

## Optimizing Breast Biopsies for Compassionate Care

Breast biopsies provide an in-depth analysis of lesions and calcifications after they have been discovered during a woman's wellness visit. They play a vital role in ensuring the correct diagnosis—meaning minutes matter when it comes to breast biopsies.

That's why traditional breast biopsy systems are inefficient in such a time sensitive procedure. They are time consuming for both the physician and patient, limiting the number of biopsies that can be performed each day. Additionally, wasted minutes mean patients are uncomfortable, anxious, and in pain under compression longer than necessary.

For Bari University Hospital Professor Marco Moschetta in Bari, Italy, he finds that the Hologic Brevera® Breast Biopsy System with CorLumina® imaging technology is key to



With built-in CorLumina imaging technology, there is no need to transfer biopsy samples to an external department to verify the adequacy of the biopsy samples.

offering compassionate and comprehensive patient care.

The Brevera Breast Biopsy System elevates the standards of biopsy procedures by improving the patient and physician experiences. It is the world's first and only solution to combine vacuum- assisted tissue acquisition, real-time imaging, verification and advanced post-biopsy handling— all in one, integrated system [1].

*“...In real time we can verify if the calcification has been collected through the biopsy system...”*

### OPTIMIZING THE PROCESS

Professor Moschetta points to his experiences collecting samples on the Brevera Breast Biopsy System as a distinct improvement compared to traditional biopsy devices. He's noticed an overall reduced number of biopsy samples needed during procedures for the Brevera Breast Biopsy System to analyze breast lesions and calcifications.

The system's CorLumina imaging technology allows physicians to make informed clinical decisions with confidence and save valuable time.

The built-in image enhancement tools enable quicker identification of faint calcifications on the high-resolution touch-screen monitor.

Because of the CorLumina system, images begin to appear after just a few samples are taken and can help guide physician decisions throughout the process.



Professor Marco Moschetta  
Bari University Hospital, Italy

Compare this to traditional systems, which can require a physician to keep a patient under compression while they examine sometimes 12 or more samples in another imaging room.

*“The Brevera system is very fast. In real time we can verify if the calcification has been collected through the biopsy system,”* said Professor Moschetta. *“Because of the system's integrated technology, we can image the samples immediately thanks to the CorLumina software.”*

Fast and accurate procedures mean less time under compression for patients and can result in a more positive biopsy



A view of the Brevera Breast Biopsy System, showing the filter carousel assembly into which the excised biopsy samples are automatically delivered, with each sample being deposited into a separate compartment in the filter carousel.

experience—so much so that 9 out of every 10 patients felt less uncomfortable with their Brevera™ breast biopsy procedure than they expected [2].

*“We have a high workflow, and with this system we can see more patients,”* said Professor Moschetta.



The whole biopsy procedure is controlled by the Biopsy Control Monitor which shows exactly the status of the sampling process

## ENHANCING THE PATIENT EXPERIENCE

Patient experience is at the core of Professor Moschetta’s practice, ensuring compassionate care for each patient. He points to the Brevera Breast Biopsy System as a prime example of how he accomplishes this goal by reducing the amount of time patients are under compression because he’s able to gather samples in only three steps, combining tissue acquisition, imaging, verification, and sample prep for an optimal experience, with the potential to save 13 minutes on average per patient [3].

With the Brevera Breast Biopsy System, patients felt their biopsy experience was faster than they expected in over 94% of procedures [2]. In addition, nine out of every ten patients reported feeling less uncomfortable with their Brevera Breast Biopsy System procedure than they had expected [2]. Professor Moschetta estimates that the average biopsy takes around 10 minutes with the Brevera system

rather than upwards of 20 minutes with other systems.

*“We need to remember that through all the steps, patients are under compression,”* said Professor Moschetta. *“So having just 10 minutes of compression is very important for improving the comfort of our patients.”*

## DECREASING SAMPLE HANDLING

Bari University Hospital encourages physicians and technologists to limit how often samples can be handled due to concerns about specimen contamination. With the integrated Brevera Breast Biopsy System, physicians do not need to handle samples for imaging.

*“... It is important to us that we have short interactions with samples in order to maintain the specimen...”*

With a traditional stereotactic breast biopsy procedure, samples are often taken into a different room while patients remain under compression. The sample strands are separated to analyze for calcifications and then, after consulting with a technologist for imaging, the physician will return to the room to retrieve more samples or finish the procedure. In comparison, Professor Moschetta no longer needs to handle samples due to Brevera’s integrated specimen chamber.

*“In the past we had to move them to a separate mammography device, but now we can process these samples without risking damaging them,”* said Moschetta. *“It is important to us that we have short interactions with samples in order to maintain the specimen.”*

With the Brevera Breast Biopsy System, improvements to specimen risks and efficiencies mean

patients can spend less time under compression, leading to overall more compassionate care—and for Professor Moschetta that is what matters.

*“The comfort of our patients is most important for these procedures,”* said Professor Moschetta.

The imaging software and integrated specimen chamber of the Brevera Breast Biopsy System enable quicker results, which could cut down the time patients spend on the table. By providing an efficient and accurate breast biopsy experience, physicians can help patients experience less anxiety, discomfort, and pain during their procedures.

Learn more at [www.hologic.com/minutesmatter](http://www.hologic.com/minutesmatter)



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## REFERENCES

1. Hologic Data on file: VAR 05326
2. Results from, “A Prospective, Block Stratified Clinical Trial to Evaluate the Performance and Operation of the Brevera® Breast Biopsy System” (NCT03300206) (US)
3. 2015 Kadence International survey of 200 healthcare professionals.