

GE Healthcare Breast Imaging Timeline



2018
INVENIA ABUS 2.0

Next generation further streamlines scanning, reading, and reporting with advancements in imaging performance

LOGIQ™ E10 ULTRASOUND
Next generation imaging enabling breast study efficiency and consistency through automation



2017
SENOGRAPHE PRISTINA™ 3D INTRODUCED

Senographe Pristina 3D mammography now delivers superior diagnostic accuracy¹ compared to 2D mammography for screening or diagnostic mammograms.

RESHAPING THE MAMMOGRAPHY EXPERIENCE

GE Healthcare continues to provide greater comfort, confidence, and clarity.

SENOGRAPHE CRYSTAL NOVA™*
Digital mammography transformed and simplified.



PRISTINA DUETA™
An industry first, patient-assisted compression device, giving patients a sense of control during their mammograms.

SENOBRIGHT™ HD
Next-generation Contrast Enhanced Spectral Mammography (CESM).

PRISTINA SERENA
Reshaping the biopsy experience. Designed for versatility and efficiency with lateral access so patients can undergo the biopsy in the same room as the mammogram.



2016
SENOGRAPHE PRISTINA

New mammography system designed by women for women to reinvent the patient experience.



THE ONE STOP CLINIC

GE partners with Gustave Roussy Cancer Campus of France to develop the One Stop Clinic dedicated to providing same-day breast diagnoses and treatment plans.

SENO IRIS™
New workstation speeds up diagnosis for radiologists.



2000
A NEW ERA: DIGITAL MAMMOGRAPHY
GE's Senographe 2000D, a full-field digital mammography equipment, is introduced.

2000-2013
DEVELOPING 3D MAMMOGRAPHY

3D mammography, also called Digital Breast Tomosynthesis, is a three-dimensional imaging technology that provides a clearer view through the overlapping structures of breast tissues. GE's 3D Mammography is introduced in 2013.

2002-2003
SENO ADVANTAGE™ IS INTRODUCED

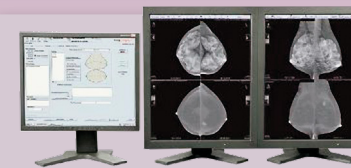
First digital mammography-dedicated review workstation, with improved reading and enhanced contrast.



2006
SENOGRAPHE ESSENTIAL IS INTRODUCED

Moving one step forward into the future with a large field of view and commitment to Tomosynthesis upgrade.

2004
INTRODUCING SENOGRAPHE DS
Dedicated platform for digital mammography with interventional capability, featuring intelligent image sharpening.



2011
SENOBRIGHT™ CONTRAST ENHANCED SPECTRAL MAMMOGRAPHY (CESM)
SenoBright CESM produces contrast-enhanced images of the breast using an X-ray contrast agent and two different X-ray energy levels to help localize lesions.

2012-2014
IMPROVING THE PATIENT EXPERIENCE
SensorySuite is introduced, focusing on improving patient experience.



2014
INVENIA™ ABUS
Supplemental breast cancer screening for women with dense breast tissue.



1991
IMPROVING QUALITY STANDARDS
GE introduces the first automatic optimization of parameters (AOP).



1987
GE ACQUIRES CGR
Mammography machines, including the first 3D localization system, that follow the Senographe remain the standard of care for breast cancer screening.



1976-1980
MODERN MAMMOGRAPHY DETERMINED

The launch of Senographe 500T and Sentomix are key steps in terms of ergonomics and image quality. The first molybdenum tube with rotating anode is introduced.

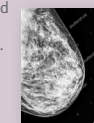


1966
INTRODUCTION OF A DEDICATED MAMMOGRAPHY SYSTEM: SENOGRAPHE™
French radiologist Pr. Charles Gros asks the Paris-based Compagnie Générale de Radiologie (CGR) in 1965 to investigate a solution to improve mammography. A year after, CGR launches its first breast-dedicated X-ray imaging equipment.



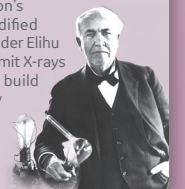
1965
FIRST DEDICATED X-RAY APPARATUS
A crystallographic x-ray tube mounted on a camera tripod was the forerunner of Senographe, the first breast-dedicated mammography unit.

1949
FIRST BREAST COMPRESSION TECHNIQUE
Developed by Uruguayan radiologist Raul Leborgne for dedicated breast radiography.



1913
FIRST ATTEMPT TO IDENTIFY BREAST CANCER USING X-RAYS
By German Surgeon Albert Salomon. He recognizes the importance of breast compression for improving image quality.

1895
FIRST LIGHT BULB EMITS X-RAYS
Thomas Edison's light bulb modified by GE co-founder Elihu Thomson to emit X-rays and uses it to build the first X-ray machine.



* Senographe Crystal Nova is not commercially available in some markets. It is not cleared or approved by the U.S. FDA.

1. GE screening protocol consists of 3D CC/MLO + V-Preview CC/MLO, V-Preview is the 2D synthesized image generated by GE Seno Iris mammography software from GE DBT images. FDA PMA P130020 <http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfPMA/pma.cfm?id=P130020>, Data on file. Average glandular dose in digital mammography and digital breast tomosynthesis: comparison of phantom and patient data. Bouwman, R. W. and al., et. 2015, Physics in Medicine & Biology, pp. 7893-7907.

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