



SIEMENS

User
Services

Optimize Mammography Imaging

Taking digital mammography imaging to the next level

www.usa.siemens.com/optimizemammography

Answers for life.

Optimize Mammography Imaging

The Need for Constant Improvement

Digital imaging systems are capable of providing high quality images while still helping your institution meet its financial objectives. As with any piece of complex imaging equipment, there is always room for improvement. Whether it's artifacts or dose exposure, issues arise that can compromise image quality as well as patient and provider safety.

Even veteran imaging professionals require ongoing training to further their own ability to enhance image quality and troubleshoot various issues.



Optimize Mammography Imaging

This is why Siemens created Optimize Mammography Imaging—training designed to help your experienced digital mammography technologists optimize their use of your facility's imaging equipment investments.

Available for technologists who have operated either the MAMMOMAT Novation or MAMMOMAT Inspiration system for at least three months, Optimize Mammography Imaging can be delivered in three 2-hour Virtual Instructor-Led Training (VILT) modules or one 8-hour Onsite Workshop.

Two Training Options – One Goal

Both the VILT and the Onsite Workshop are designed to accomplish the same objective—to assist mammography imaging professionals in their efforts to continually improve image quality and patient care. Siemens offers two training options as a way to better meet facility needs and staff learning preferences.

► **VILT:** Online classroom training created to accommodate staff schedules and facility budgets

► **Onsite Workshop:** A didactic and hands-on training experience that occurs at your facility

Get Started Today

Whether you'd like to provide your mammography technologists with hands-on training or learning flexible enough to accommodate various schedules and budget constraints, Siemens has the solution for you.

To learn more about this program and how Siemens can help you unleash the potential of your investment, call 1-888-221-8010, Option 1, 4 or email us at clinicaleducation.healthcare@siemens.com

Optimize Mammography Imaging: How It Works

Training is broken down into three sections. For the VILT, each section is delivered in a 2-hour online learning module. For the Onsite Workshop, all three sections are delivered in one 8-hour training session at your facility.

The Training Structure		
Each Optimize Mammography Imaging section covers a range of essential topics.		
1. IMAGE QUALITY ESSENTIALS	2. IMAGE QUALITY FACTORS	3. IMAGE QUALITY REVIEW
<ul style="list-style-type: none"> What is image quality? Imaging chain X-ray beam characteristics Image processing Detector Quantum Efficiency (DQE) Modular Transfer Function (MTF) 	<ul style="list-style-type: none"> Contrast Spatial resolution Noise Automatic Exposure Control (AEE)/OpDose Image Processing Parameter Group (IPPG) 	<ul style="list-style-type: none"> Artifacts Dose reduction Image review

The Goals of Training		
Optimize Mammography Imaging is designed to provide your staff members with the ability to do each of the following:		
1. IMAGE QUALITY ESSENTIALS	2. IMAGE QUALITY FACTORS	3. IMAGE QUALITY REVIEW
<ul style="list-style-type: none"> Identify the components of the imaging chain Differentiate between beam quality and beam intensity Understand the impact of DQE and MTF and their role in the image chain 	<ul style="list-style-type: none"> Optimize the use of mAs and kV to obtain exceptional image quality Understand how image processing parameter groups can be used to achieve optimal image quality Discuss how to manipulate images if noise occurs on the images Describe how various processing functions impact image quality 	<ul style="list-style-type: none"> Distinguish image artifacts to aid in the troubleshooting process Analyze glandular dose in order to identify how to adjust mammographic technique Discuss dose reduction methods in digital mammography

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