

Digital Mammography Upgrade Solution

DRTECH

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Leading Innovation in New Digital Mammography

Digital Mammography Upgrade Solution

RSM 1824C / RSM 2430C

DRTECH



Proven High Quality Images:

High Quality Digital Images for Increased Diagnostic Confidence

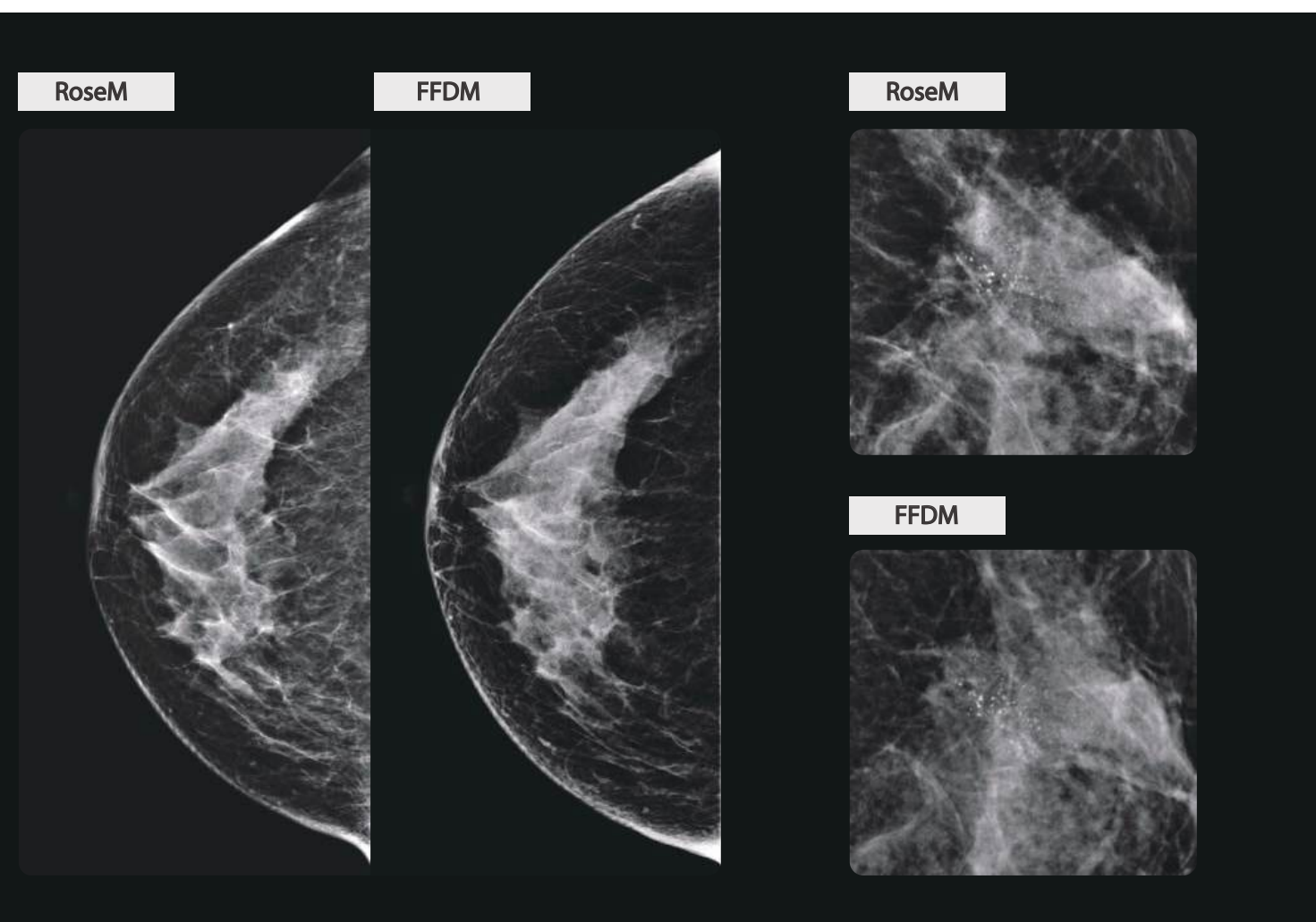
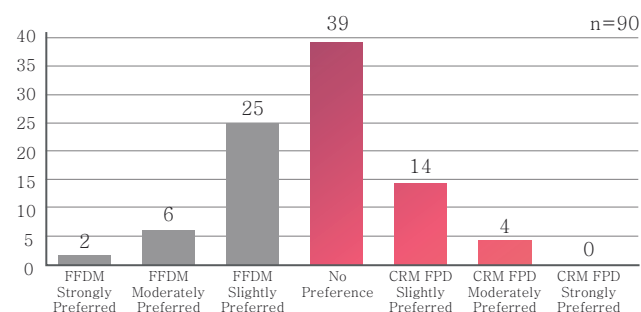
SPIE.2019 SPIE 10948

“The image quality of the digital mammograms obtained with RSM2430C installed on an analog system was comparable with the image quality obtained with FFDM”

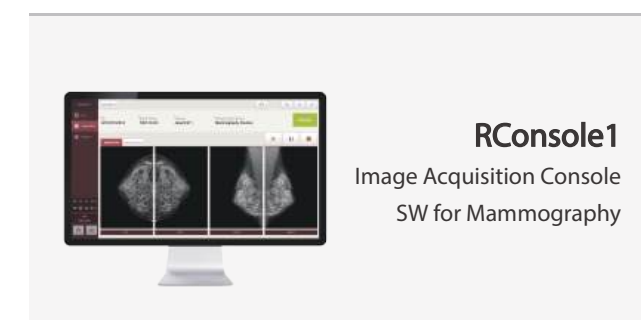
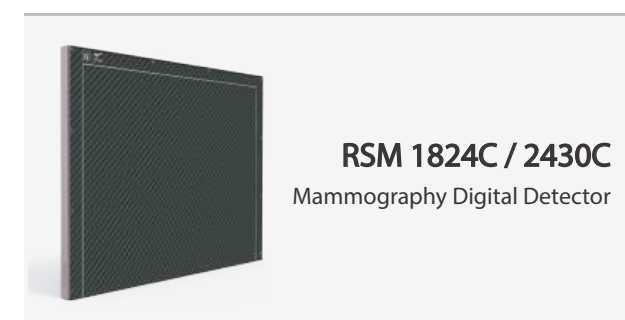
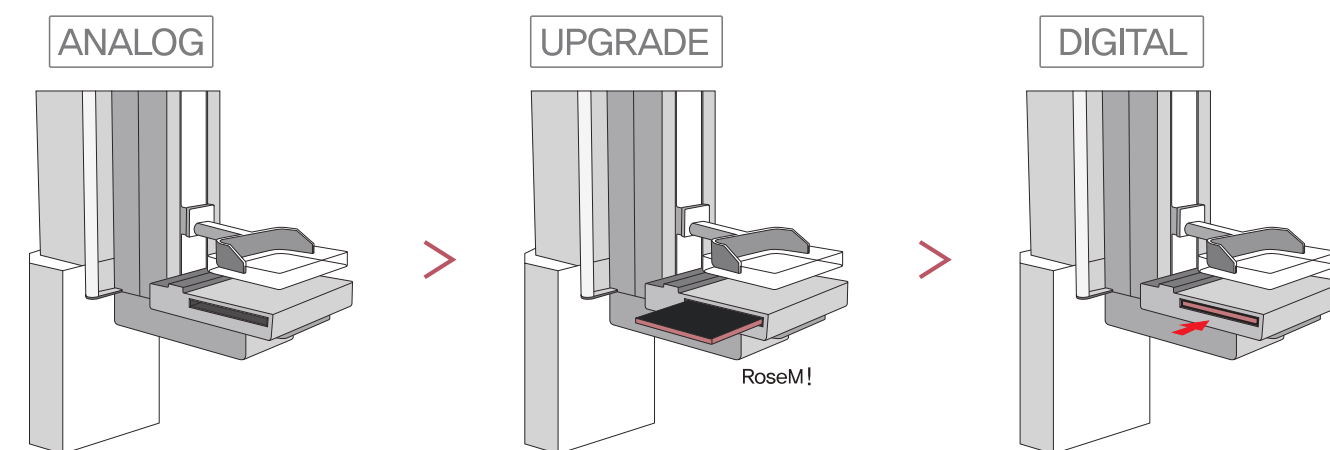
*Clinical study results from University Hospital

Comparison of Digital Mammograms Obtained with the Cassette-type Retrofit Mammography Flat Panel Detector Installed on an Analog System and the Conventional Full-field Digital Mammography

Proc. SPIE 10948, Medical Imaging 2019: Physics of Medical Imaging



Digital Mammo. Upgrade Solution: RoseM



Analog to Digital



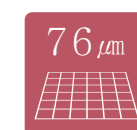
Easy and Fast Upgrade

Simply insert RoseM into the bucky of an analog system for instant digital upgrade.



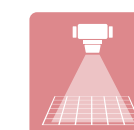
Slim Cassette Size

Perfect compatibility with all analog mammo. systems with slim cassette size design equal to film/CR IP cassette (ISO4090).



Excellent Digital Mammography Images

With 76 μ m pixel size and proprietary image processing technology; TRUVIEW®ART, TRUVIEW®M, high quality images paralleling top-tier FFDMs can be acquired with RoseM.



Perfect AEC Compatibility

Designed to be compatible with AEC sensors of all analog systems, RoseM can convert any analog systems into a full digital system to meet any global quality and regulatory standards.



Digital Upgrade Mammo Solution

RSM 1824C / 2430C

Benefits of RoseM

- 

Most affordable digital mammo. upgrade
- 

Maximized workflow efficiency with digitalization
- 

Film/IP cassette and human resource maintenance cost savings
- 

Fast imaging and patient waiting time for increased patient satisfaction
- 

Freed space from CR device and film storage for increased space usability
- 

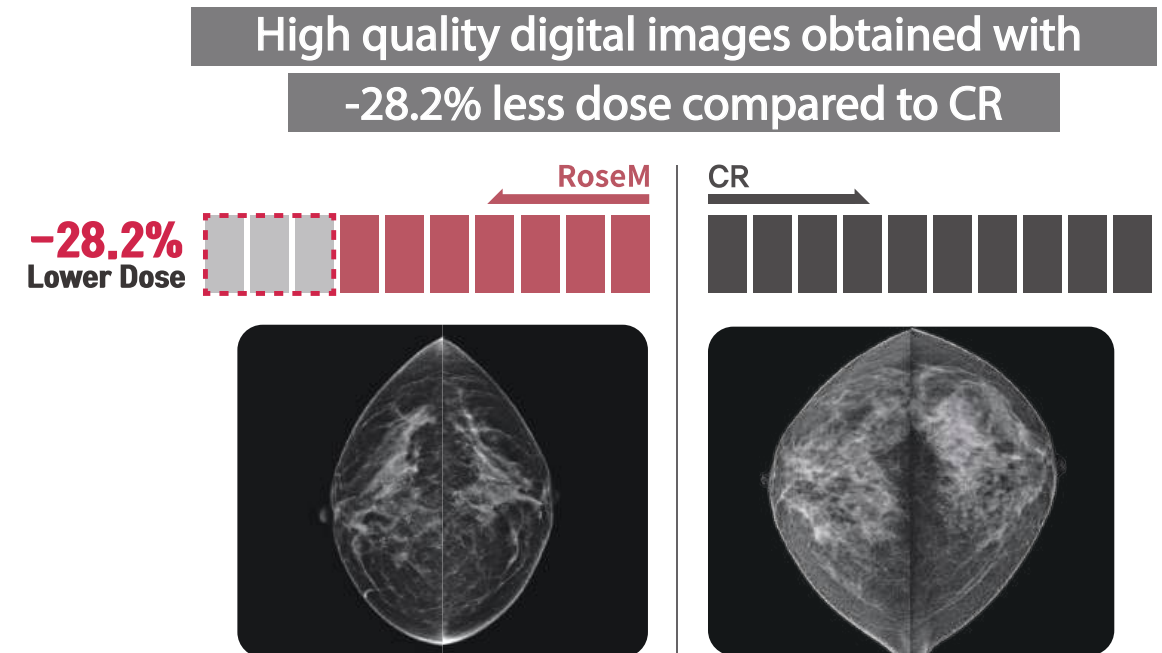
Increased # of patients and revenue with digitalization

RSM Specification

Model	RSM 1824C / RSM 1824 Choice	RSM 2430C / RSM 2430Choice
Conversion Layer	Direct Deposition Csl	Direct Deposition Csl
Pixel Pitch	76 μ m	76 μ m
Resolution	2,304 x 3,072	3,072 x 3,840
MTF	20% @ 5 lp/mm	20% @ 5 lp/mm
Preview Time	~ 4 sec.	~ 4 sec.
Cycle Time	~ 13 sec.	~ 13 sec.
Data Interface	Gigabit Ethernet	Gigabit Ethernet
AEC Sensing	System Compatible AEC	System Compatible AEC
Chest Wall Distance	2.0 mm	2.0 mm
Weight	0.92 kg (Detector Only)	1.2 kg (Detector Only)
Overall Dimension	194.5 x 267.5 x 14.2 mm	253.75 x 327.15 x 14.2 mm
Image Processing	TRUVIEW®M + TRUVIEW®ART	TRUVIEW®M + TRUVIEW®ART

Dose Reduction

Lower patient dose compared to CR system

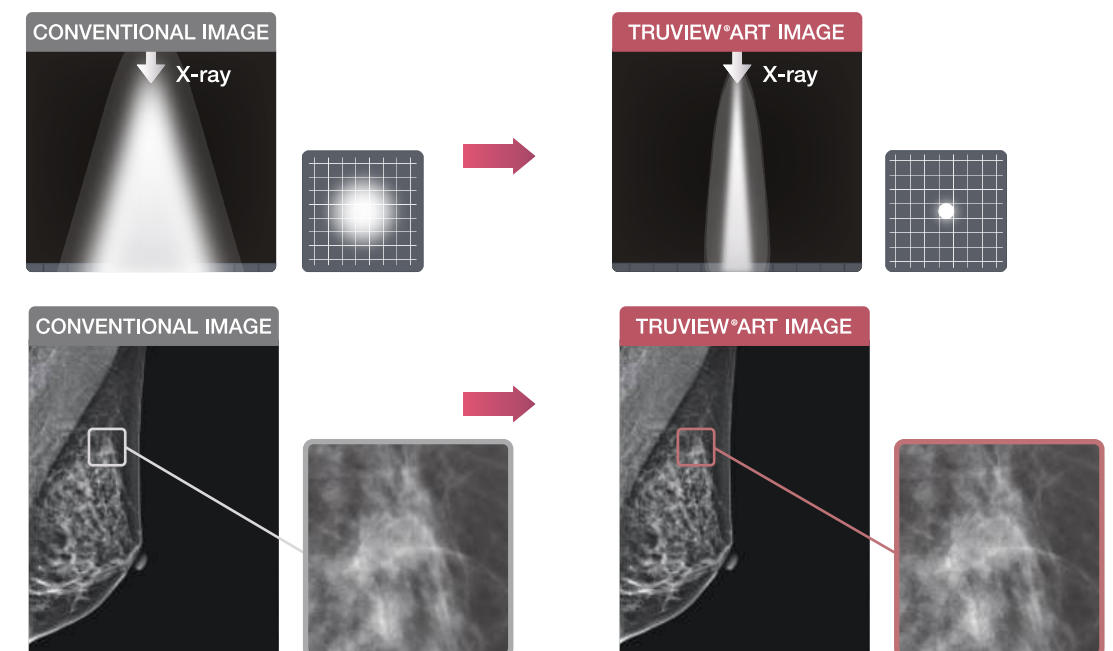


“Comparing AEC settings between DR and CR”
Abstract presented at ECR 2019

TRUVIEW®ART

Image sharpness enhancing Advanced image Reconstruction Technology

Image sharpness in a conventional Csl image is reduced due to light scattering.
TRUVIEW®ART, DRTECH’s unique and patented reverse filtering technology, reconstructs and improves image sharpness to increase the possibility detecting abnormalities including micro-calcification.



Convenient Image Acquisition SW and Advanced Image Processing Technology



User Friendly UI Software

- Fast and easy patient registration
- Fast procedure registration with preset positions
- Positioning and imaging guide for accurate imaging
- Multi-language support (17+ languages)



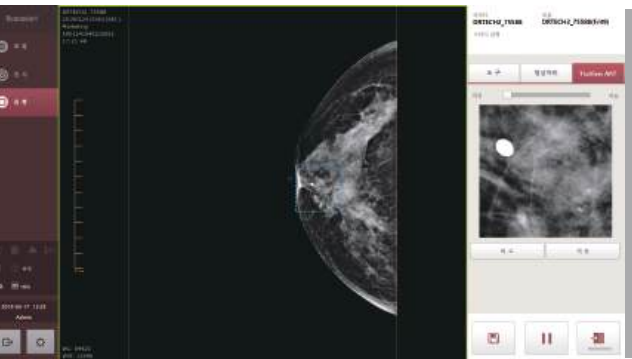
Convenient Patient and Image Management

- Easy patient tracking with past image recall
- Patient reporting made easy for easier referral process
- Image export tool (CD, DVD, Print etc.)
- DICOM compatible



Advanced Image Parameter and Display Tools

- Supports magnification view
- Easy image parameter setting tool
- Various analytical tools



Specialized Mammography Image Processing Technology

- TRUVIEW®M – Increased image quality and diagnostic accuracy with AI image processing
- TRUVIEW®ART – Increases MTF by 30%
- Increased image dimensionality and depiction accuracy

Rose has successfully fulfilled **international mammography standards** and is being sold officially in **45 Countries**



Benefits of RoseM Upgrade Solution

Digital
Upgrade
Solution



RoseM



Old Analog System



Digital Hospital

New
Digital Equip-
ment



RoseM



New Analog System



Digital Hospital

For Mobile
Health Buses



RoseM



RoseM Upgrade Kit



Analog to Digital
Examination Bus