



DRTECH

AIDIA LUXE

Reimaging Excellence in Breast Imaging
with Precision and Luxury

AIDIA LUXE 2D Upgradable 3D

AIDIA LUXE 3D

AIDIA TRUMETRIC Biopsy

High Resolution Diagnostic Image

- Narrow angle (15°) image acquisition
- Middle angle (25°) image acquisition
- Low dose & high image quality
- Indirect type 76 μ m Csl
- Ultimate tube & filter combination

User-friendly Design

- Minimal user operation by full automation
- Providing dynamic information
- Color display
- Transportation & Installation in minimal space by compact design

State-of-the Art Low Dose Technology

- Advanced AED using dual measurement method
- Premium RoseM detector for increased dose efficiency
- Switching dual filter technology – Rh, Ag

Truview3D Reconstruction

- Advanced Reconstruction
- High quality 2D Synthetic Image
- High quality Slab Image

Improved Diagnostic Convenience & Accuracy

- User centric SW UI design
- High resolution, large Display
- 27", UHD monitor

Independent Rotation Axes

- Independent rotation axes for T-Arm & C-Arm
- Minimized vibration during rotation ensures stable and clear imaging

LUXE Radiologist Review Software

- Intuitive software UI for enhanced diagnostic workflow
- 32" Medical grade color single monitor
- Supports PACS integration



3D Mammography Acquisition Technology

Narrow
Acquisition
15°

Middle
Acquisition
25°



**Short image
acquisition time**



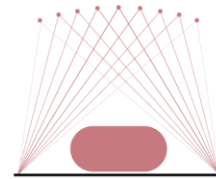
**Clear, sharp Images
Highest Resolution**



**Seamless imaging
mode transition**

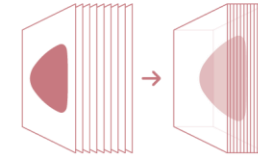


Acquisition



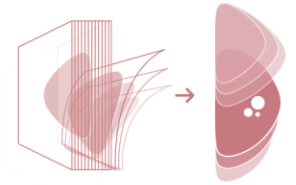
- 9 low dose projection images acquired at ± 7.5 degree angles
- 11 low dose projection images acquired at ± 12.5 degree angles

Reconstruction



- Image reconstruction with an iterative reconstruction algorithm utilizing high-precision **TRUVIEW™ 3D Technology**

Presentation & Interpretation



- Tomosynthesis image interpretation with minimal interference from overlapping tissue structures

TRUVIEW™ 3D Technology

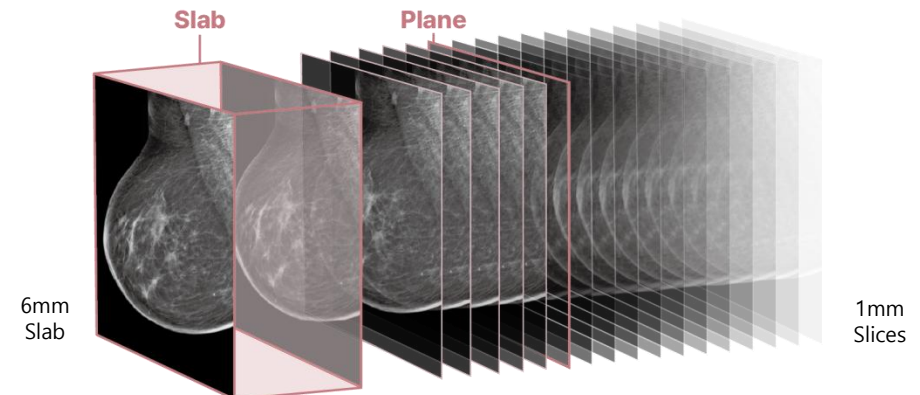


Image Quality

Image quality comparison preliminary study:
DBT stop & shot (Narrow Angle) + 2D Synthetic Image

Comparison Devices	GE Senographe Prestina, HOLOGIC 3D Dimensions
Phantom	Biopsy (5cm) / TORMAM (6cm) / VOXMAM (6cm)
Test Institution	Seoul Asan Medical Center (General Hospital)

Microcalcification, Fiber, Contrast and Image dimensionality comparison
Comparable to Hologic & Higher Image Quality compared to GE

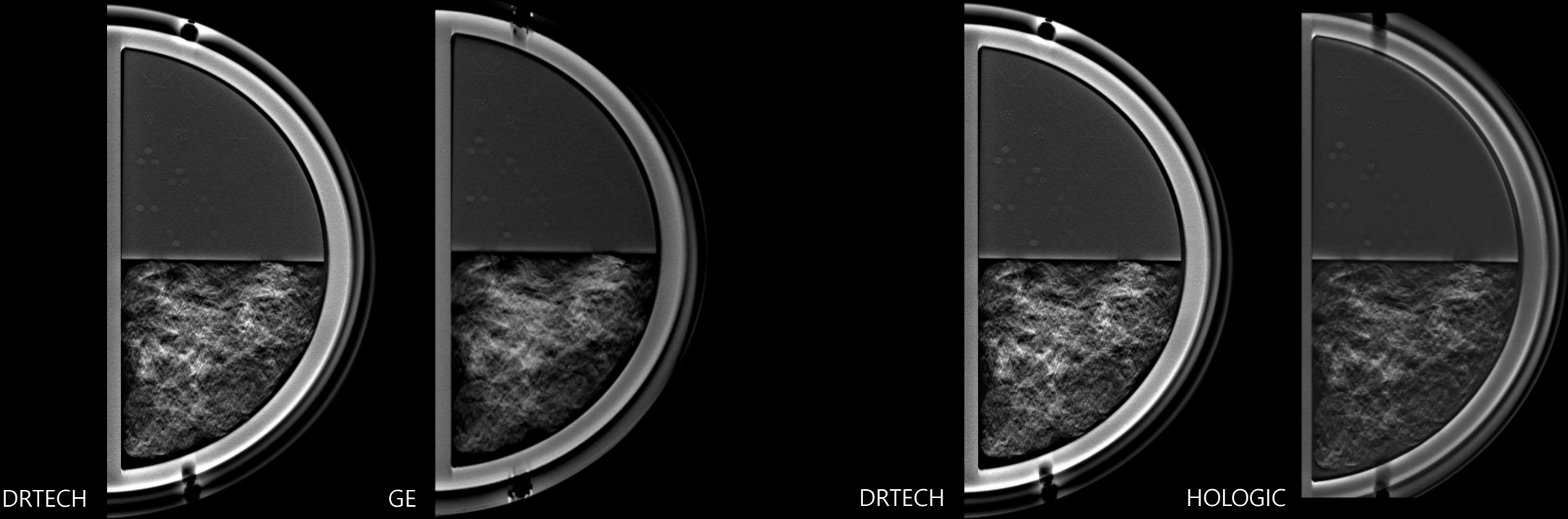
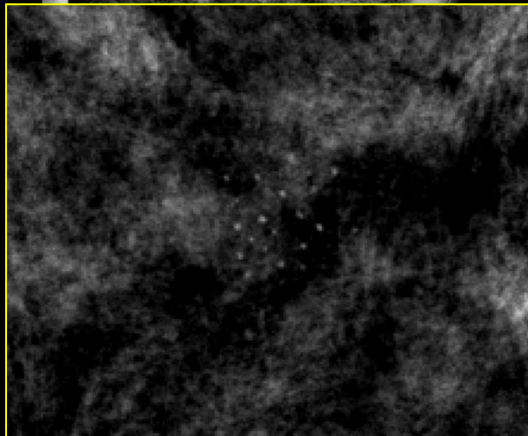
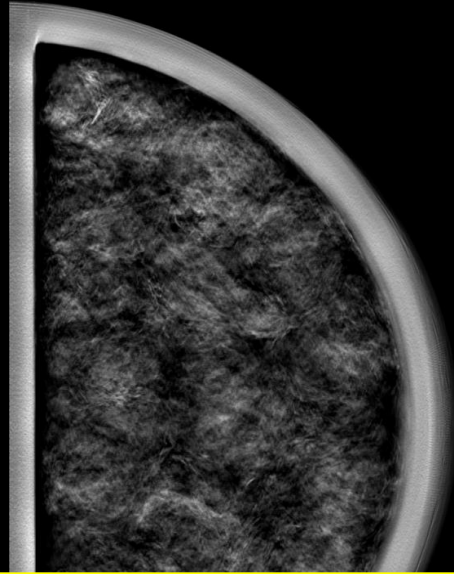


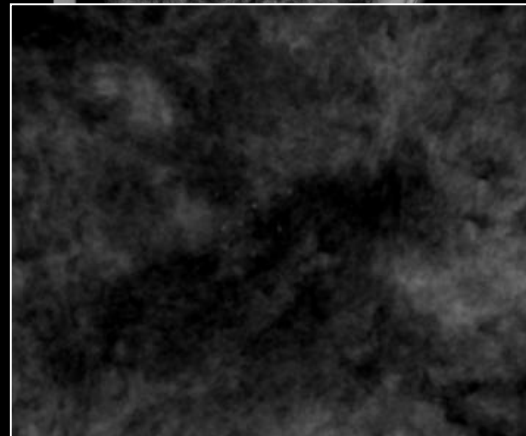
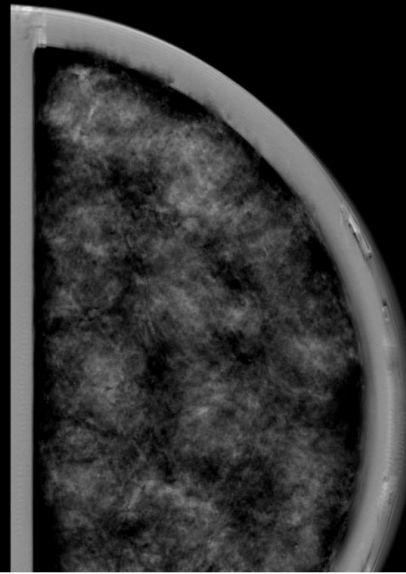
Image Quality

VOXMAM Phantom : Microcalcification visualization comparison

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GE



HOLOGIC

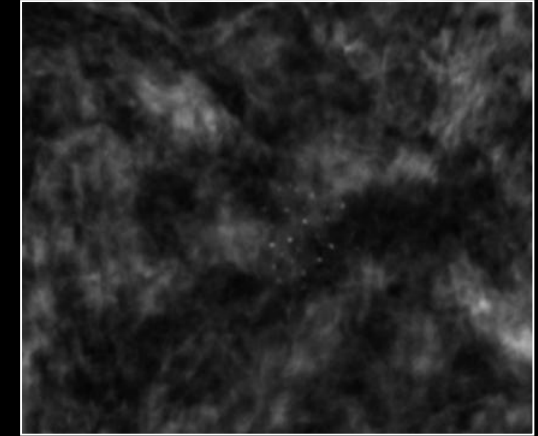
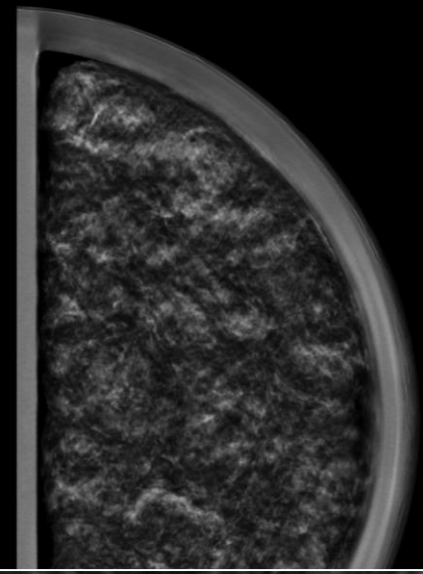
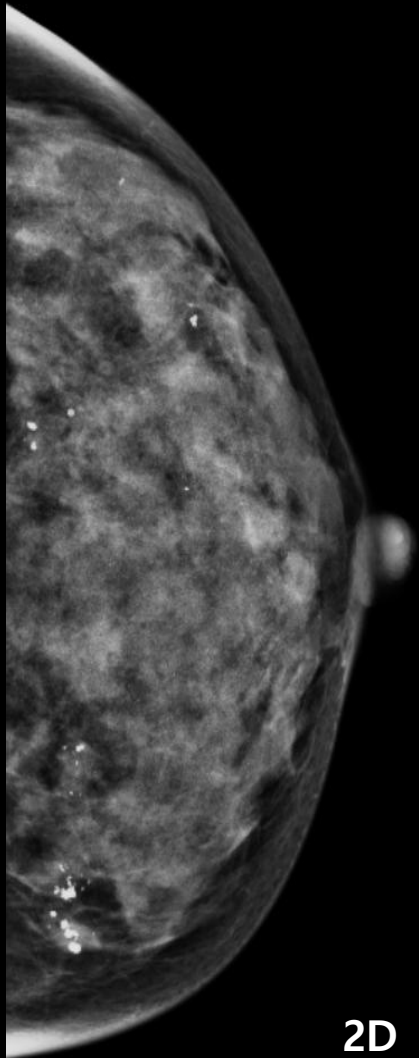
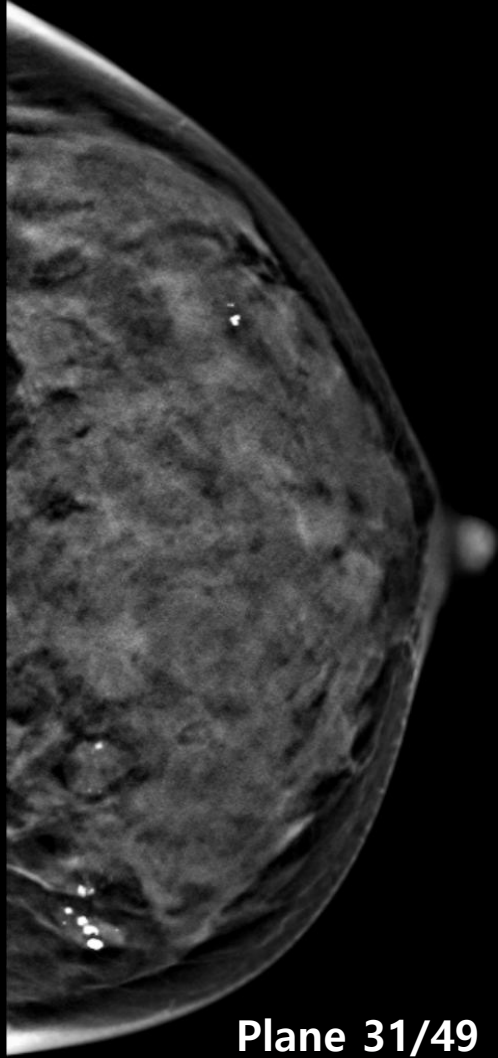


Image Quality

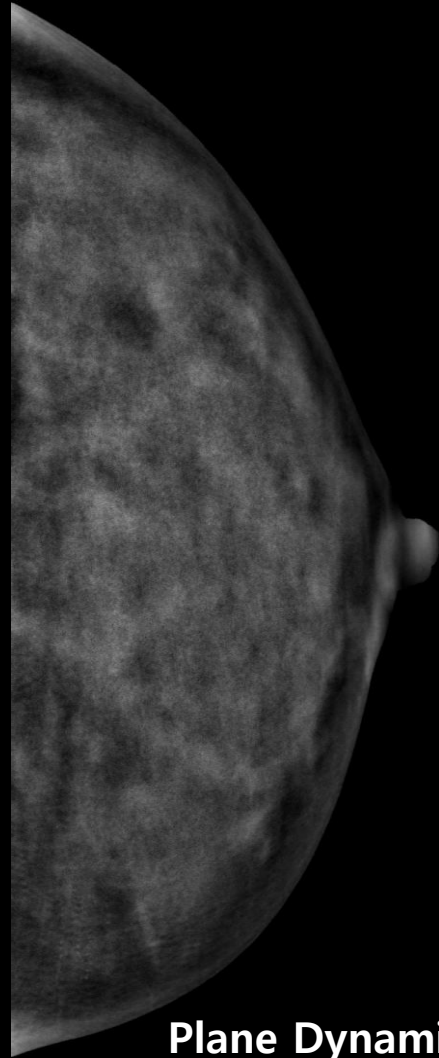
Clinical Image : Narrow CC View 2D / 3D



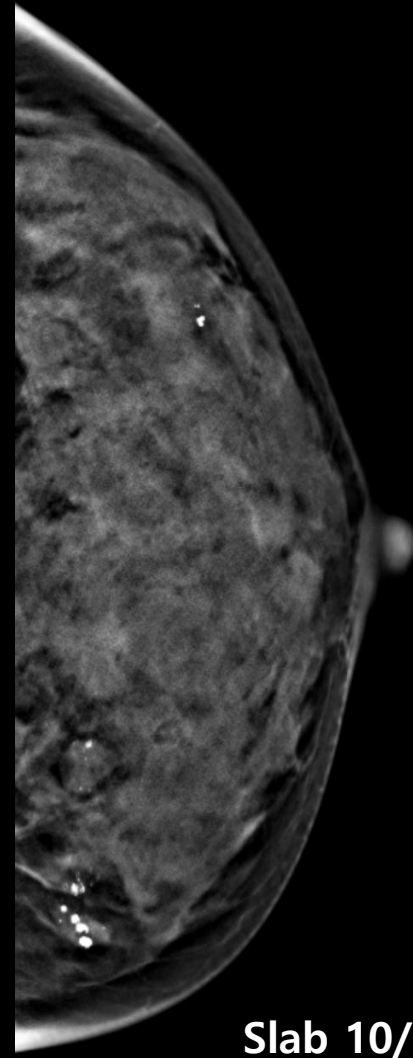
2D



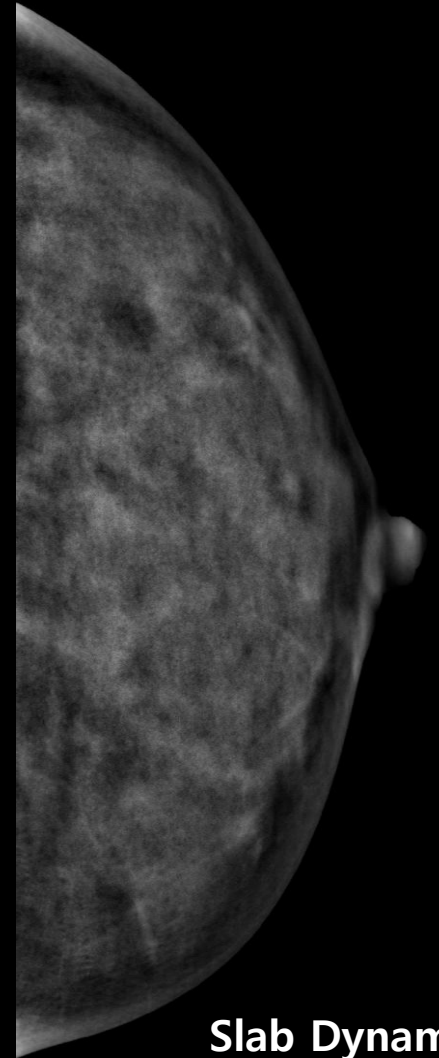
Plane 31/49



Plane Dynamic



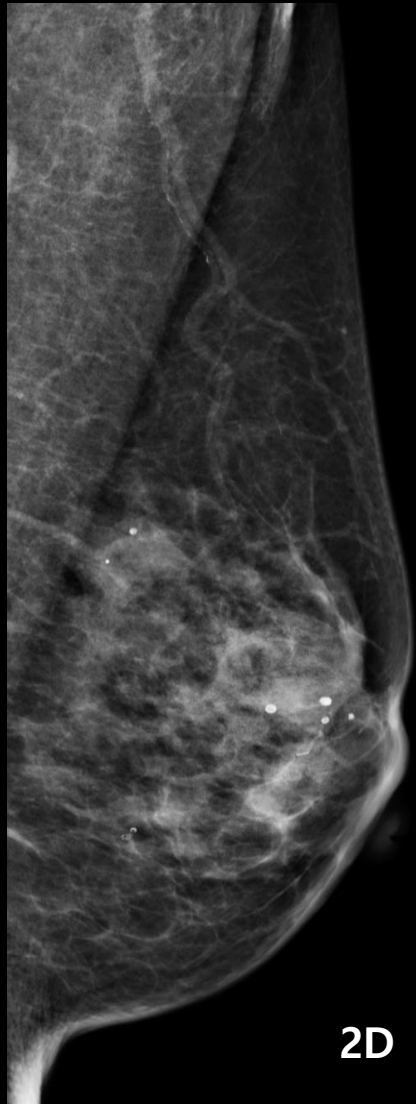
Slab 10/16



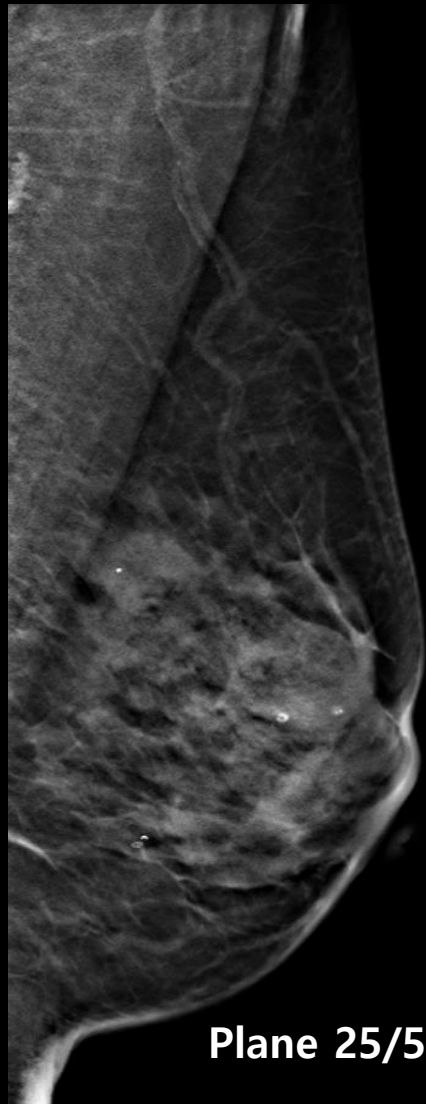
Slab Dynamic

Image Quality

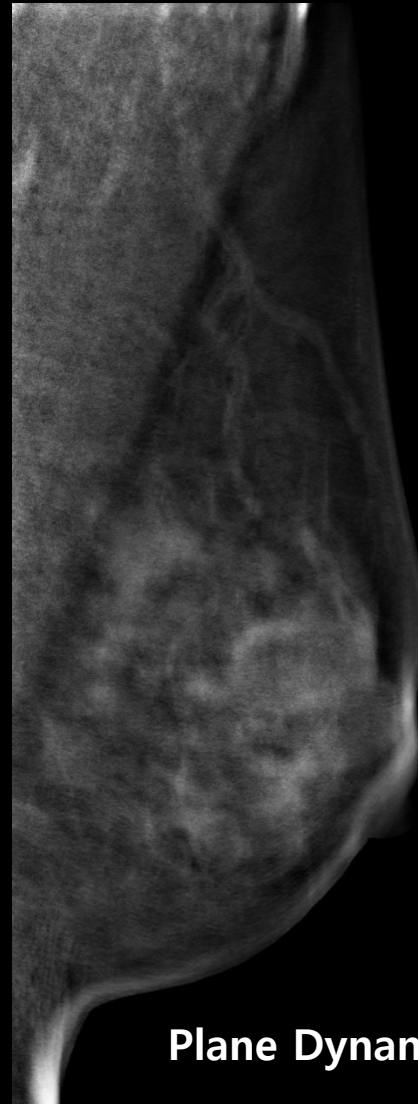
Clinical Image : Narrow MLO View 2D / 3D



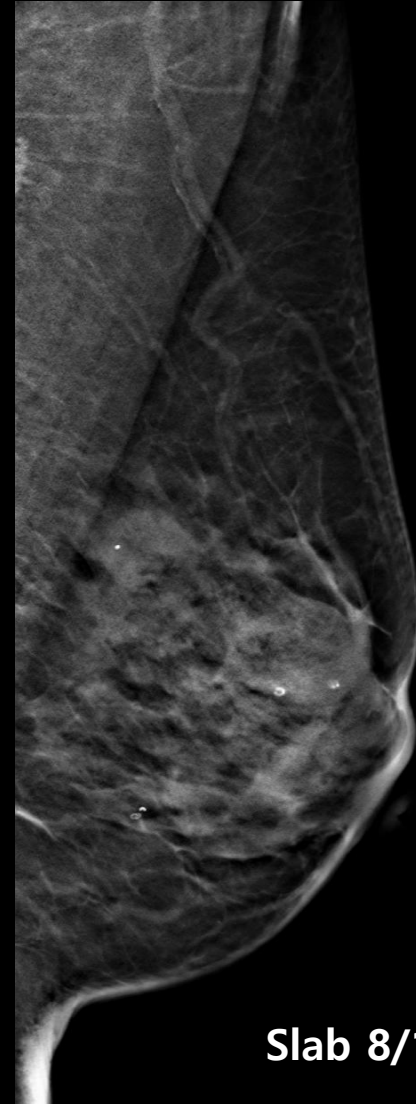
2D



Plane 25/51



Plane Dynamic



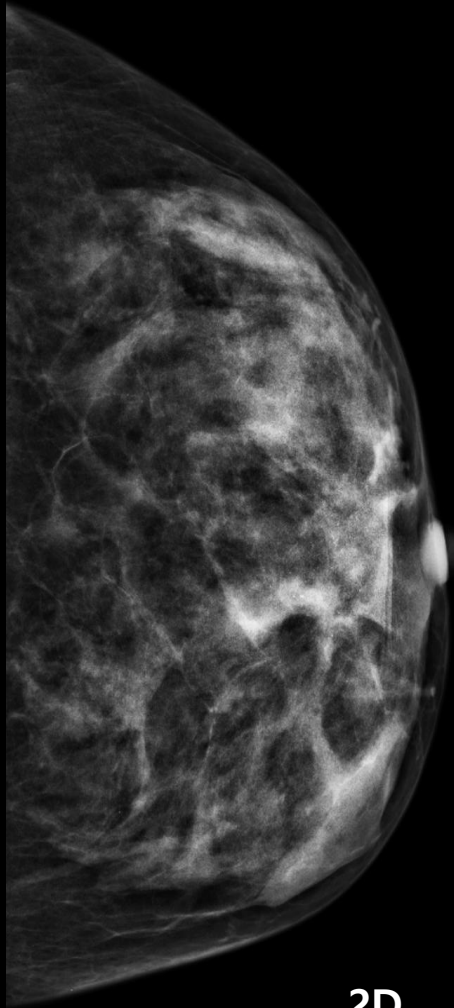
Slab 8/16



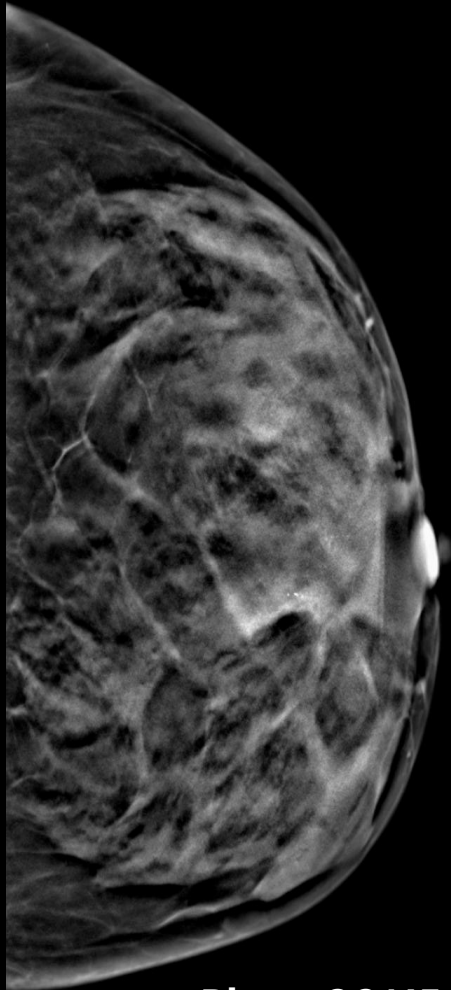
Slab Dynamic

Image Quality

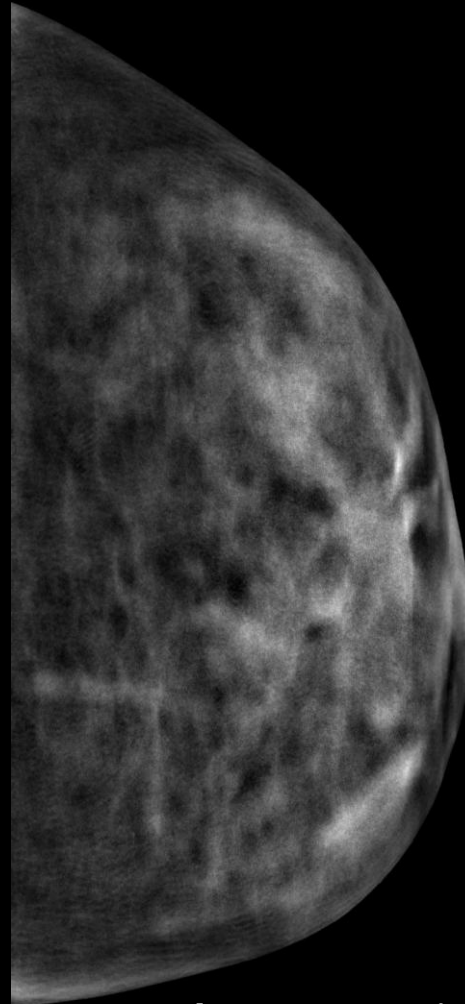
Clinical Image : Middle CC View 2D / 3D



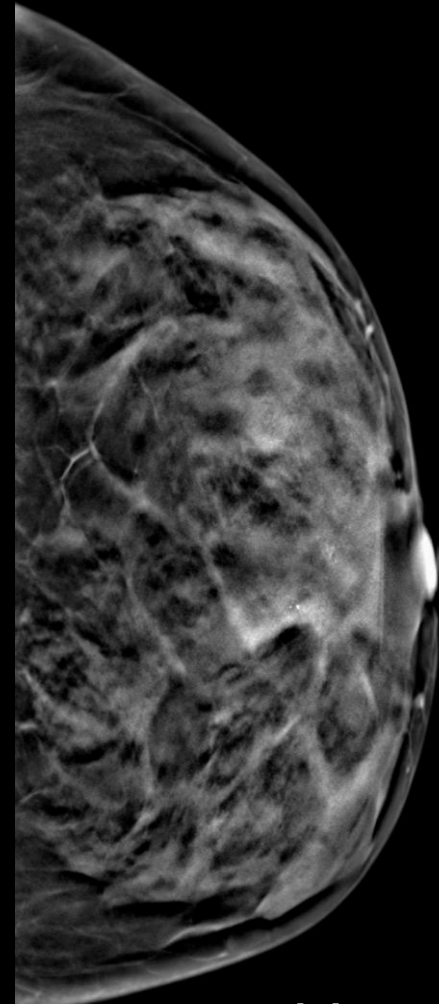
2D



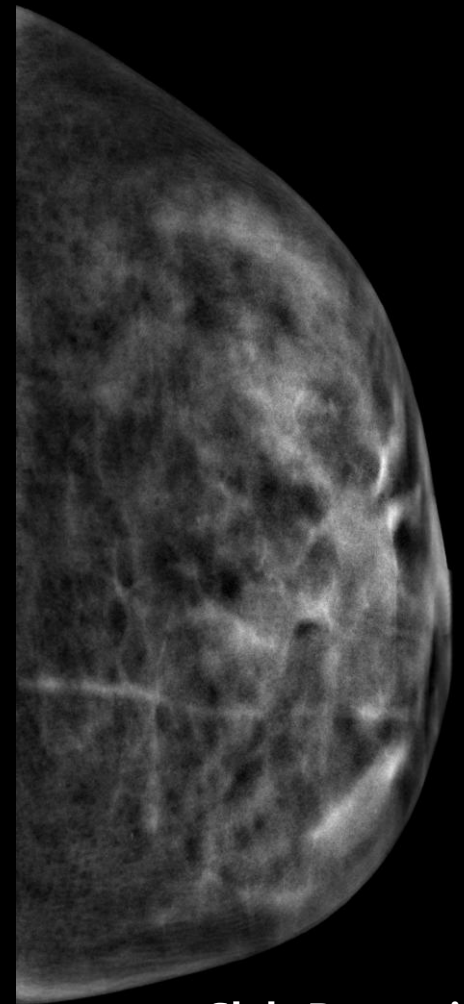
Plane 26/45



Plane Dynamic



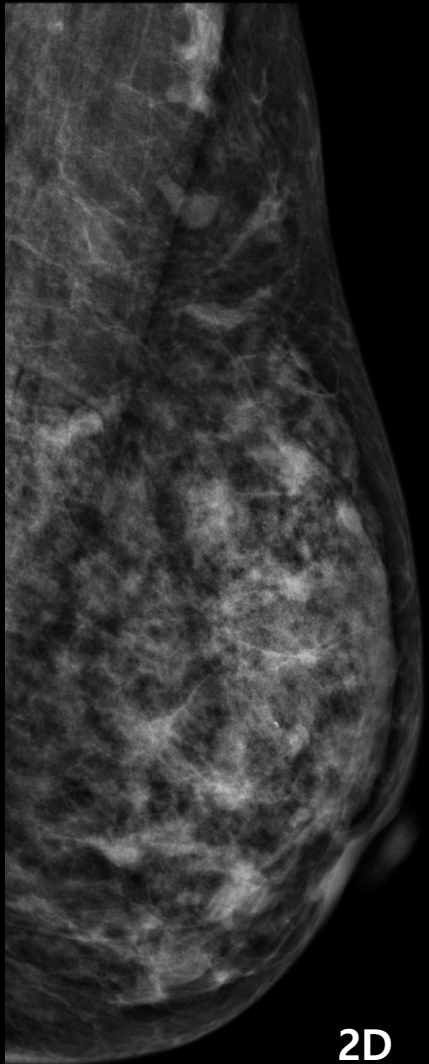
Slab 8/14



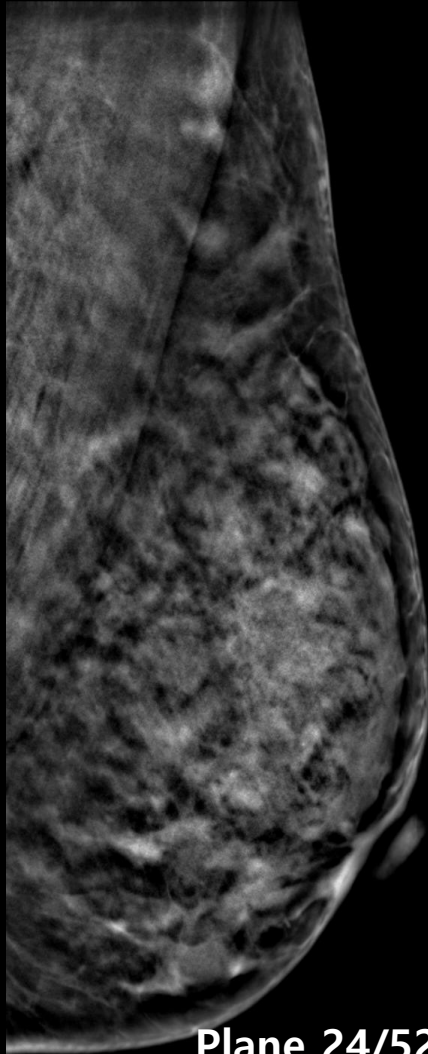
Slab Dynamic

Image Quality

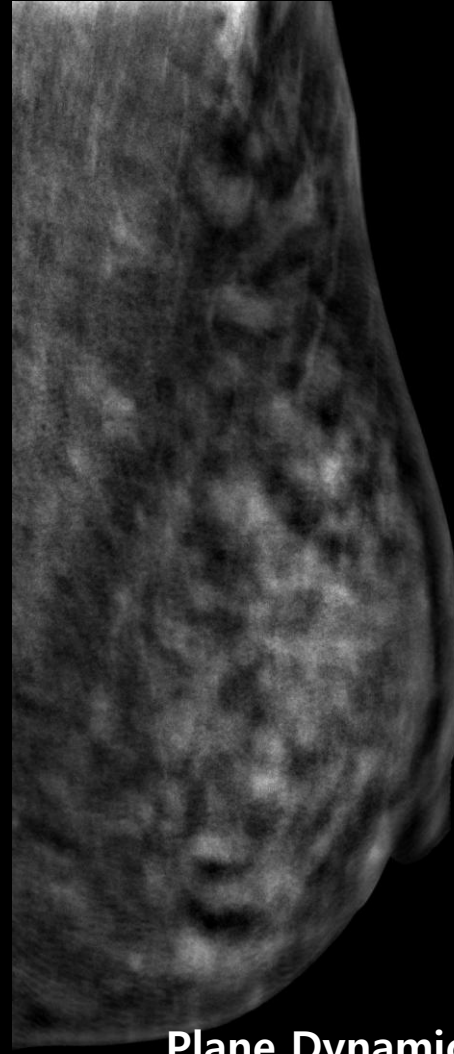
Clinical Image : Middle MLO View 2D / 3D



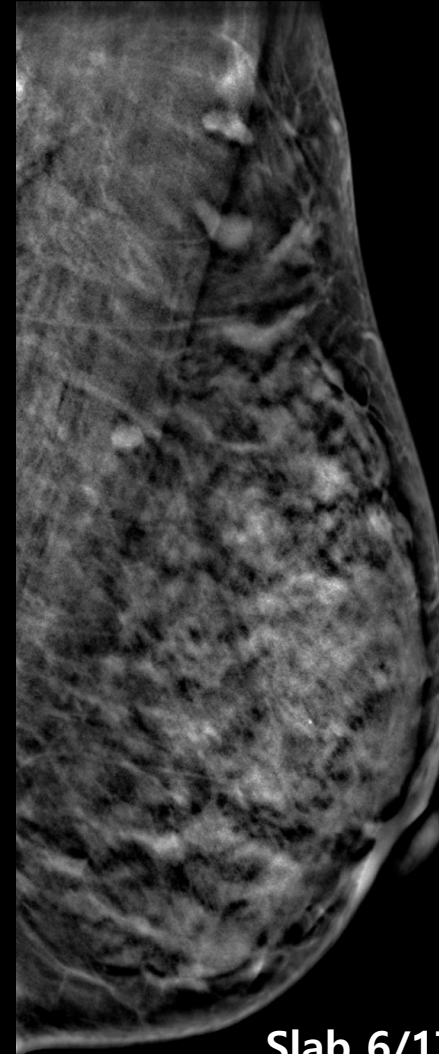
2D



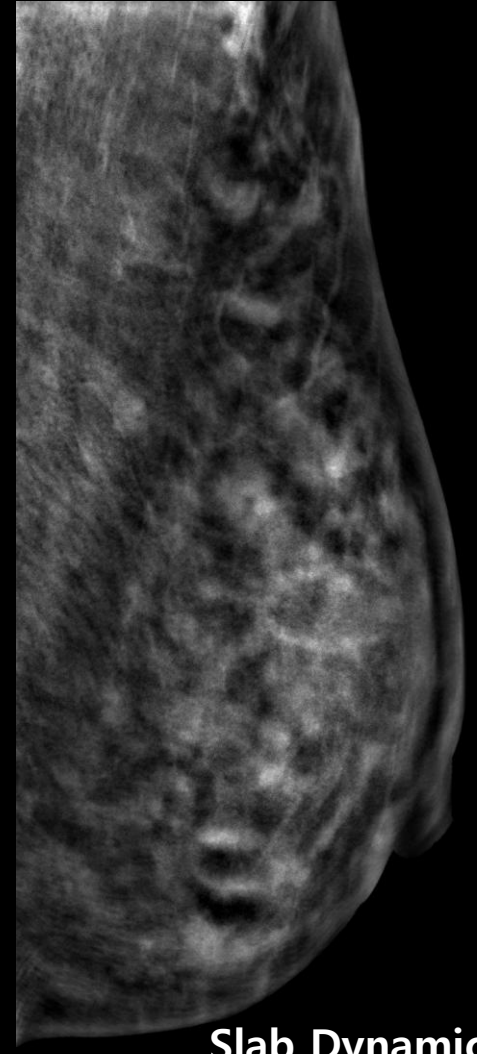
Plane 24/52



Plane Dynamic



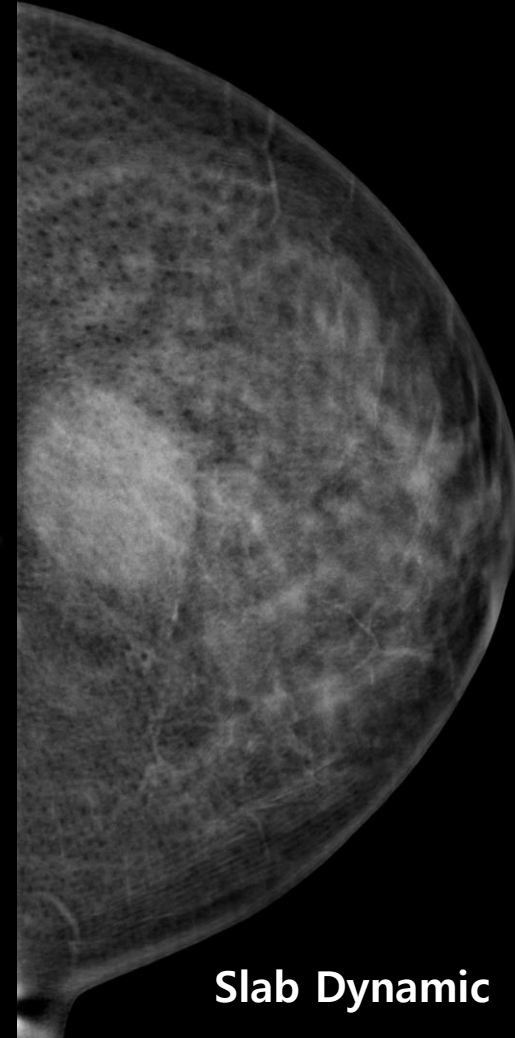
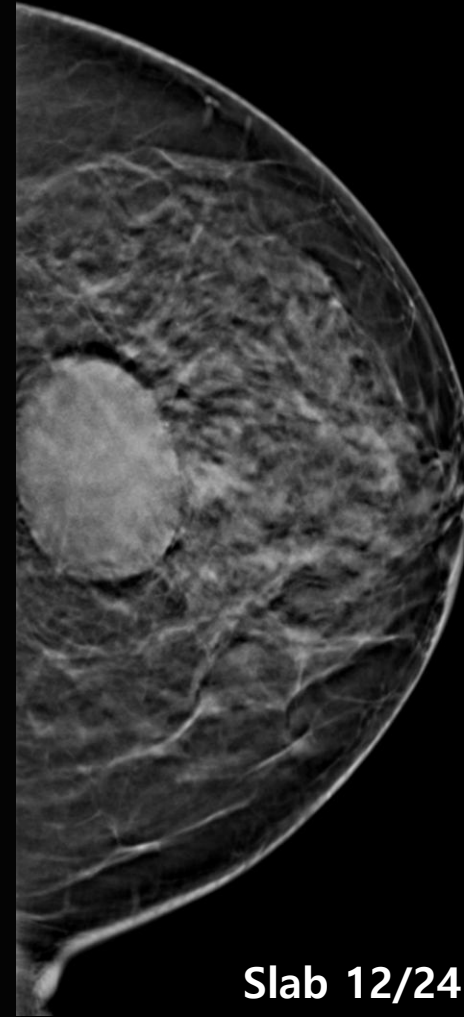
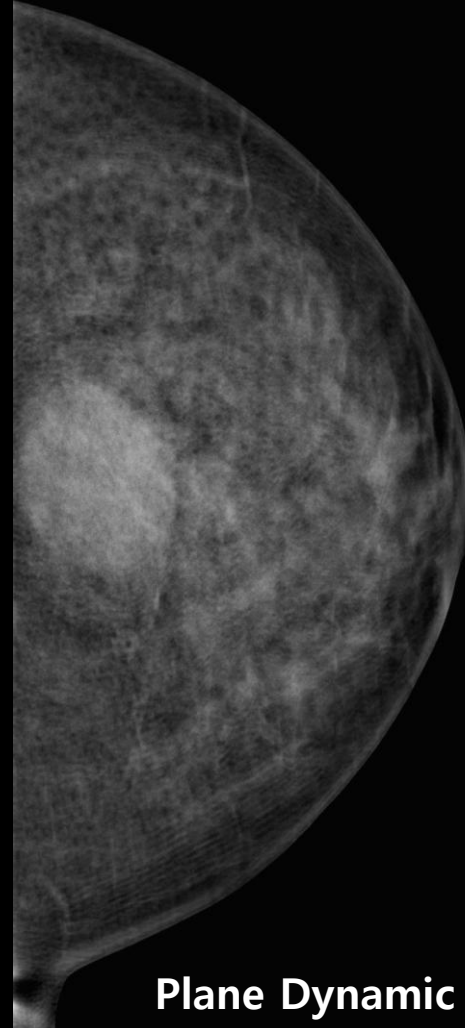
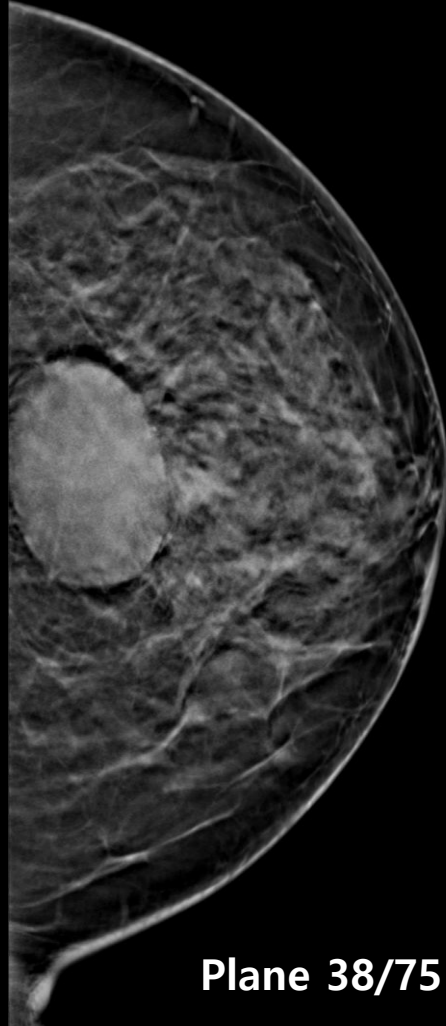
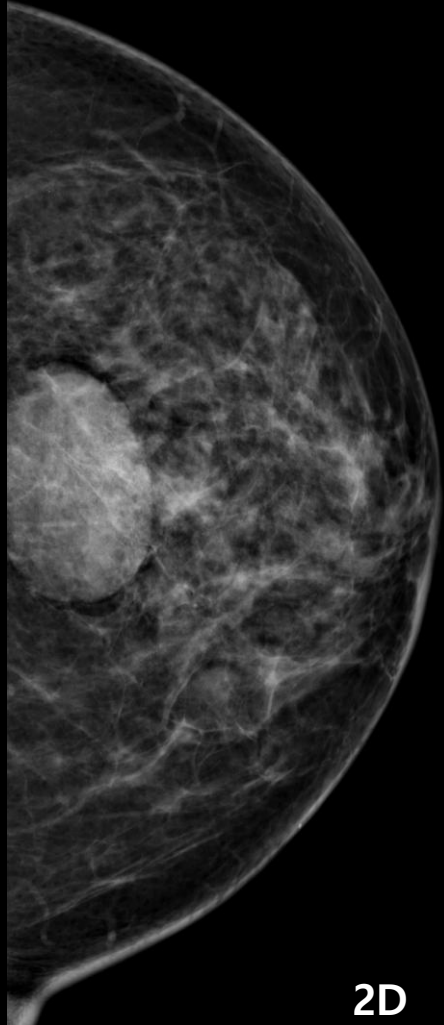
Slab 6/17



Slab Dynamic

Image Quality

Clinical Image : Cancer Case 2D / 3D



Maintained existing Design & UI Identity

- Same design and UI identity with RConsole2 for AIDIA
- Easier for existing AIDIA users to navigate

3D Viewer

- Rconsole2 provides 3D Viewer for instant image viewing

Large Thumbnail

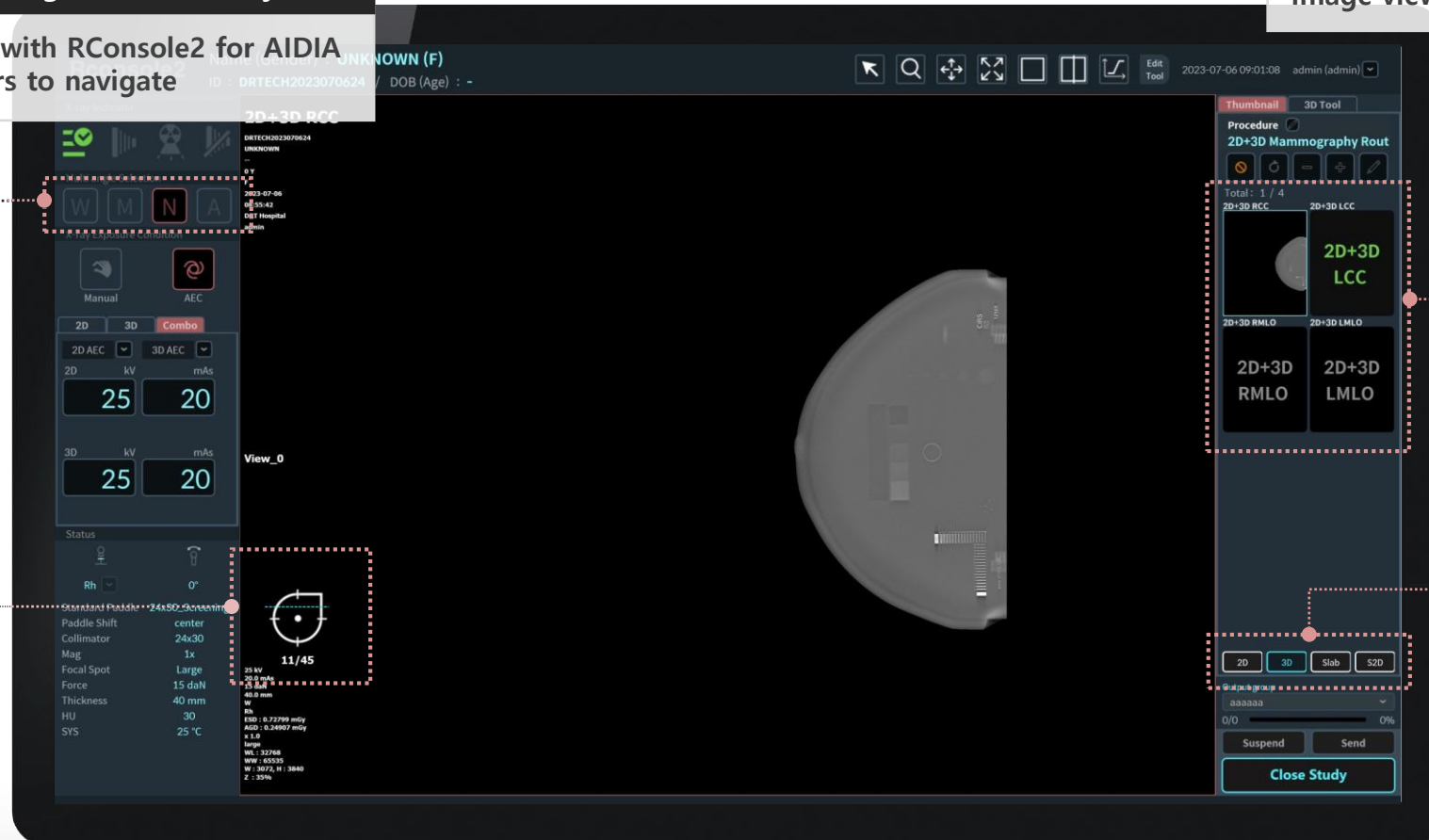
- Displays up to 8 images

3D Indicator

- Slice Indicator

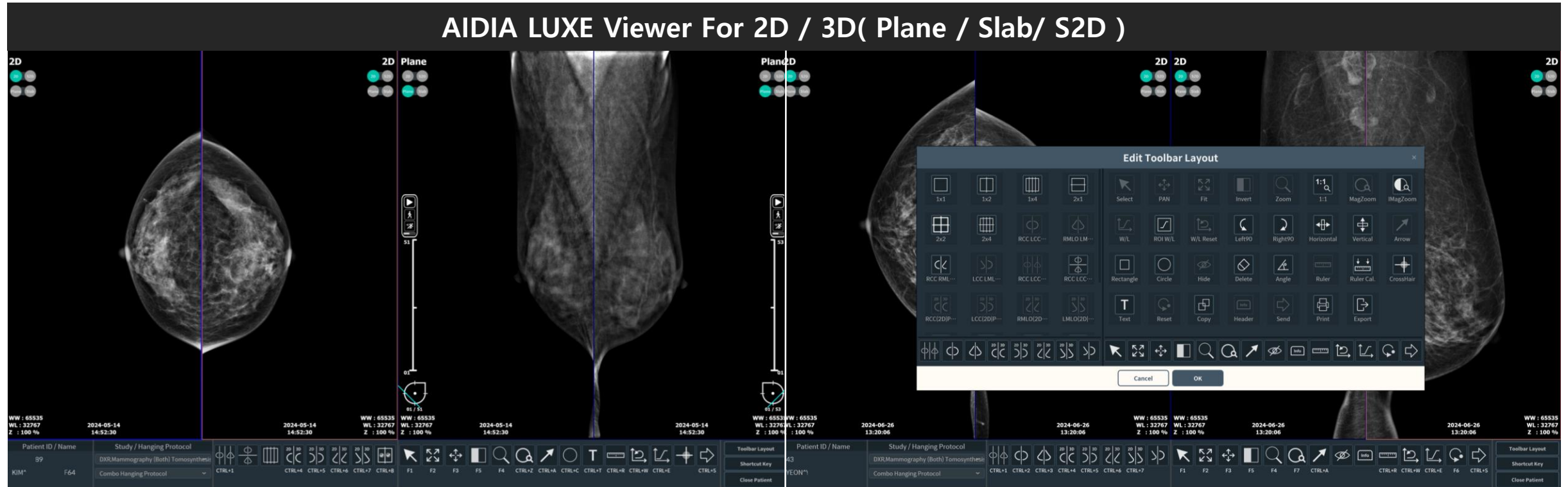
Acquisition Mode Indicator

- 2D / 3D / Slab / S2D acquisition mode indicator



AIDIA Viewer

Smart Workflow for Mammography Imaging



Discover streamlined efficiency and clarity in every workflow

AIDIA Viewer navigates 2D & 3D mammography images with ease, offering fast and precise DBT reading through Cine Mode and synchronized viewing for optimized diagnostic performance. Side-by-side comparison of 2D and DBT images, advanced 3D tools, and seamless integration streamline workflow and enhance diagnostic confidence in any imaging environment.

A single 32" monitor setup streamlines image manipulation, minimizes mouse movement, and saves space—making it easy to install even in compact space.

Convenient Tools & Layout

- Enhanced user convenience through a variety of tools
- User-defined hanging protocols enable personalized layouts for individual reading environments.

DICOM Compatibility & PACS Integration

- Fully supports DICOM-standard image loading, saving, and annotation for seamless interoperability within diverse medical imaging infrastructures.
- Supports DICOM 3.0 SCU/SCP
- Optimized image reading with support for
 - CC / MLO
 - 2D / 3D
 - Custom Layout
 - Hanging protocol

Space-saving Single Monitor

- 32" single monitor setup streamlines image manipulation and reduces mouse movement.
- Intuitive recognition via color-based user interface

Efficient Management of Large Data Sets

- Optimized data handling ensures rapid loading and smooth navigation of high-resolution images.
- Selective upload of necessary studies to PACS server enables effective use of storage resources.

AIDIA LUXE

Technical Specifications



	AIDIA LUXE (TD)	AIDIA LUXE (UD)
Type	2D/3D Tomosynthesis (AIDIA LUXE)	
Detector	RSM 2430TD (CsI : indirect) 76um	RSM 2430UD (a-Se : direct) 65um
Generator	8kW [Premium specification : High powered generator]	
Tube Motion	Step & Shoot / Continuous	
Tube	W (Tungsten) [Lower dose compared to Mo/Mo & enables high tube load capacity]	
Target Material	Rh/Ag [Dual Filter to optimize exposure conditions for various breast types]	
Collimation	Auto (Auto Paddle recognition)	
Display	Dual Display : C-arm / Gantry foot	
Control Button	Dual Control : C-arm / Gantry	

AIDIA LUXE

AIDIA TRUMETRIC Premium Biopsy [Option]

Stereotactic Biopsy

DRTECH
Strictly Confidential

Precision Targeting for Confident Biopsy

- 76µm high-resolution detector for clear microcalcification visualization
- Accurate 3D coordinate-based lesion localization
- Consistent lesion direction guidance for reliable targeting

Streamlined & Intuitive Workflow

- Direct lesion confirmation with simplified procedure steps
- Needle Tilt (10°) reduces needle shadow
- Lightweight module for quick and easy installation

Flexible Biopsy Approach

- Supports both 2D and 3D (DBT-based) biopsy
- Adaptable workflow for various clinical environments
- Ambidextrous touchpad for user convenience



AIDIA LUXE

Biopsy System Configuration

AIDIA TRUMETRIC by DRTECH

Imaging System +
Biopsy Guide System

3D Lesion Localization with Mammography
High-Precision Biopsy Needle Guidance
based on Lesion Coordinates

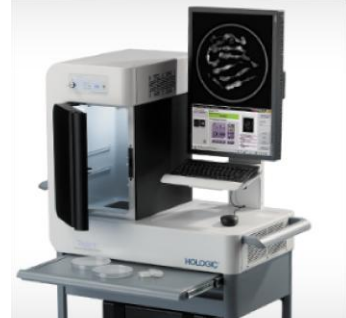


+

Accessory



Biopsy
Device



Specimen
Radiography



Biopsy Site
Marker

separate purchase required

Simple Installation & Procedure Preparation

Streamlined setup process for fast readiness

- A streamlined installation process enables **Rapid System Readiness** within existing clinical environments.
- Simplified preparation **Reduces Setup Time** and allows clinicians to focus on the procedure.
- Optimized system configuration supports **Smooth Transition from imaging to biopsy**.

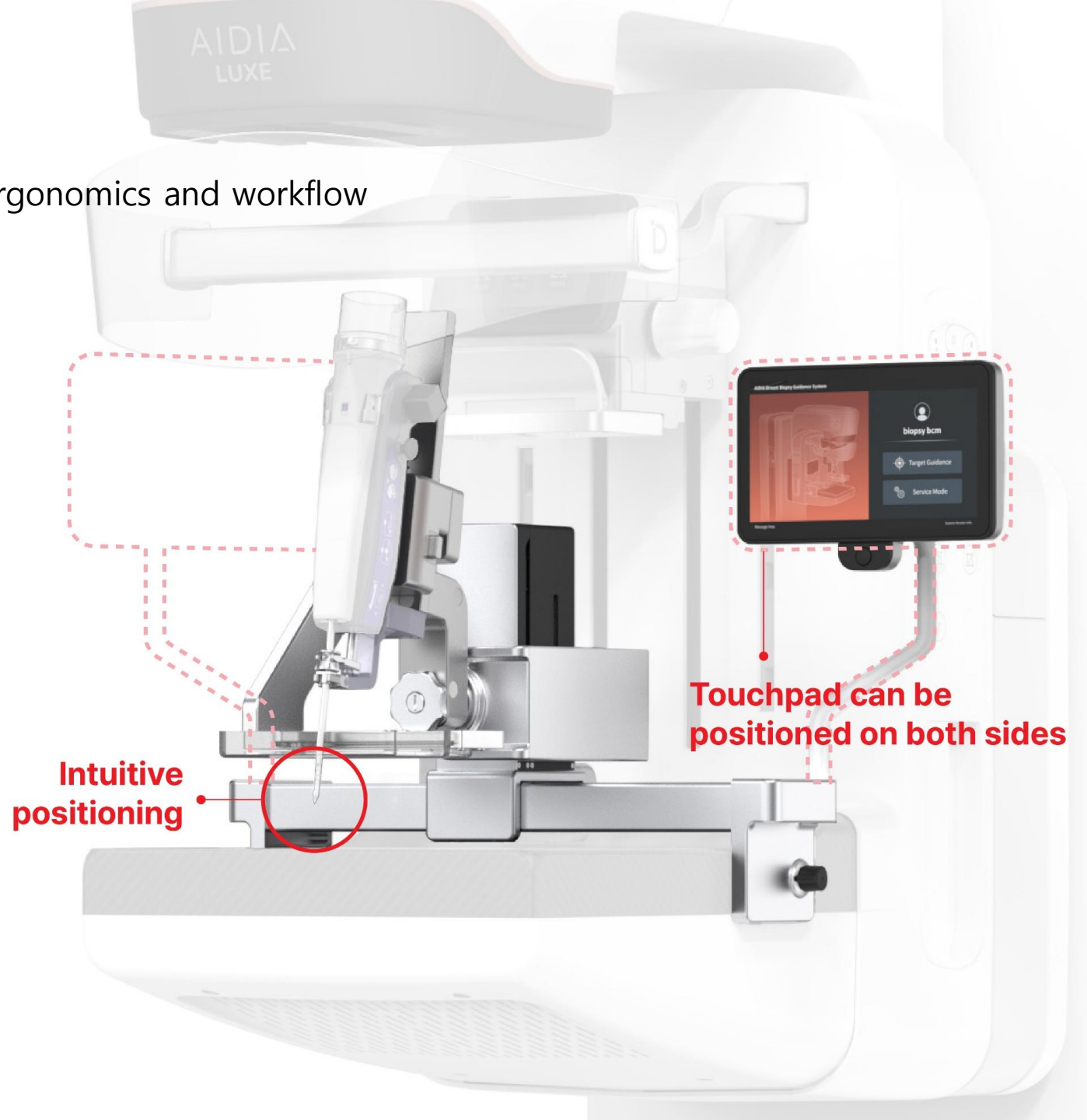


AIDIA LUXE

Enhanced User Convenience

Comfortable, spacious environment with improved ergonomics and workflow

- **Open Access** and reduced repetitive motion
- **Intuitive Reach and Smooth Handling** for precise operation
- **Ambidextrous Touchpad Placement** for flexible, user-preferred workflows



Intuitive Visualization

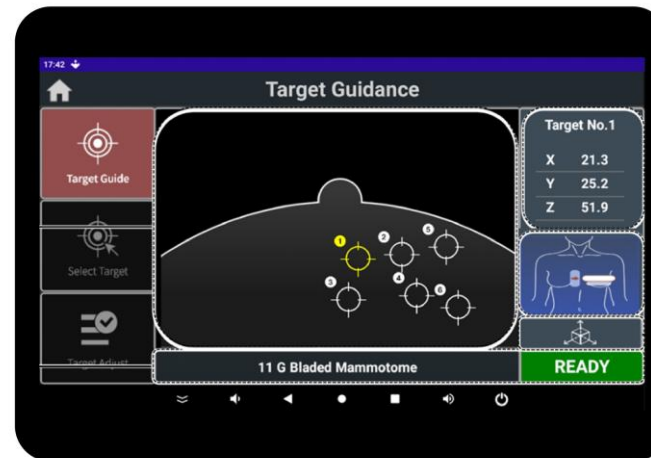
Direct lesion display with simplified procedure steps and operation

- **Clear Lesion Visualization and Consistent Orientation** during biopsy procedures.
- **Simplified On-screen Guidance** reduces procedural complexity.
- **Intuitive, Step-by-Step Display** for confident workflow



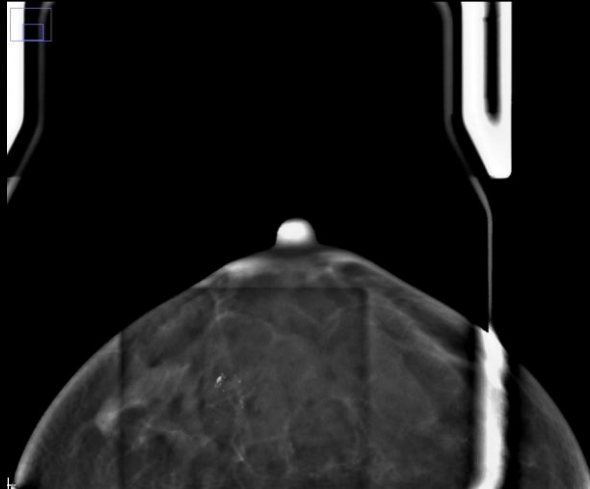
1 **Intuitive target visualization and selection UI**

2 **Easy fine adjustment with button-based control**



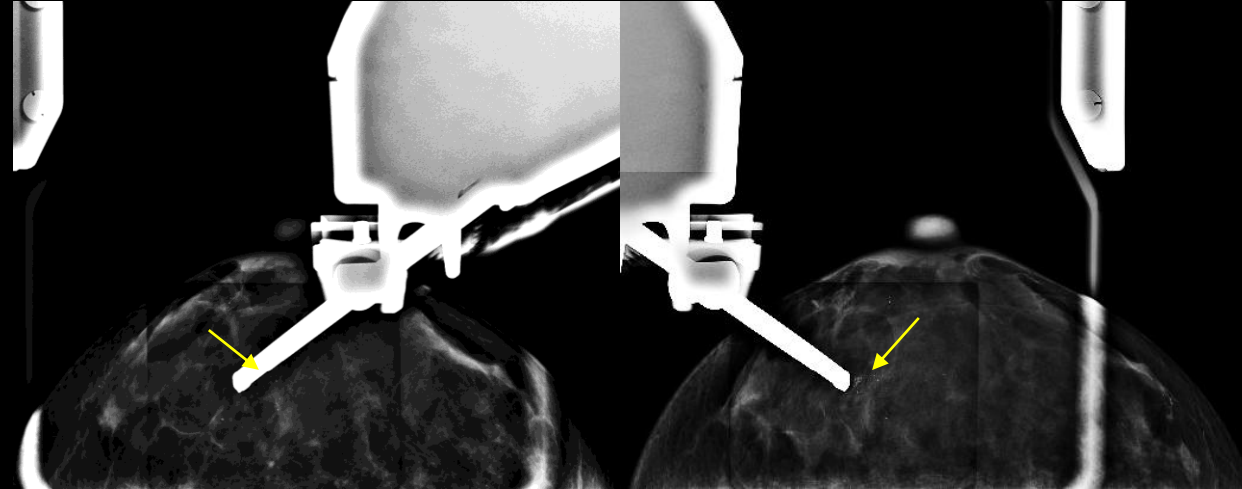
Clinical Case – STX Biopsy Workflow

01 Tomo Scout

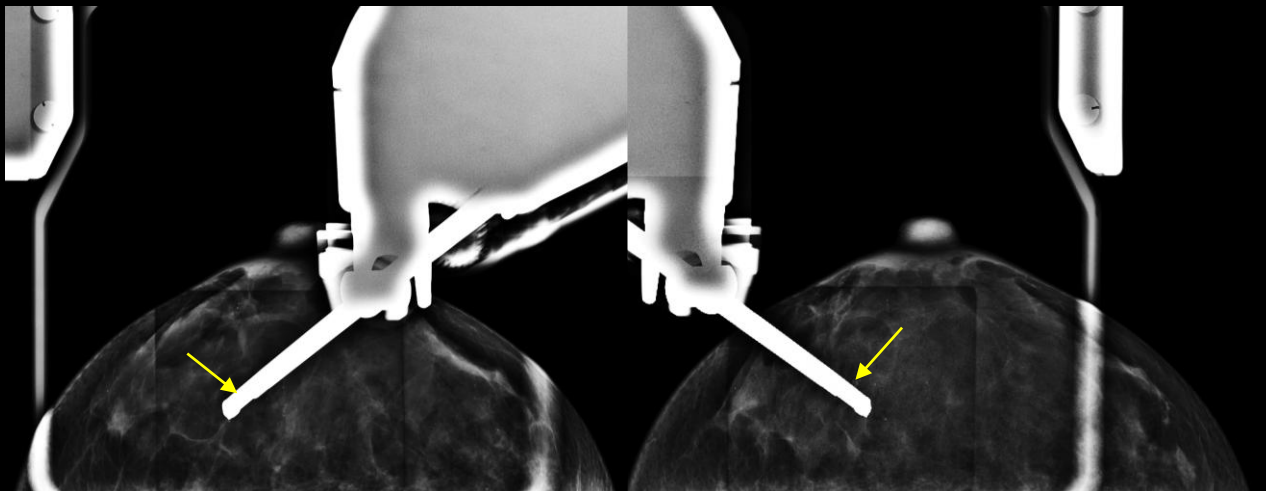


Lesion Location (Slice 36/47)

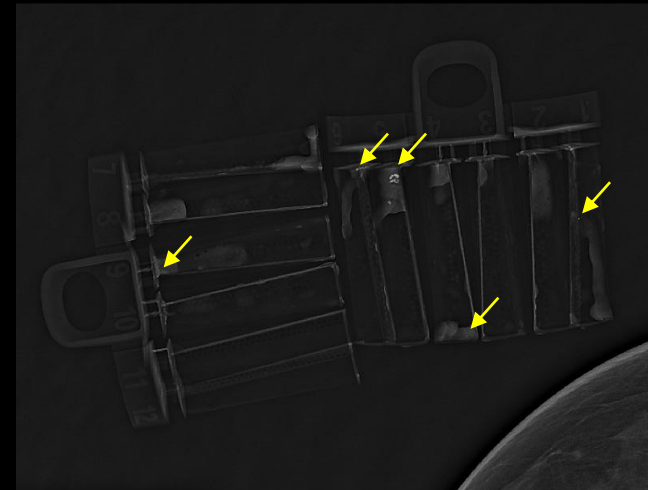
02 Pre-fire Pair



03 Post-fire Pair

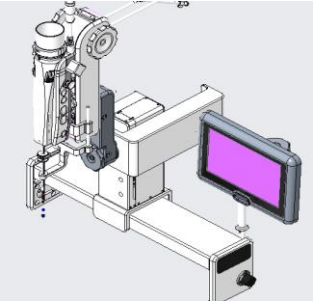


04 Specimen

Specimen Confirmation
During Positioning

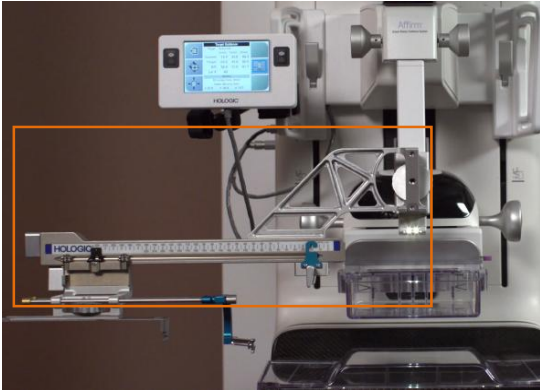
AIDIALUXE

Module Installation

	DRTECH	Hologic	GE
Figure			
			
Module Installation	Install on the bucky	Install on the gantry	Replace the entire Bucky
	Easy module installation (< 8kg)		Heavy and inconvenient when replacing the bucky (11kg)

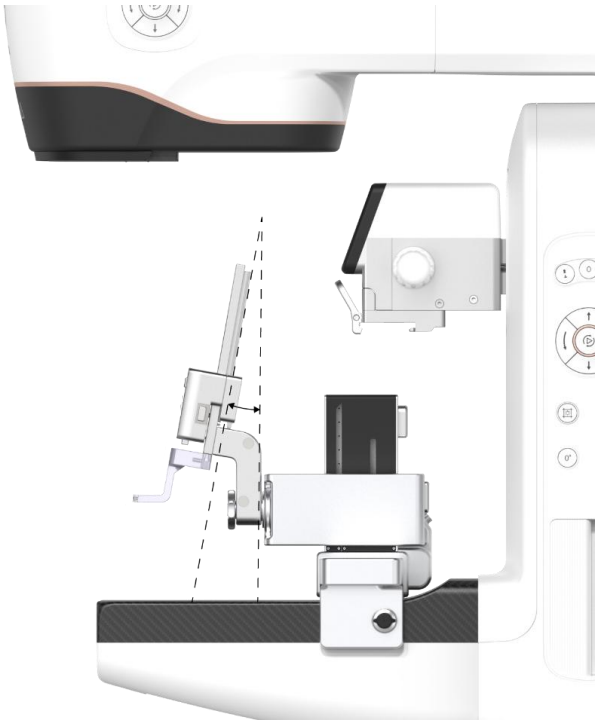
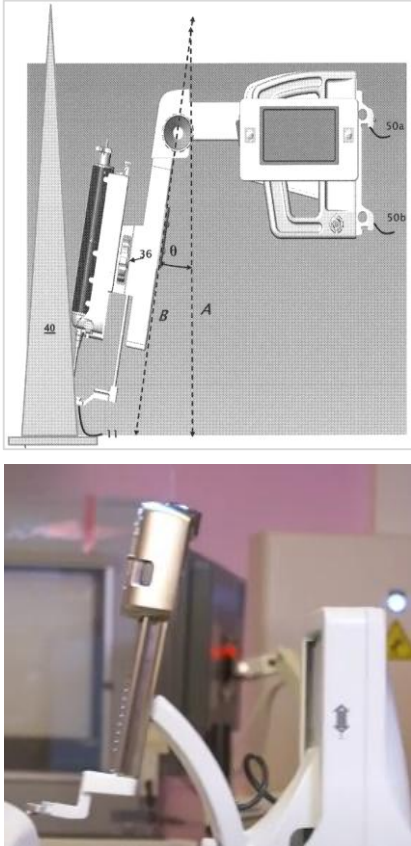
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Lateral Approach

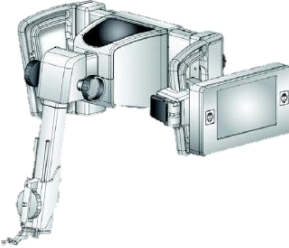
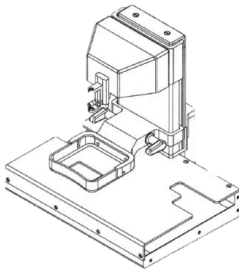
	DRTECH	Hologic	GE
Figure			
			
Lateral Approach	Rotation around axis	Extra adapter for lateral	Rotation around axis
	Rotate and fix without an adapter	Inconvenient due to use of an additional adapter	

AIDIALUXE

Needle Tilt

	DRTECH	Hologic, GE	SIEMENS (Turon)
Figure			
Needle Tilt	Apply needle tilt	Apply needle tilt	N/A
	Minimizes degradation of image quality and accuracy from needle shadow		Needle shadow appears during mammography

AIDIA TRUMETRIC Biopsy Guide System Specification

	DRTECH	Hologic Dimension	GE Pristina	SIEMENS (Turon)	UIH
Figure					
Weight : Biopsy Guide (kg)	< 6.5	6.8	11	5.4	Not Publicly Disclosed
Weight : Biopsy View (kg)	< 0.9	1.4		< 1	
Dimensions (mm, H x W x D)	450 x 416 x 338	371 x 378 x 356	470 x 510 x 510	212 x 132 x 240	Not Publicly Disclosed
Accuracy (mm)	±1	±1	±1 at QAS	±0.5 (x,y)	±1
			±2 at Biopsy	±0.8 (z)	
Biopsy Volume (cm)	(V) 5 x 4 x 10 (Range: 0~10)	(V_STD) 5 x 5 x 10 (V_Wide) 6 x 7 x 10	(V) 5 x 4.3 x 10	(V) 5 x 4 x 10	Not Publicly Disclosed
	(L) 3 x 3.5 x 4	(L) Not Publicly Disclosed	(L) 3 x 3.5 x 4	(L) 5 x 4 x 6	
Needle Guide Tilt (Angle°)	Yes (10°)	Yes (10°)	Yes (10°)	No (0°)	No (0°)
Lateral Approach	Yes (Integrated)	Yes but Adapter needed	Yes (Integrated)	Yes but Adapter needed	Yes but Adapter needed
Image Area (cm)	18 x 24	18 x 24	18 x 24	8 x 24	Not Publicly Disclosed
Breast Positioning Area (cm)	24 x 29	24 x 29	24 x 29	14 x 29	Not Publicly Disclosed
Module Installation	Add Bucky	Gantry locking	Bucky Change	Add bucky	Bucky Change

Compatible Biopsy Device & Needle

Needle or device	Figure	Needles recommended for vertical approach	Needles recommended for horizontal approach	Recommendations for needle guide dimensions
Mammotome Revolve® Devicor®		90 mm and 120 mm	120 mm and 150 mm	8 G and 10 G
EnCor Enspire® BD®		113 mm	113 mm and 138 mm	7 G and 10 G
Eviva® Hologic®		90 mm, 100 mm and 126 mm	100 mm and 126 mm	9 G
Brevera Hologic®		130 mm	130 mm	9G
Bexcore ST MEDICAL PARK		140 mm	140 mm	10G



AIDIA LUXE

2D / 3D



AIDIA NEX

2D



AIDIA VOLVE

2D

AIDIA

Premium Digital Mammography System

