ACPSEM Position Statement RE: Mammography Monitor Testing

ACPSEM Position Paper | RECOMMENDATIONS FOR A DIGITAL MAMMOGRAPHY QUALITY ASSURANCE PROGRAM V4.0 sections 4.2.10 Monitor Installation and Viewing Conditions and 4.3.14 Monitor Luminance and Viewing Conditions state “The maximum luminance of two or more diagnostic monitors on a workstation must be matched to within 5%. This requirement also applies to two viewing windows within the one large monitor.”

It has come to our attention that the above statement regarding luminance matching of large format monitors is also being applied to the luminance response (DICOM GSDF) and luminance uniformity evaluations. Specifically, for large format monitors using two windows within the same display, the luminance response and uniformity are being evaluated separately on each window of the same monitor.

Luminance response and uniformity evaluations should be performed on a single window utilising the entire display. The display should not be split into two windows to conduct these tests, unless specified by the manufacturer. Digital Imaging and Communications in Medicine (DICOM) calibrations must be performed in accordance with manufacturer’s specifications.

If you have any questions please don’t hesitate to contact us.

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