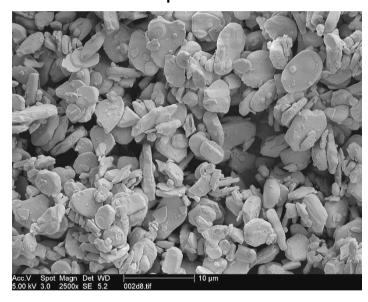
Agfa Dose Management "Content" v3



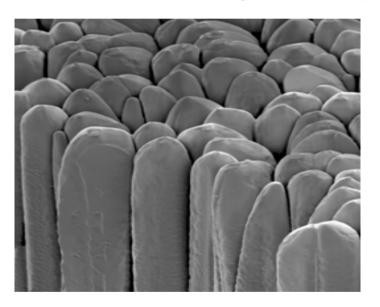
Agfa HealthCare offers both <u>Powder and Needle</u> Phosphor Detectors for DR and CR to begin your patient dose management program

Powder Phosphors Economical



- ✓ Gadolinium Oxysulfide (GOS) for DR
- ✓ Barium Fluoride Bromide for CR

Needle Phosphors High Efficiency



- ✓ Cesium Iodide for DR
- ✓ Cesium Bromide for CR

Top three reasons to choose Agfa CR & DR

- 1. Musica 2 Image Quality
- 2. NX Multi-Modality Workstation (all Agfa CR & DR), Agfa Dose Management tools, Workflow, Productivity & Flexibility
- 3. Highest Quality DR Panels with Potential Dose Reduction (Canon DR Panel/Cesium Iodine)



#3 Highest Quality DR Detectors

The DX-D 30C Wireless Detector offers the smallest pixel size available for a full size detector: 125 μ m. Each image contains more image information And more image information means a more accurate diagnosis.

Receptor type: Amorphous Silicon Technology

Conversion screen: Cesium Iodide (CsI)

• Effective Image Area: 350 x 426 mm

• Size: 46 x 38.4 x 1.5 cm (18.1 x 15.1 x 0.6 inch)

• Weight: 3.4 kg (7.5 lbs) (incl. battery)

• Gray scale: 4,096 gradations

Pixel Matrix: 3,408 (h) x 2,800 (v)

• (approx. 9.5 million pixels)

• Pixel Pitch: 125 μ m

Resolution: 4 lp/mm

Energy Range Standard: 40-150 kVp



- The Agfa NX Multi-Modality Workstation for both DR and CR
- Designed by and for Technologists for Increased Productivity
- The same, intuitive user interface for DR and CR means workflow consistency
- The same, intuitive user interface for DR and CR means less staff training
- The same, intuitive user interface for DR and CR m more exposure and dose control and consistency



- NX on-board DX-D 100 supports both WiFi and Ethernet connectivity for RIS & PACS
- NX Integrated with the X-Ray Generator
- Dose Monitoring, Repeat/Reject and Structured Reports
- NX Includes Procedure Code Mapping for better workflow and productivity
- NX Includes MPPS supporting IHE Workflow
- NX Includes DICOM Storage Commitment

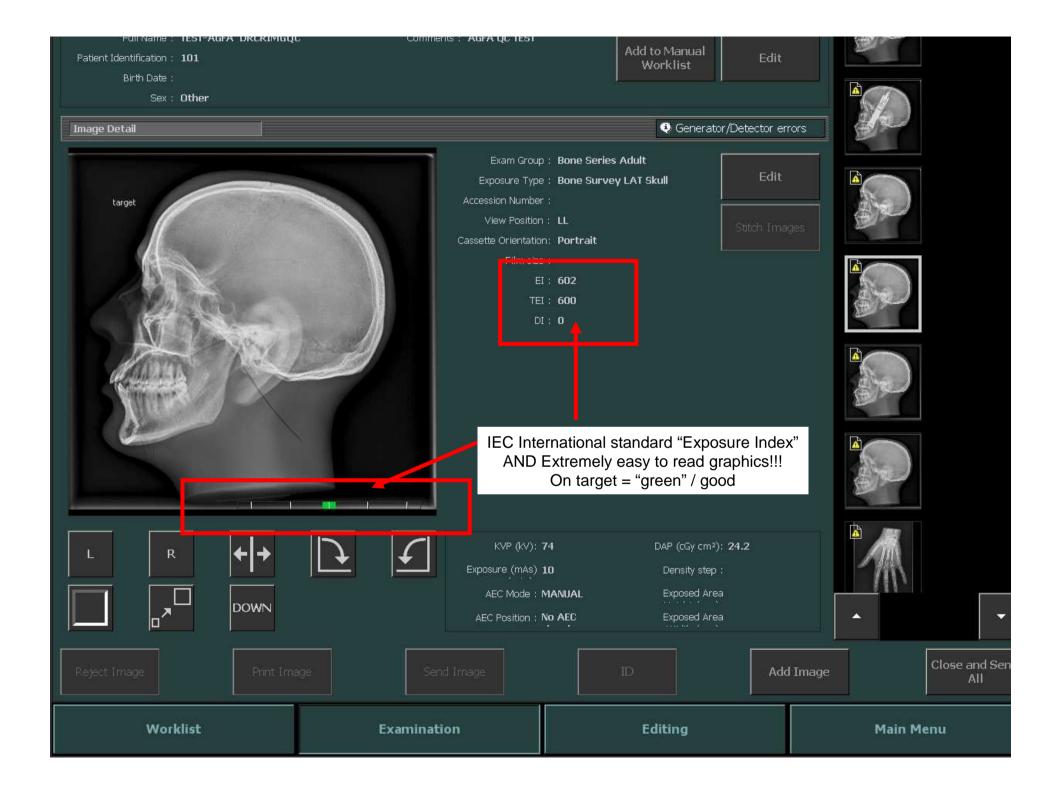


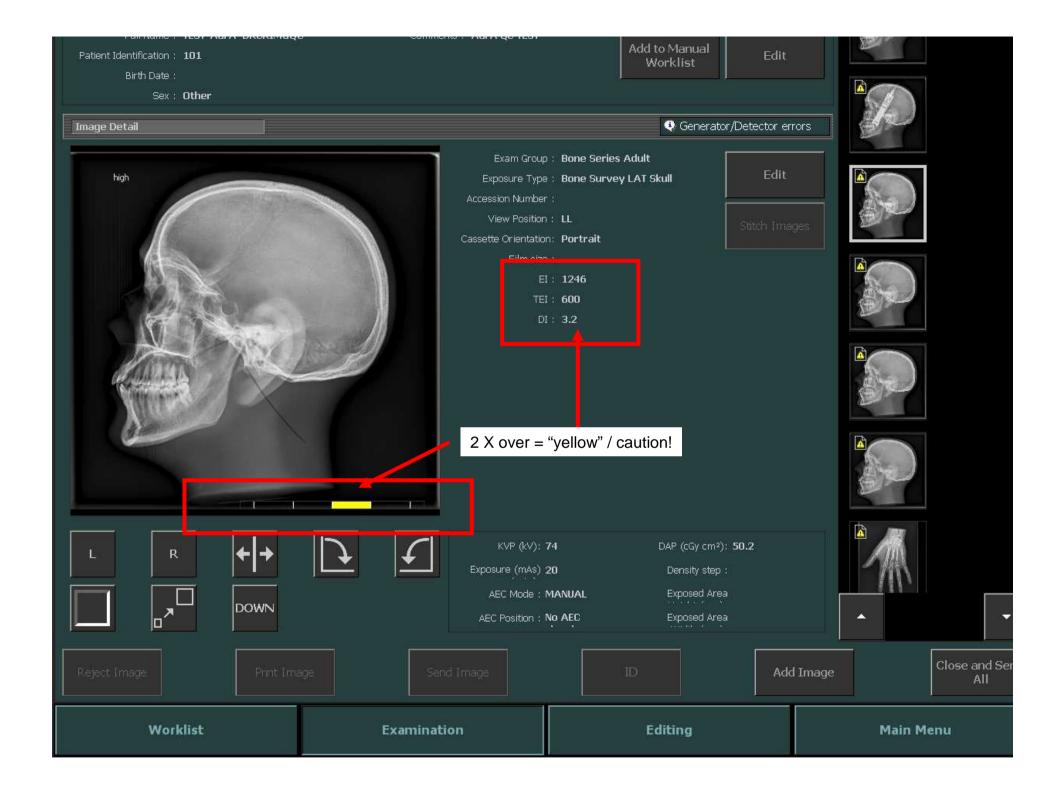


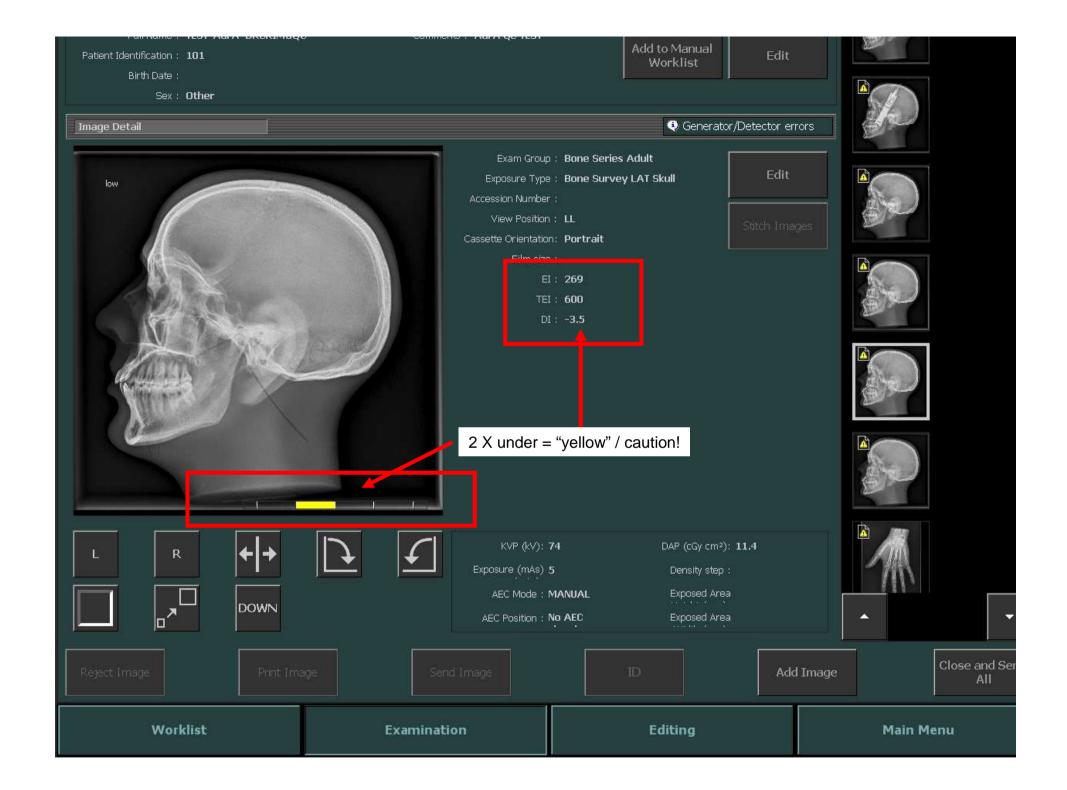


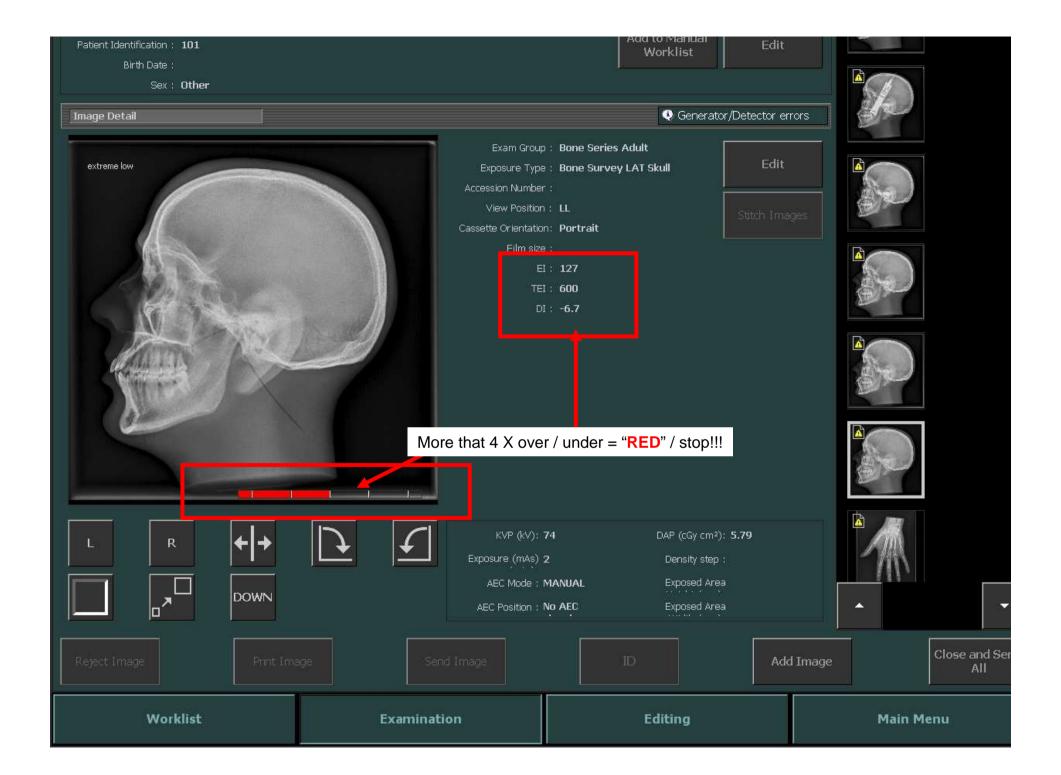






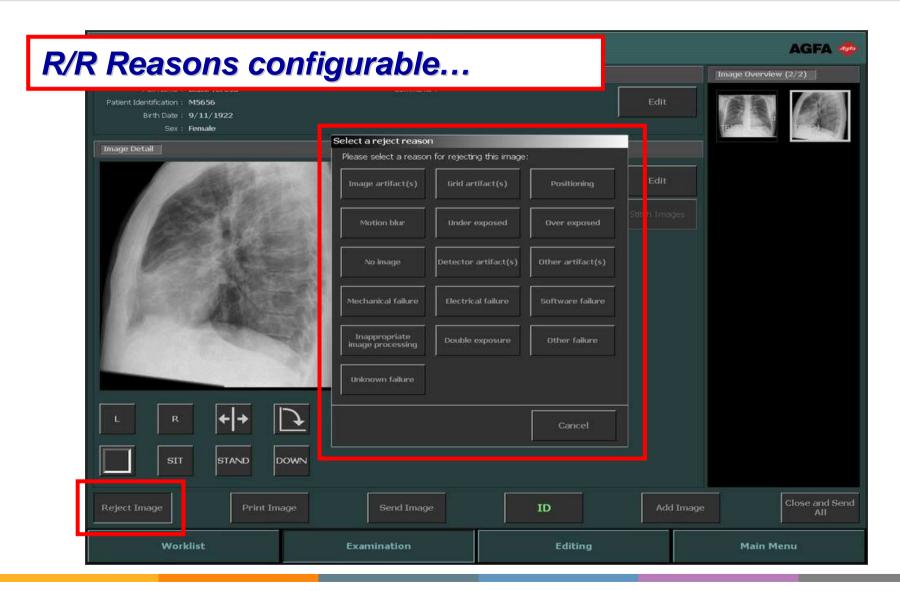








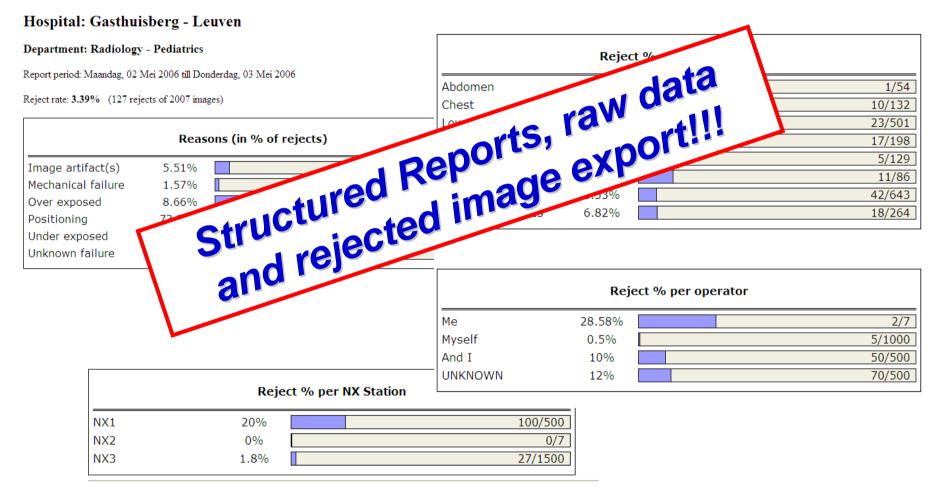




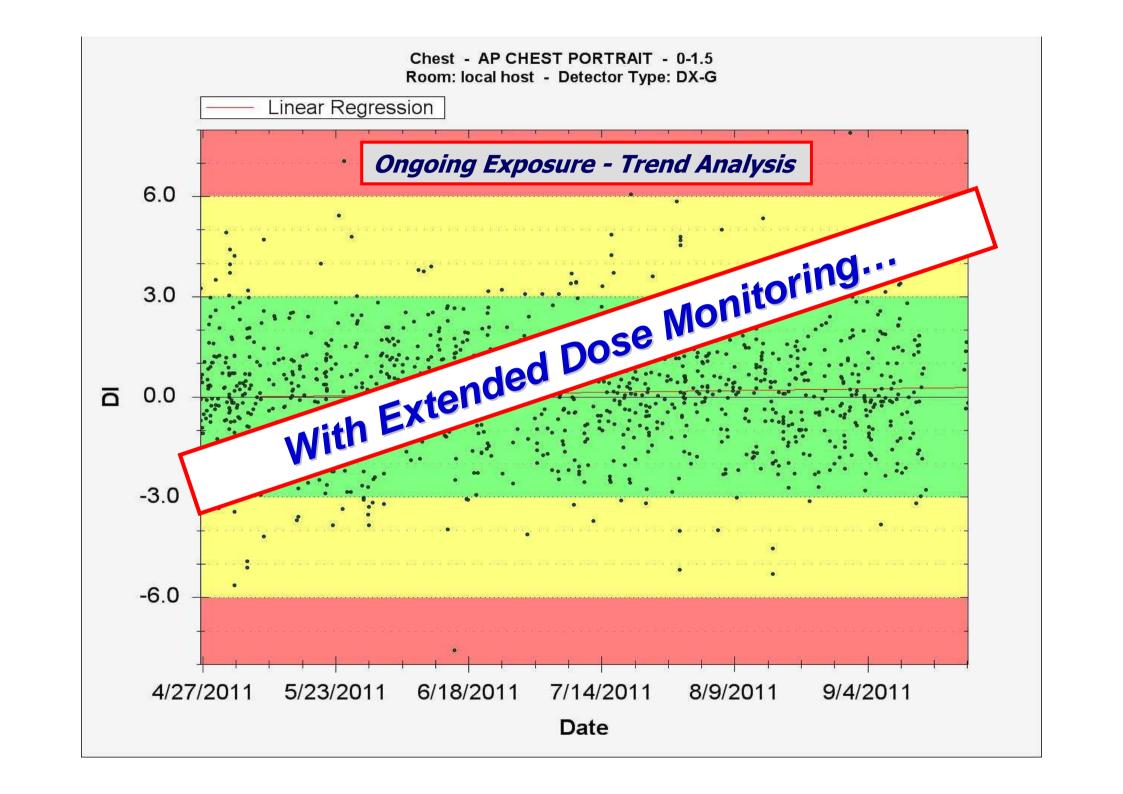


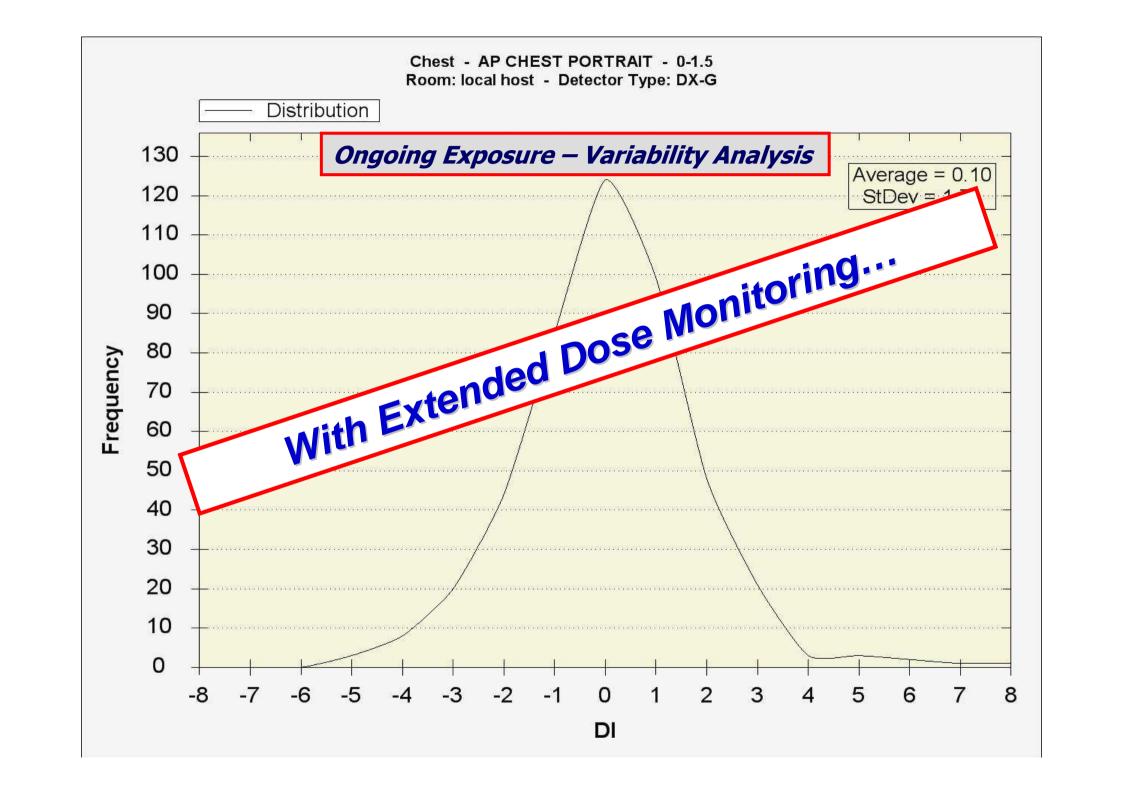
Reject report











IHE REM Profile:

- Supported at the modality level by <u>all Agfa DR and DR Systems!!!</u>
- Structured Reporting for Management
- Automates data collection
- Useful component for a site Radiation Safety Program
- Ask about it when purchasing/upgrading
 - Check products IHE Integration Statement
- Discuss your reporting/analysis preferences with your Dose Info Reporting vendor
- Consider legacy system strategies



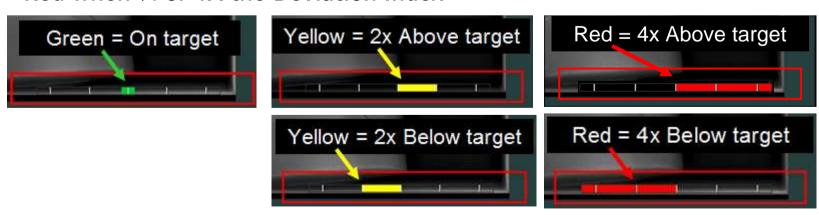
Agfa NX gives the technologists <u>instant exposure information during the exam acquisition</u> displaying the IEC Standard Exposure Index, Target Exposure index and Deviation Index. All of this data is also sent to PACS for display and storage in dedicated DICOM fields!

Only Agfa NX also gives the technologists <u>instant exposure feedback</u> in an easy to understand color graphic display right on the preview image!

EI: 1246

DI: 3.2

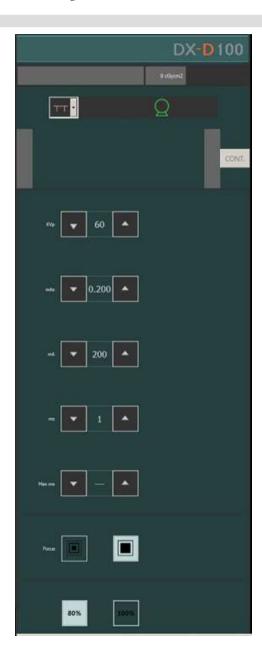
- Green On target
- Yellow when ½ or 2X the Deviation Index
- Red when ¼ or 4X the Deviation Index



With the optional DAP Meter on Agfa DR Systems [Dose Area Product Meter], the actual radiation output is instantly measured, displayed on the NX Exam screen and sent to PACS!

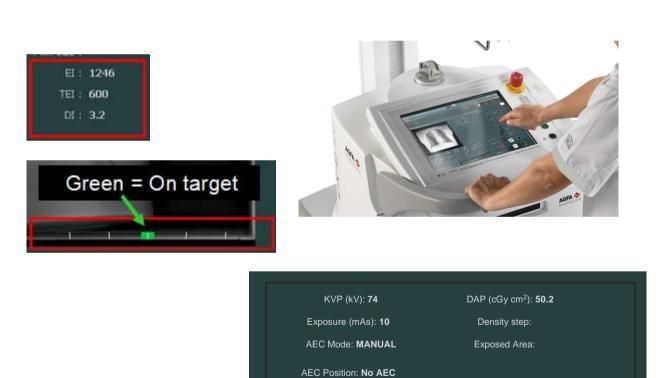


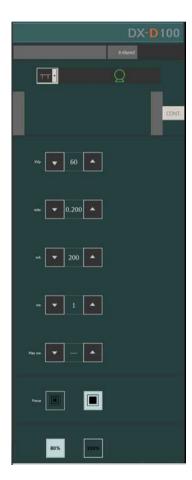
The Agfa NX Workstation is fully integrated with the DX-D 100 X-Ray Generator gives the technologists the standard exposure factors for the exam and sends the exposure factors to the PACS for storage!



Need Dose Management and exposure documentation for your portable exams?

The Agfa NX Workstation does that. Can your DR Portable?





Dose Management with Agfa NX DR & CR Workstations:

DR:

- Cesium based "needle" detectors
- Agfa Dose monitoring graphic dose display
- Industry Standard Exposure Index (EI)
- Target Index (TI)
- Deviation Index (DI)
- Actual Tube output DAP Meter
- Actual Exposure Factors, kVp/mA
- IHE Structured Report (REM Profile)
- Repeat / Reject Program
- Structured Report, Raw data and rejected image output

<u>CR:</u>

- Cesium based "needle" detectors
- Agfa Dose monitoring graphic dose display
- Industry Standard Exposure Index (EI)
- Target Index (TI)
- Deviation Index (DI)
- IHE Structured Report (REM Profile)
- Repeat / Reject Program
- Structured Report, Raw data and rejected image output
- Auto QC2 with over 25 AAPM tests done with 2 exposures!





#1 MUSICA²

- Industry 'Gold Standard' Image Processing
- Automatic & Exam independent!
- Soft Tissue, Bony Detail & all details in-between in Single Image
- Tube and Line Placement in Single Image
- No reprocessing required on NX or PACS
- Image consistency across CR and DR modalities







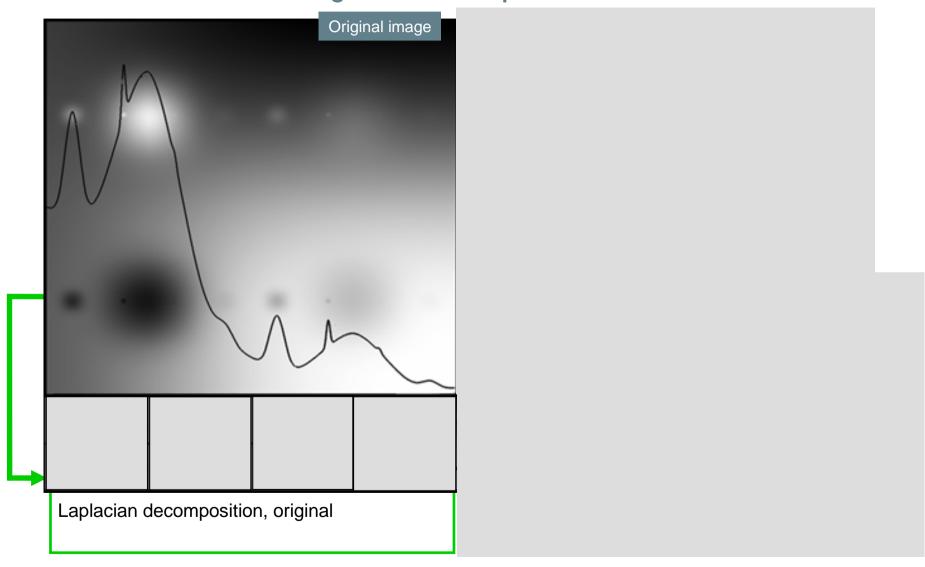


CONVENTIONAL MUSICA

MUSICA²

CR Technology

• MUSICA is multiscale image contrast amplification



MUSICA ² DR & CR Image Processing

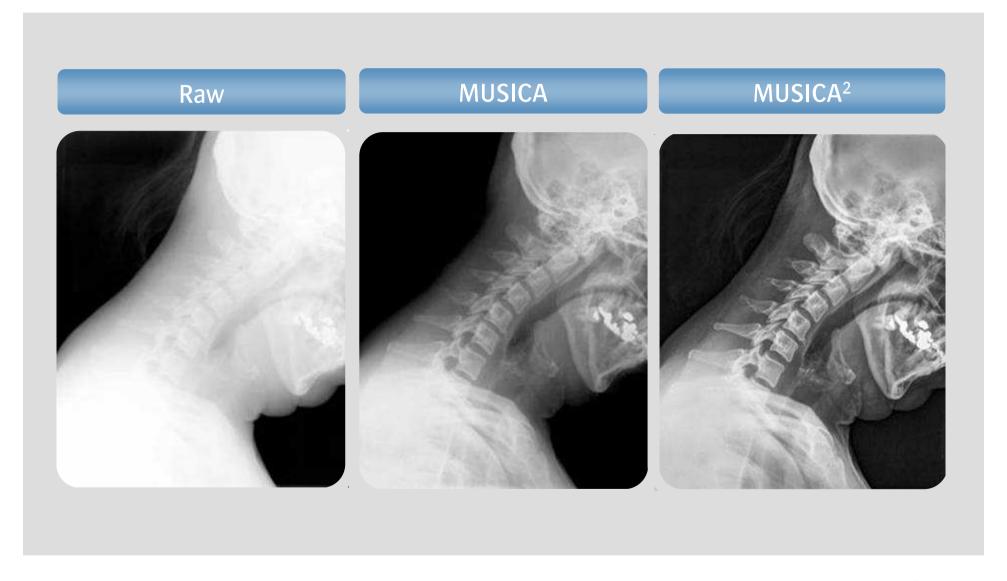




Image Quality and Dose Management Requires Advanced Image Processing



Non Agfa DR

Agfa DX-D With MUSICA²

Great Individually...<u>Unbeatable</u> Together!!!

