

REALISM™ delivers extraordinary images that increase diagnostic confidence



REALISM software has transformed X-ray imaging at Medical Arts Radiology. It has changed the way technologists and radiologists work by increasing efficiency and image quality.

For over 70 years, Medical Arts Radiology has provided Long Island, NY patients and referring physicians with the latest advances in diagnostic imaging. Imaging services range from digital radiography (DR) to molecular imaging and it was the first site in Suffolk County to provide PET/CT imaging services. The practice has eight locations throughout Long Island that are accredited by the American College of Radiology.

By embracing new techniques and technologies, Medical Arts Radiology is focused on providing high-definition images at the lowest possible radiation dose. In DR, this includes implementing one of the most advanced DR detectors available today, AeroDR® HD wireless flat panel detectors, and REALISM advanced image processing software.

"REALISM software has become an integral part of our practice. It has changed the way we work, making it easier and faster for both the technologist and the radiologist," says Pradeep Albert, MD, radiologist at Medical Arts Radiology.

With REALISM image processing and AeroDR HD wireless flat panel detectors, X-ray images now have exceptional clarity and definition.

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In complex anatomies with high density structures, such as the chest and C-spine, superior contrast sensitivity with REALISM software allows better visualization of soft tissue and overlapping bone structure to reveal subtle details.

REALISM software also enhances the sharpness of high frequency microstructures, such as bone trabeculae, to improve visibility of fine structures and details.

"When I first looked at REALISM, I thought there was better signal-to-noise," Dr. Albert explains. "The images were sharper, there was less noise and a more diagnostic quality," he adds.

In addition to significantly improved image quality, Dr. Albert shares that Medical Arts Radiology has also experienced fewer retakes and requires fewer views.

"This also improves workflow significantly, with patients waiting less and completing their exams quicker," he adds. "Plus, the images process faster than they did previously."

The AeroDR HD wireless flat panel detector, due to its higher sensitivity, requires less X-ray exposure.

"With REALISM, the images are that much superior due to the higher SNR that we don't have to use as much radiation, especially in heavier patients. We've really seen the impact in cervical C-spine, abdomen, smaller bones and fine bony detail, such as the fingers and toes," Dr. Albert says.

REALISM software and AeroDR HD wireless flat panel detectors have enhanced X-ray imaging services and enabled Medical Arts Radiology to make better decisions, sooner.

Adds Dr. Albert, "REALISM delivers a consistent, effective and high-quality image that has increased our diagnostic capabilities."