

September 2012

Dear Vendor,

As one of our more forward-looking partners, you are undoubtedly observing excitement in the medical community around Selenia® Dimensions® 3D breast Tomosynthesis, a breakthrough in early breast cancer detection.

Hologic has taken its Tomosynthesis to the next level with C-View™ synthesized 2D images (CE marked), created from Tomosynthesis data sets. C-View synthesized 2D images are intended to be used with Tomosynthesis in the screening and diagnosis of breast cancer without requiring a separate 2D exposure. In the absence of a current 2D study, C-View synthesized 2D images may be useful for identifying changes when compared to the traditional 2D images from a previous exam.

C-View images are available in two Hologic modes:

1. ComboHD mode (2D+3D+C-View, per view); and,
2. As part of TomoHD mode (3D+C-View, per view)

In either case, doctors expect the review workstation to be able to hang each combination of these images, with proper sizing and orientation. It is important to note that in the case of a ComboHD view, there will be two 2D images present – the conventional 2D image, and the C-View synthesized 2D image.

Hologic has concluded that the correct DICOM encoding for these images is as single slice DICOM Breast Tomosynthesis objects. We plan to start releasing a version of C-View software that will produce such images towards the end of 2012. We also realize that a single slice breast Tomosynthesis object may be a case not tested by some developers, meaning that there may be a risk of breaking some implementations. So, we decided to increase short-term interoperability of these images by also implementing an optional DICOM Digital Mammography Image – For Presentation object form.

Along with this letter, Hologic has provided a small set of test cases. Each case includes:

- C-View synthesized 2D images in single slice BTO form (from future C-View product, due in Feb 2013)
- C-View synthesized 2D images in MG form (from future C-View product, due in Feb 2013)

Please note that these objects may go through some minor modifications in the coming months – you will receive updated test objects if they do. Also, there is a small subset of C-View

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synthesized 2D images in MG form from a soon to be discontinued product. Samples of these objects are available upon request.

We strongly recommend that you begin to plan implementing compatibility with the single frame DICOM Breast Tomosynthesis objects as those are the objects that Hologic expects to support long-term.

Thanks again for your support of Hologic's innovations in breast imaging. Please contact me with any questions.

Best Regards,

Neal Goldstein

**C-View is not available for sale in all markets including the United States*