

CTB-00654

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Product: Selenia

Subsystem: QC Manual

Dimensions/3Dimensions

Subject: Announcement of Change to MAN-03706 Rev 009 QC Manual on
Selenia Dimensions/3Dimensions CNR Correction Factors for
Version 1.10/2.1 Software

Purpose

To announce a change being made to the Hologic Selenia Dimensions/3Dimensions QC Manual, MAN-03706 Rev 009 to add new CNR Correction Factor tables designed for use with Version 1.10/2.1 software.

Scope

This information applies to Selenia Dimensions and 3Dimensions systems running Version 1.10/2.1 software.

Resolution

New CNR Correction Factor tables for Table 0 - 15 Projections, Standard Mode, Tomosynthesis Option, and Table 7 – Enhanced Uniform CNR Screening Dose were added for use with Selenia Dimensions systems running at Version 1.10 software, and 3Dimensions systems running at Version 2.1 software.

These tables are to be used by the medical physicist when evaluating AEC Performance per the Hologic Selenia Dimensions/3Dimensions QC Manual, MAN-03706 Rev 009.

MAN-03706 Rev 010 will be revised to add these tables.

Customer Technical Bulletin (cont.)

AEC Table 0 (Standard Tomosynthesis Dose)

Compression Thickness	Detector Serial #: XX6xxxxx	Detector Serial #: XX8xxxxx
2.0 cm	0.64	0.64
4.0 cm	0.91	0.91
6.0 cm	1.46	1.55
8.0 cm	2.37	2.78

The following is AEC Table 7 for Conventional (Contact) mode for systems running Version 1.10/2.1 software:

AEC Table 7 (Enhanced Uniform CNR Screening Dose)

Compression Thickness	Detector Serial #: XX6xxxxx	Detector Serial #: XX8xxxxx
2.0 cm	1.25	1.25
4.0 cm	1.20	1.20
6.0 cm	1.30	1.35
8.0 cm	1.70	1.82

Systems running Version 1.9.x/2.0.x and below shall still use the existing AEC Tables in the Rev 009 QC Manual.