

## Physician Spotlight: Michael Lane, M.D.



Michael Lane, M.D., recently assumed the post of Medical Director of Affiliates in Imaging, at Sonora Regional Medical Center.

Dr. Lane received his undergraduate degree from the University of Notre Dame in Notre Dame, Ind. His post-baccalaureate curricula included work at Sonoma State University in Rohnert Park, Calif., and in the Master's degree program in physiology at San Diego State University. He earned his medical degree from St. Louis University School of Medicine in St. Louis, Mo.

Dr. Lane completed his medical internship in general surgery at the Hospital of St. Raphael, a Yale University affiliate, in New Haven, Conn. He participated in general surgery residency programs at Harbor-UCLA Medical Center in Torrance, Calif., and at UC Irvine Medical Center in Orange, Calif. Subsequently, Dr. Lane completed his radiology residency at the Naval Medical Center in San Diego.

Dr. Lane served in the Navy for 14 years as a medical officer and radiologist, often in posts affiliated with the Marine Corps. Initially serving as a General Medical Officer-First Marine Division at Camp Pendleton, Calif., Dr. Lane worked as a Battalion Surgeon and Assistant Regimental Surgeon at Camp Pendleton. He was deployed to Okinawa, Japan, for six months. He then served as General Medical Officer-Branch Medical Clinic at the Marine Corps Recruit Depot, he was also the medical clinic's Disaster Preparedness Officer, and briefly served as the medical clinic's Interim Officer-in-Charge.

Dr. Lane worked as a General Diagnostic Radiologist in the Navy for five years at the Naval Hospital in Twentynine Palms, Calif., and at the Naval Hospital at Camp Pendleton.

Dr. Lane is currently on staff at Sonora Regional Medical Center. He holds a medical license in California and is board certified by the American Board of Radiology in Diagnostic Radiology. In addition to his several publications, Dr. Lane is an active member of the Radiological Society of North America, American Board of Radiology and the American College of Radiology. ▲

## Our Doors are Open

Affiliates in Imaging is a local practice of more than 20 radiologists. We are board-certified physicians who specialize in the interpretation and performance of diagnostic imaging tests, including CT, MRI, PET-CT, nuclear medicine, plain radiographs and fluoroscopy, as well as many types of interventional procedures.

Our Open Door Initiative provides direct access to our radiologists when needed. A new direct phone line (209-536-3452) has been established to bypass the main switchboard and ring directly into our office.

Our hours of operation include holidays and weekends:

- Monday through Friday, 8 a.m. to 6 p.m.
- Saturdays, Sundays and holidays 8 a.m. to 11 a.m.

As always, count on Affiliates in Imaging to uphold the highest standards of professionalism and quality. We aim to be responsive to your needs and contact you proactively when significant or critical findings are present in one of your studies. ▲

# THE INTERPRETER

**AFFILIATES  
IN IMAGING**  
A MEDICAL GROUP, INC

*Sonora Regional  
Medical Center*  
**Adventist  
Health**

August 2010

## Welcome to the inaugural edition of the Affiliates in Imaging newsletter.

Our goal is to provide the patients and physicians of Sonora Regional Medical Center with an exceptional level of care and service and positively impact the quality of care you provide to your patients.

## Readily Available Services

Affiliates in Imaging is committed to delivering the right study for the right set of indications to the physicians of Sonora Regional Medical Center. This commitment is supported through our readily available services delivered through 24-hour availability, an exceptional level of service, advanced technology and multi-modality expertise.

Under the guidance of our new medical director, Michael Lane, M.D., Affiliates in Imaging is working with Sonora on several exciting new imaging programs and technology upgrades in the coming months. Sonora has recently added new CT equipment and services, including coronary CT angiography and SPECT CT. Sonora is also in the process of significant upgrades to the radiography/fluoroscopy (RF) room.

Our expertise in various modalities and remote radiology services leverages the advanced technologies offered through Sonora Regional Medical Center. This includes proficiency in CT, MRI, digital mammography, ultrasound, X-ray, PET/CT and nuclear medicine.

Our commitment to readily available services is also supported through proactive communication with referring physicians and through our Open Door Initiative. Affiliates in Imaging delivers timely radiology reports, with proactive calls to referring physicians on any remarkable results or critical study findings.

We look forward to the many positive changes ahead for radiology services at Sonora Regional Medical Center, and we will continue to update you on technology upgrades and new technology installations throughout the year. We invite you to call us with any general questions or concerns about our services. For urgent medical consultation needs, please contact us through our direct line at 209-536-3452. ▲



## In this issue

**We highlight several exciting new developments, including improvements to our fluoro room. We'll also introduce you to our new medical director and talk about how we're making it easier for you to reach us on short notice or after hours. As always, we welcome your feedback and opinions.**

## Also in this issue

**Technology Quest:  
New Philips SPECT CT  
Coronary CTA Program**

**Physician Spotlight:  
Michael Lane, M.D.**

## Announcing the New Philips BrightView XCT SPECT CT



***“Our radiologists are proud to be part of Sonora’s dedication to offering the most cutting-edge diagnostic technology available.”***

The cardiac and cancer patients of Sonora Regional Medical Center now have a more advanced diagnostic modality available as part of their care. The new Philips BrightView XCT single photon emission computed tomography (SPECT CT) offers higher resolution-to-dose ratios and cuts procedure time in half. Patients with a variety of diagnoses such as chest pain, gall bladder problems, tumors and thyroid disorders will also be able to take advantage of this latest technology.

Sonora Regional Medical Center is the third hospital in California to operate a Philips BrightView XCT SPECT CT. There are currently only 50 operating in the U.S. and 100 in the world.

“Our radiologists are proud to be part of Sonora’s dedication to offering the most cutting-edge diagnostic technology available,” said Michael Lane, M.D., medical director for Affiliates in Imaging medical group. “This new equipment makes it possible for improved clinical results and positions Sonora Regional Medical Center as a leader in nuclear medicine.”

Benefits of the BrightView XCT SPECT CT are low patient X-ray dose levels, high-resolution localization, and high-quality attenuation correction with the potential for fewer artifacts and shorter exam times. It aids in better visualization, which is especially valuable during oncology studies and bone imaging. In addition, it acquires the entire heart volume in just one rotation.

The advanced technology fuses nuclear medicine with computed tomography (CT), resulting in a greater image quality. The SPECT CT allows physicians to determine disease status before structural change occurs, helping patients avoid an unnecessary biopsy or invasive surgery. For more information about the new technology or Affiliates in Imaging, call 925-274-4950. ▲

## Q&A

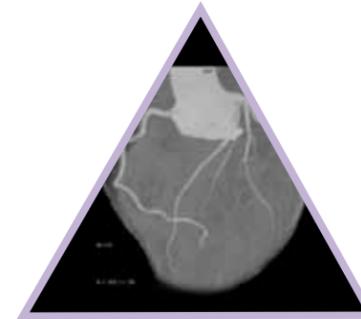
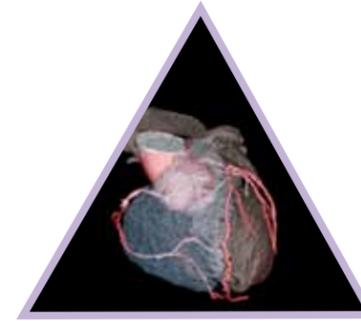
### Q: Why does hospital-based imaging cost more than outpatient imaging?

A: The short answer is that it costs more for a hospital to provide the same services as an outpatient center.

Recent actions by CMS and private payors are based on the assumption that hospitals should receive advantageous reimbursement because the cost to maintain hospital imaging — along with the ability to accommodate emergency and critical patients — is significantly higher than at an outpatient center. In addition, hospitals take all patients, regardless of their ability to pay. Many outpatient centers have the luxury of simply denying access to uninsured patients.

Even so, the cost for a diagnostic imaging test at Sonora Regional Medical Center is generally less expensive than at other California hospitals. In addition, we offer financial assistance for patients who do not have the ability to pay at the time of their test.

## Coronary CT Angiography



Affiliates in Imaging is pleased to announce the Coronary CT Angiography (CCTA) program at Sonora Regional Medical Center. CCTA is a cardiac-gated volumetric contrast-enhanced CT angiogram yielding 2-D and 3-D images of the coronary arteries with the heart motion “frozen” in diastole. This safe, cost-effective option promises to reduce the number of invasive catheterizations and other diagnostic tests.

Through this new effort, our group will work cooperatively with area cardiologists to provide quality interpretations on a timely basis. All Affiliates in Imaging radiologists involved in coronary CTA interpretation have received in-depth, hands-on training and are CCTA certified. Additionally, through our alliance with Massachusetts General Hospital in Boston, advanced 3-D reconstruction can be performed for all of our heart studies.

Clinical trials comparing CCTA to the gold standard of coronary catheterization show excellent correlation with sensitivities greater than 90 percent, and negative predictive values of as high as 99 percent. Using state-of-the-art 64-slice technology from Siemens, Affiliates in Imaging’s team of highly trained radiologists can detect, quantify and characterize atherosclerotic plaque from its earliest soft plaque stages through lipid core, fibrosis and calcification.

When to refer:

- Patients with intermediate- to high-risk profiles for coronary artery disease, but who do not have typical symptoms such as chest pain, shortness of breath or fatigue during heavy physical activity.
- Patients exhibiting unusual symptoms for coronary artery disease (such as chest pain unrelated to physical exertion), but with low- to intermediate-risk profiles for coronary artery disease.
- Patients with unclear or inconclusive stress test results.

Referring physicians can facilitate a smooth scheduling and imaging process by providing as complete a medical history as possible and by making sure the patient doesn’t have any contraindications to having a CCTA, including advanced kidney disease or severe diabetes, unstable heart rates, atrial fibrillation or renal insufficiency. For more information about CCTA, contact Affiliates in Imaging at 925-274-4950 or visit [www.a-imaging.net](http://www.a-imaging.net). ▲



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