *"The system is essentially a robotic extension of me. When I treat a patient with an aneurysm or any other neurovascular disorder, I can find the best possible route to treat it, and most importantly, I can use real-time 3-D mapping of the vascular tree of the brain to help move tiny devices through the "mindfield" that is the brain."*Dr. Herman continues, *"This technology not only reduces complications and procedure times, but also allows treatment of complex disorders that would otherwise be untreatable."*

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