



## Reimaging What Is Possible with Breast Biopsy Procedures

Confidently tackle breast biopsy procedures  
with the Brevera<sup>®</sup> breast biopsy system

Traditional stereotactic breast biopsy procedures are an essential component of modern breast care. Yet, they are often dreaded by patients and marked by inefficiencies. Board-certified radiologist Sarah Palestrant, MD, MA and her colleagues set out to identify a biopsy system that addressed these challenges, and they found a solution with the Brevera<sup>®</sup> breast biopsy system, which dares to reimagine what a breast biopsy procedure can – and should – look like.



**Sarah Palestrant, MD, MA**  
Southwest Medical Imaging  
Scottsdale, Arizona

For more information, contact  
your Hologic representative

[breverabiopsy.com](http://breverabiopsy.com)

### Confidence & Satisfaction

At Southwest Medical Imaging in Arizona, Dr. Palestrant reports confidence in the Brevera<sup>®</sup> breast biopsy system with CorLumina<sup>®</sup> imaging technology, which has become an integral component of her facility's patient care. The system combines tissue acquisition, real-time image-based verification, and advanced tissue handling for an optimal patient and physician experience.

"We believe in the Brevera system," said Dr. Palestrant. "The device performs as intended. It consistently reduces procedure time, we gain real-time confidence in our core samples, and the quality of the imaging is fantastic."

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Dr. Palestrant's experiences are echoed in an experiential human factors study where the Brevera system was successfully deployed for a variety of lesion types and across the spectrum of breast densities. Participating physicians expressed that they were completely satisfied with the performance of the Brevera system and the image quality generated over the course of this study.<sup>1</sup>

### Save Time

The Brevera system is designed to save time by combining multiple steps into one, with the potential to save 13 minutes on average

per patient. In the aforementioned study, participating physicians expressed that they were completely satisfied with the time it took to perform breast biopsy system procedures, with patients having a median time under compression of 18 minutes.<sup>11</sup>

"The system has definitely decreased the time of sample procurement. If you can have the same outcome – if not better – and also finish the procedure sooner, it makes perfect sense to use the system," said Dr. Palestrant.

Previously, with a traditional biopsy procedure, a significant portion of imaging and confirmation time occurred outside of the actual biopsy room. With the Brevera system, Dr. Palestrant has found that there is no need to change rooms, no waiting for sample verification and no interruptions to the general patient schedule.

"Before we had the Brevera system, we would take anywhere from six to 12 samples without immediate confirmation. We then had to disconnect the chamber, hand over samples to the technologist, follow them into another room to image those specimens, review the images and then finally return to the stereo room. And all of this while the patient is still in compression with the device inside her breast. It's not an ideal situation," explains Dr. Palestrant. "Whereas now, with the Brevera unit and the immediate feedback it provides, we are able to take fewer samples and determine right away – within the first, second, or third sample – if we have captured the intended calcifications."



### A Compassionate Patient Experience

The Brevera system's shortened procedure time means patients can be released from compression sooner, compared to a traditional breast biopsy procedure, which can impact the patient experience. In fact, nine out of every 10 patients felt less uncomfortable with their Brevera breast biopsy procedure than they expected.<sup>ii</sup> And a more comfortable patient often means there is less chance of movement during procedures.

"One of the main benefits of reducing procedure time is improved patient comfort," explained Dr. Palestrant. "You may have a patient who is anxious, not only about a

potential diagnosis, but sometimes equally regarding the actual procedure itself. So, if we can reduce that anxiety with a shortened procedure time, then that helps tremendously."

The Brevera system also includes compassionate features like integrated delivery of pain management and quiet operation. Thanks to the interactive setup and system-aided troubleshooting features, physicians can focus more on the patient and less on the equipment.

"Throughout the whole procedure, I am in the room with the patient. This allows me to offer constant reassurance, uninterrupted analytics and immediate feedback. It makes the process so much easier and more convenient," said Dr. Palestrant. "Many times, when I finish, the patient will say, 'That's it? It's over? We just got started!' It is a lovely surprise just how fast it can be."

And because Dr. Palestrant is often able to take fewer samples with the Brevera system, she has also reported a reduction in complications stemming from breast biopsy procedures performed with the system.

"We've noticed that the Brevera system may help decrease the number of complications, specifically hematomas, during breast biopsy procedures. Because we're often taking fewer samples, we have less of a chance to slice a blood vessel, and thus we are seeing far fewer hematomas when using this device."

### Real-Time Feedback

With the Brevera biopsy system, physicians enjoy real-time image-based verification that delivers information at the point of care – so they can make informed clinical decisions with confidence.

“There is no doubt that this unit provides an added level of confidence.”

"When I do a biopsy with the Brevera system for calcifications, I can turn to my patient and say in real time, 'We hit the target and we're done.' I see the immediate relief in her face when she knows the procedure is over, and she leaves with a sense of security knowing we got the intended tissue," said Dr. Palestrant. "There is no doubt that this system provides an added level of confidence."

### Streamlined Specimen Handling

The Brevera system uniquely includes integrated, advanced post-biopsy handling for immediate verification of excised tissue. For Dr. Palestrant, not having to physically handle biopsy samples is a significant benefit of this integrated approach.

"With a traditional biopsy unit, we have to remove the specimen container and draw out each specimen, taking the time to separate each strand. It can get messy!" said Dr. Palestrant. "With Brevera, there is no messy handling of the biopsy samples, and each sample is individually separated into its own chamber automatically. So processing is cleaner and clearer."

For those seeking to reimagine what is possible with a breast biopsy procedure, the Brevera system delivers.

<sup>i</sup>From an experiential human factors study of the Brevera<sup>®</sup> Breast Biopsy System with three physicians evaluating its use in 30 sequential clinical cases.

<sup>ii</sup>2015 Kadence International survey of 200 healthcare professionals.

<sup>iii</sup>"A Prospective, Block Stratified Clinical Trial to Evaluate the Performance and Operation of the Brevera<sup>®</sup> Breast Biopsy System" (NCT03300206) (US)