

Case Study



About Carolinas Medical Center

Carolinas Medical Center (CMC) is the flagship of Carolinas HealthCare System. As one of North Carolina's largest hospitals, it serves as the regional referral center for the western part of the state. In addition, a significant number of patients come from South Carolina and all over the Southeast.

The hospital recently upgraded its entire ultrasound department with six LOGIQ 9 units, a Voluson 4D system, and a LOGIQ Book compact ultrasound unit.

Sid Damani, Ultrasound Supervisor, shared his experience with the upgrade and how the new technology has improved his department.

"During our decision process, we had several side-by-side demonstrations with all vendors," says Damani. "One particular case helped us decide: a routine liver exam that showed 1 or 2 cm lesions that were very visible with the LOGIQ 9 system.

"The same case was scheduled for a liver biopsy several weeks later, but we no longer used the GE system for demonstration. Instead, we used a system from another ultrasound vendor, and the lesions were no longer visible. That was one of the main factors for us in deciding on the GE technology. As the radiologists expressed it: 'If we can see something with the GE system and not with the other systems, we want to go with the best.' That's why we went with the LOGIQ 9 from GE."

Damani finds several features of the LOGIQ 9 system especially helpful. They include Speckle Reduction Imaging (SRI), which removes the characteristic speckle from ultrasound images without obscuring the

underlying tissue, and CrossBeam technology, by which the ultrasound system looks at anatomy from several slightly different angles at the same time to produce sharp images with higher contrast and less shadow.

"I use Speckle Reduction Imaging (SRI) and crossbeam a lot," says Damani. "It's very helpful when examining the thyroid, testicles, and superficial parts like muscles. The images are really clean and sharp.

"The ergonomic qualities of the LOGIQ 9 are unique. The floating keyboard that can move up and down and from side to side helps a lot, since our rooms are small. Even if you have to set the system up on the opposite side of the bed, you can twist it and pull it across the bed and scan just fine. That really saves my back a lot."

Damani also appreciates the ergonomic benefits of VoiceScan, which lets sonographers control all major functions hands-free with simple voice commands.

"The system in general, I love it," Damani concludes. "You can see the difference. It's great imaging. I'm very pleased with it."



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