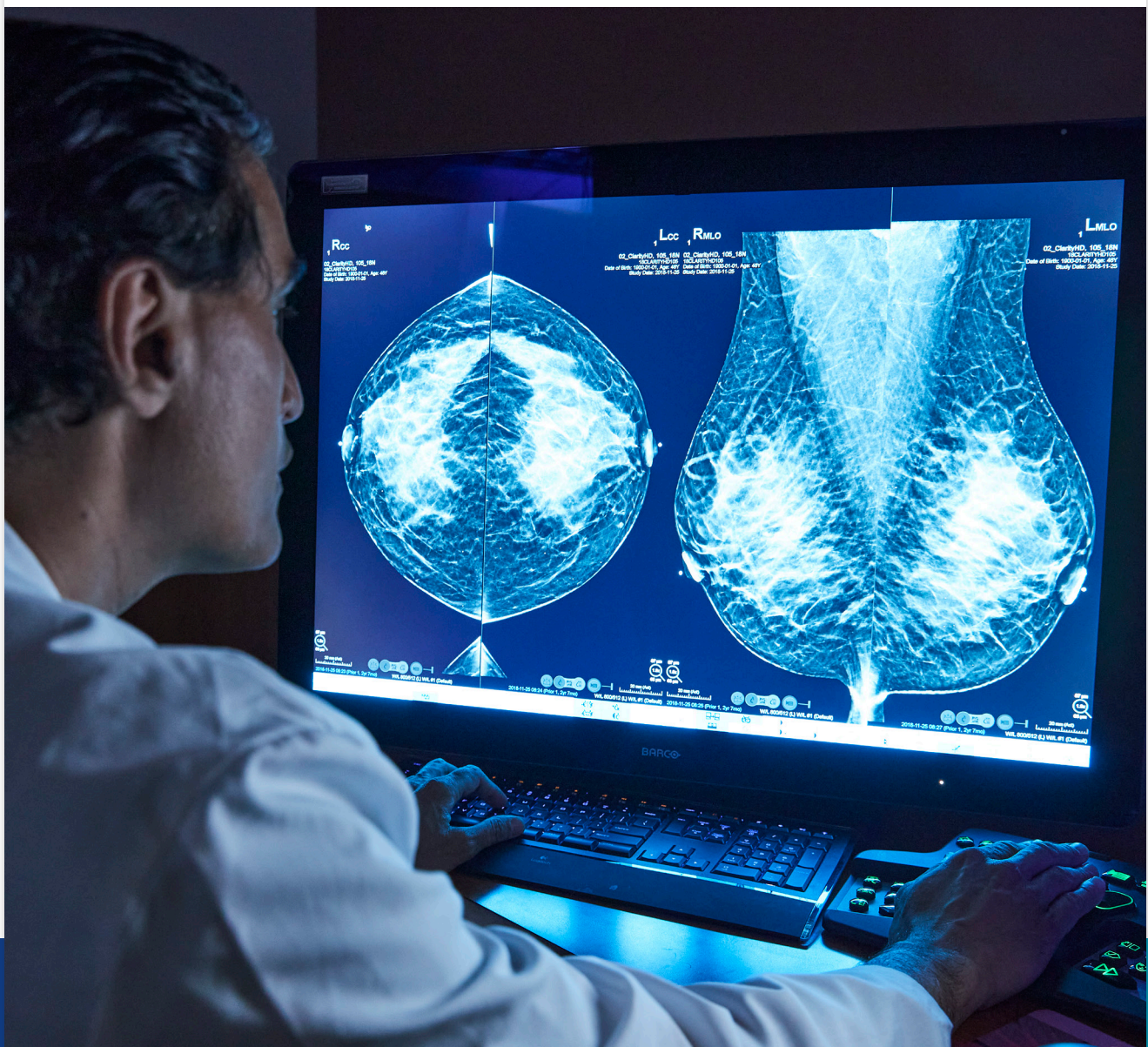


Real world advice to save time
and maximize results with
3DQuorum® Imaging Technology^{1,2,3}



See the impact of 3DQuorum Imaging Technology



“We’ve been using 3DQuorum Technology diligently in our practice. Now we rarely ask for the 1mms because we feel so comfortable with the six.”*

Best Practices

- Expect a transition period of a few weeks
- Transition to reading 6mm SmartSlices at once.
- If you use cine mode, consider a reduction of the scrolling speed
- Compare before and after performance metrics to remain on target

“If you have 3DQuorum Technology and you’re asking for 1mm slices all the time, that is going to kill your efficiency and take up more storage space,” said Dr. Patel. “The way [3DQuorum imaging technology] was designed, you should feel comfortable with 6mm for the most part, which should reduce your interpretation and load times, which is what we need these days with rising volumes, less storage space, and reader fatigue.”

The transition period

“It didn’t take as long as you’d expect. For me, it took about 3-4 weeks to get adjusted. Others who are using 3DQuorum technology in the field are reporting similar findings, including those who are later and younger in their career than I am.”

When adopting 3DQuorum technology, Dr. Patel advises transitioning to reading 6mm slices at once, and only pulling 1mm slices when needed.

“During the first few weeks, we were more apt to ask for the 1mm slices for comparison with the 6mm in cases where we thought there may be an asymmetry or something looked more conspicuous on 3DQuorum. There’s more contrast with 3DQuorum – which I like – but it can raise questions about whether there is a true asymmetry or if what we’re seeing is simply superimposition of tissue,” said Dr. Patel.

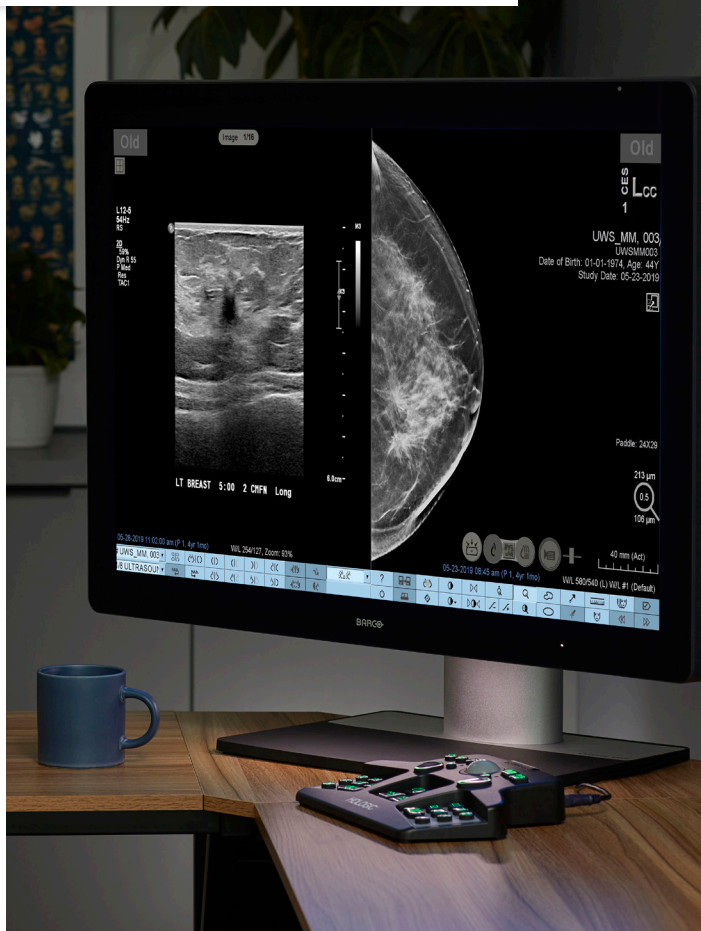
After about 3-4 weeks, Dr. Patel reported feeling confident reading the 6mm slices alone and using them for biopsy targeting.

3DQuorum® Imaging Technology

Using Genius AI®-powered analytics, 3DQuorum imaging technology is unique in generating 6mm SmartSlices from the original 3D™ data. SmartSlices are designed to expedite reading time by reducing the number of images to review, while maintaining image quality, sensitivity or accuracy.

For new users of 3DQuorum imaging technology, the transition to reading 6mm slices can take some time to adjust. Dr. Amy Patel, a fellowship-trained breast radiologist and medical director of the Breast Care Center at Liberty Hospital, shares her advice for how to make the transition quick and easy.

Addressing reader fatigue and speed



“After about 3-4 weeks, I was like, ‘Wow, this is really saving us a lot of time,’” said Dr. Patel. “There’s at least a 50% reduction in time, and in some cases, it’s probably closer to 67%. Not only do they load faster, but you can also scroll through them faster.”

When a radiologist reads 6mm SmartSlices instead of 1mm slices, the number of 3D images to review is reduced by 2/3¹ resulting in an average interpretation time savings of 1 hour per day, based on 8 hours of image interpretation time per day.^{2,3,4}

“I’m a fast reader because we’re a busy practice. The 1mms take me, at max, a minute and a half to two minutes. With 3DQuorum imaging, this is cut down by at least 50%. I can read them in a minute or less. Obviously, 2D mammography takes even less time—could be seconds—but the information that you get from 3DQuorum is exponentially better and not that much more time,” said Dr. Patel.

The resultant time Dr. Patel saves means she can spend quality time with patients and focus on other priorities.

“I don’t feel as pressured when spending time with patients. I’m less worried about needing to get back to crank through studies. I use any extra time gained to squeeze in administrative work, and now that I’ve had a baby, it helps me get out on time and go home.”

Reduced storage requirements

For radiologists concerned about navigating a mixed reading environment with both 1 mm and 6 mm slices, Dr. Patel reports that she has not found it challenging to switch between the two imaging modalities. Her facility often reads remotely for rural critical access hospitals in the region that do not have the 3DQuorum technology available.

“I don’t find much of an issue between reading the two in this mixed environment,” said Dr. Patel. “I do think the images look differently with 3DQuorum—there’s more contrast, which I do like. There’s increased conspicuity, which can be helpful for certain findings, such as calcifications, subtle asymmetries, and subtle architectural distortion.”

According to Dr. Patel, “We have to be flexible and switch our brains between different types of imaging, same as someone would if they’re at a breast center that also does contrast enhanced mammography.”

Measuring performance and impact

When 3DQuorum technology was first implemented at Dr. Patel's facility, one of her colleagues was nervous about making the transition to 6mm. She was concerned about loss of image integrity and missing something critical.

"Within just a few weeks, she felt the technology was amazing and requested it on all her units. She became a believer," said Dr. Patel.

Measuring the team's performance was important for transitioning her colleagues into believers and showcasing how the adoption of 3DQuorum technology impacted their metrics.

“After implementation, we compared our callback rates and found no difference. We felt confident knowing we weren't calling back people unnecessarily because of using 3DQuorum”

"A good way to test you're not missing anything and maintaining your overall metrics is to compare your callback rates and sensor detection rates."

Ultimately, Dr. Patel's biggest piece of advice is simple: give it time. "When you are embarking on implementing 3DQuorum, even if it takes you longer than three weeks to a month to make the transition, just give it time. Your eyes will adjust, and you will end up loving it."

1. Tech File: TFL-00059 , TFS-00041
2. Report: CSR-00116
3. FDA approval number.P080003/S008
4. Physician Labeling: MAN-06153
5. MAN-06029. 3DQuorum.

* Views and opinions expressed herein by third parties are theirs alone and do not necessarily reflect those of Hologic. Dr. Amy Patel is a paid consultant.

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