

I-View™ 2.0 Contrast Enhanced Mammography Imaging

FAQs

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I. CLINICAL

1. When should I use Contrast Enhanced Mammography (CEM)?

CEM can be a great first choice for additional imaging, meaning the physicians can use it as soon as they deem the patient eligible for a diagnostic exam.

Hologic's CEM exam allows the radiologist to see not only the subtracted Contrast image but also the low energy image, which is diagnostically equivalent to a 2D mammogram.¹ This provides functional and anatomical information easily and inexpensively without waiting for the patient to have an MRI exam.²⁻⁴

2. How do I biopsy lesions I find under Contrast?

By acquiring a Contrast-Tomo Combo Mode exam, an exam that only Hologic offers, you can use this exam to help guide a Tomosynthesis or 3D Biopsy.

Additionally, Contrast Key Opinion Leaders (KOLs) tell us that once they have a good visibility of all the potential lesions identified during the Contrast procedure, they then can usually localise the lesions under Ultrasound or MRI.

3. Are there methods for biopsy with CEM?

Yes, there are several methods which users of Hologic I-View™ software may biopsy lesions seen in contrast images:

The methods fall into two general categories:

1. Use the combined CEM-Combo capability of the system to first identify a lesion with the CEM image and subsequently locate it in the tomosynthesis image. One can then proceed to biopsy using tomosynthesis guidance.

2. Directly localise a lesion with the CEM image(s) and place a wire or a marker in the breast at the lesion's location. Once can then perform a biopsy using the marker as guidance, or else perform a surgical excision biopsy.*

II. DOSE

4. What is the radiation dose?

Dose is approximately 25% more than a 2D mammogram. Contrast is a diagnostic exam procedure which is done on symptomatic patients where radiation levels are of less concern than in screening asymptomatic women.

III. INSTALLATION

5. What training will we receive?

When introducing I-View™ software for CEM into your practice, a Clinical Applications Specialist comes to your site for training. We want to make sure you and your staff feel comfortable with CEM.

If you decide to purchase a power injector, the training on that equipment will come from the company that provides the power injector.

6. How long will my system be down for the installation?

Installation takes approximately 1 day.

IV. WORKFLOW

7. Who injects the patients?

Many technologists can inject the contrast, but some sites will utilise an on-site nurse to do the injection. We recommend having the power injector company perform their training prior to starting CEM procedures. Please refer to your local or national guidelines on Contrast Media, or equivalent, for contrast injection protocols.

8. Which contrast is used for the procedure?

You can use the same non-ionic iodinated contrast medium used for CT examinations.

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9. Do I need to do a saline flush?

Yes. This is recommended, to remove any remaining iodine from the injection vein. Please refer to your local or national guidelines on Contrast Media, or equivalent, for protocols.

10. Are there any instructions I should give to the patient before or prior to the exam?

Yes. We suggest you refer to your local hospital/national guidelines for patient information and consent form that needs to be signed by the patient prior to the exam.

As a minimum, the consent form should explain the risks of the non-ionic contrast, the moderate and severe adverse reactions.

V. POWER INJECTORS

11. Do I need a Power Injector and if so, where do I get one?

A power injector is optional, but highly recommended for a smooth procedure. The contrast medium can be pushed by hand if the facility chooses. However, a power injector will help with improved workflow and when you have to push contrast with a large patient, the amount of contrast can get a bit cumbersome.

If you are interested in a power injector, please contact manufacturers of CT injectors or providers of CT injectors per your local and/or national guidelines.

12. Do I need a dual-head or single-head Power Injector?

A dual-head injector will help streamline your workflow as it allows the injection of the contrast media as well as saline.

Your decision will be based on budget, patient volumes and workflow expectations.

13. Will a hand-held power injector be enough?

Hand-held devices tend to hold up to only 130ml, so unfortunately, a hand-held will not have enough capacity for the largest patients.

VI. INTERDEPENDENCIES

14. How does Clarity HD™ effect the I-View™ image?

All 2D Mammography images, including I-View™ images, already use the full resolution of the detector, so they are unaffected. If the customer is using Combo CEM mode (3-in-1), the 3D portion will be HD (high resolution).

15. Do I need a Hologic workstation in order to use I-View™ CEM?

No. CEM procedures can be viewed on all vendors' PACS workstations. However, if you would like to stack your Contrast and 2D or 3D Image and be able to flip back and forth through these images, Hologic workstations have that capability. (When you do this the images are not combined, it just allows the customer to see what is enhancing on the contrast and what it looks like on the other image.)

VII. PATIENT MATERIAL

16. Do you have any patient-facing material that explains CEM procedures?

Yes. We have patient-facing brochures and posters on demand. When you purchase I-View™ CEM, please request these materials from your local Hologic representative.

References

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2. Covington MF, et al, The Future of Contrast-Enhanced Mammography *AJR* Feb 2018.
3. John Lewin, Comparison of Contrast-Enhanced Mammography and Contrast-Enhanced Breast MR Imaging. *Magnetic Resonance Imaging Clinics of North America* May 2018.
4. Patel BK., et al, Potential Cost Savings of Contrast-Enhanced Digital Mammography. *AJR* Apr 2017 83:1350–1355.

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