

HM70 EVO

Quick Manual



Control Panel

SAMSUNG



1	Power	12	Depth	23	Measurement
2	Parameter Adjustment	13	Focus	24	Change Key
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4	Patient Page	15	Sonoview - Image Review	26	Caliper
5	Probe/Preset	16	Report page	27	Set / Exit
6	End Exam	17	Mode Change	28	Color Mode
7	3D/4D Mode	18	Menu	29	2D Mode/ Gain
8	CW Mode	19	Body Marker/ Angle	30	Quick Scan
9	M - Mode	20	User Key	31	Dual Mode
10	PW Mode	21	Text	32	Freeze
11	PD Mode	22	Indicator	33	Save



- 1 Application
- 2 Quick Preset
- 3 Patient Information
- 4 Preset / Probe / Depth / Frame Rate
- 5 Probe Marker
- 6 Image Information
- 7 Image Processing Information
- 8 FreeAngle Plane
- 9 Thumbnail view
- 10 Menu
- 11 Parameters
- 12 Trackball Action
- 13 Key Map
- 14 System Status (Battery, Storage, etc.)

Patient Registration

SAMSUNG

1 Patient Information registration

Patient ID: SAMSUNG123 ✓ Last Name: KIM First Name: JUN Middle Name: H

Date of Birth(Age): 1990-11-11(30) Gender: Female

Indication: [Dropdown]

2 Study Information

Application: OB

LMP: 2021-01-01 DOC: [Field] Ovulation Date: YYYY-MM-DD

EDD(LMP): 2021-10-08 GA(LMP): 10 w 3 d Day of Cycle: [Field]

Fetuses No.: 1 Gravida: [Field] Para: [Field] Aborta: [Field] Ectopic: [Field]

Description: [Field]

Accession Number: [Field]

Diag. Physician: [Dropdown]

Ref. Physician: [Dropdown]

Operator: USR [Dropdown]

Selected Destination(s): [Field]

Group1 Set

Exam List

- 1** Patient Information registration
- Patient ID
 - Patient Name (Last/First/Middle)
 - Date of Birth
 - Gender

- 2** Study Information
- Select an Application
 - OB (LMP/DOC/EDD/GA, etc.)
 - Cardiac (Height/Weight/BSA)
 - Vascular (Systole/Diastole mmHg)

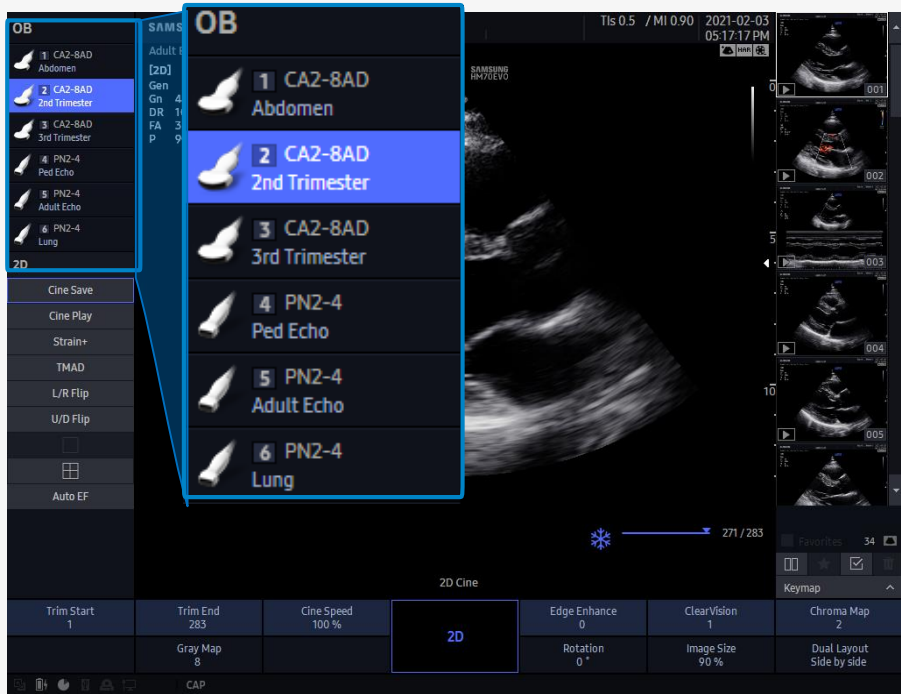


Probe / Preset Selection

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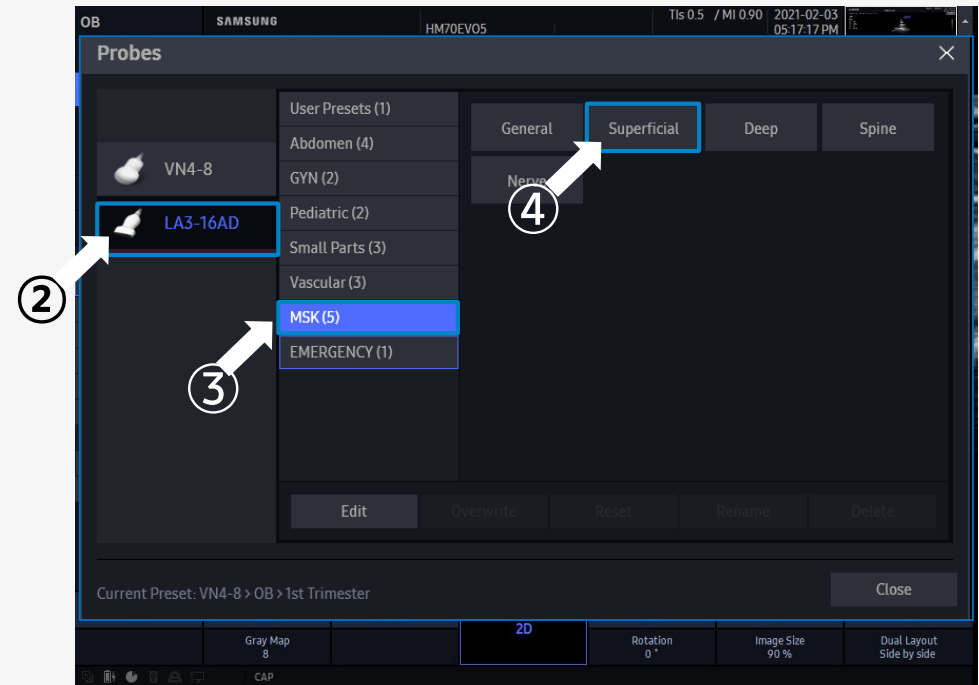
- Quick Preset

- Press a corresponding key [1 - 6] to change a preset



- Probe/Application/Preset Selection

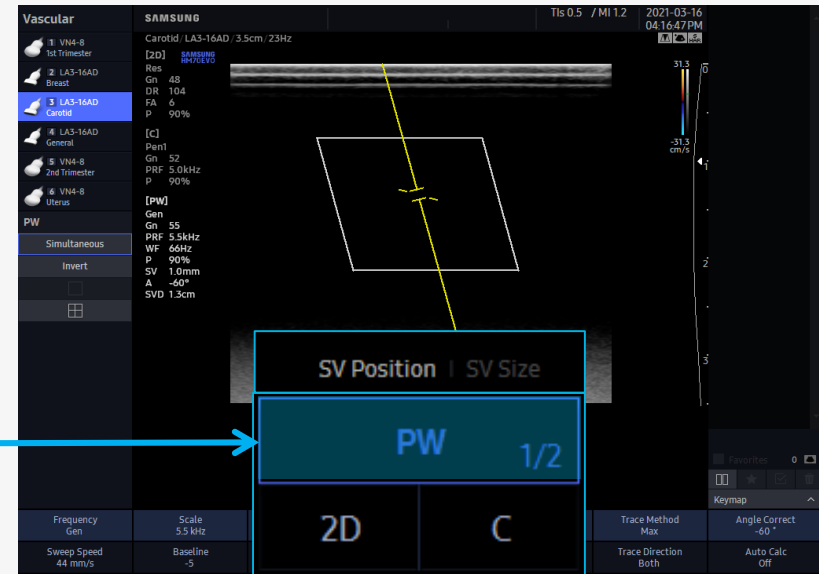
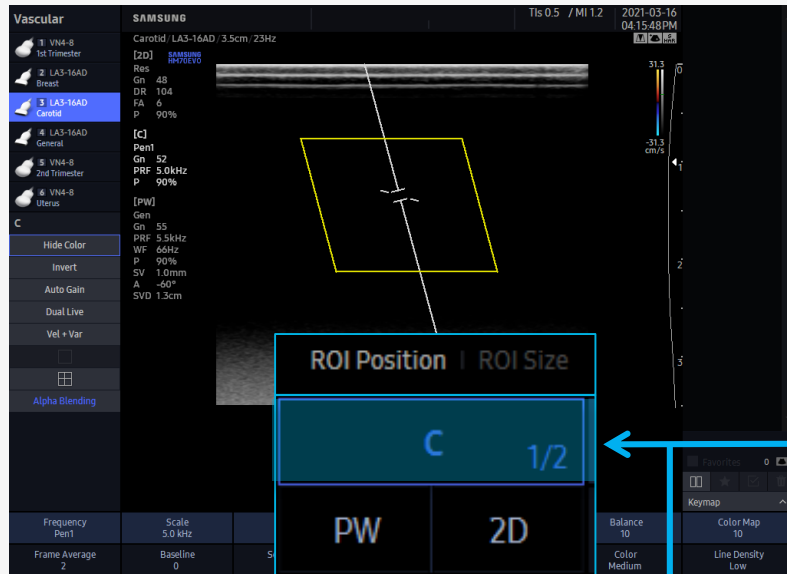
- Press [Probe] button to choose more Probe/Preset



Mode Change : B/C/D Mode

SAMSUNG

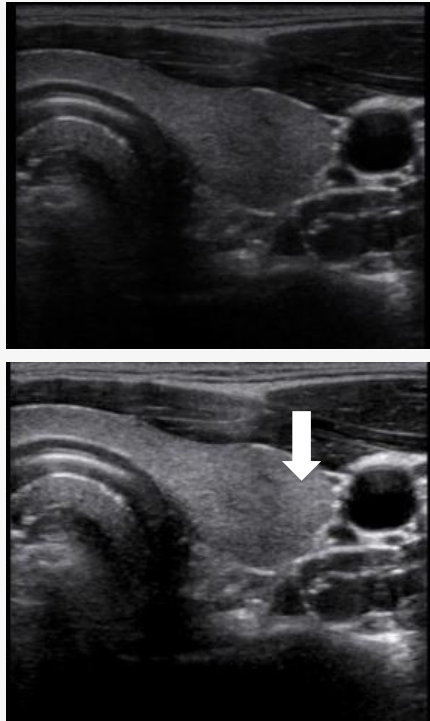
- You can adjust the parameters of each B/C/D Mode by pressing [Mode Change] button
- C Mode: Color Box Adjustment (Position / Size)
- PW Mode: Sample Volume Adjustment (Position / Size)



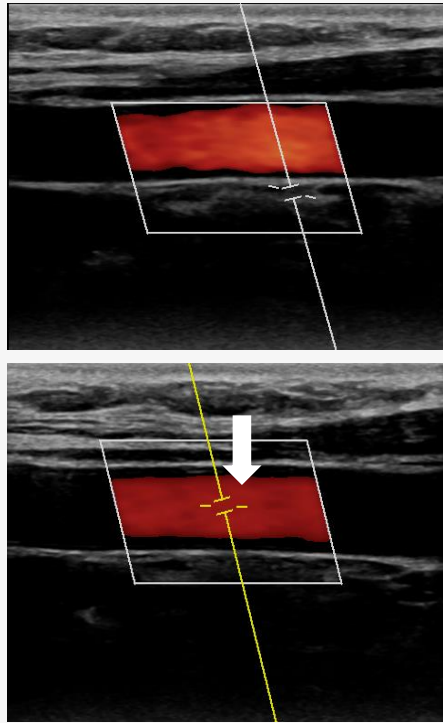
Auto Image Setting

SAMSUNG

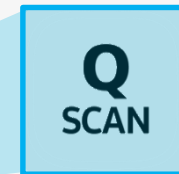
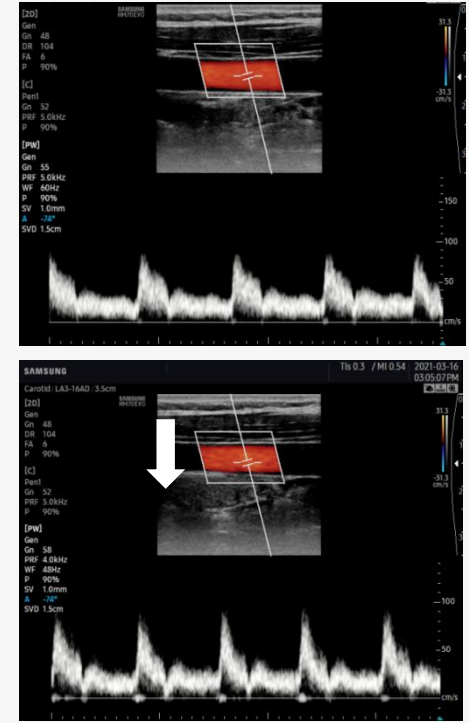
- B-Mode : Auto Gain



- C/D Mode : Color ROI & SV



- PW Update Mode : Base line, Scale

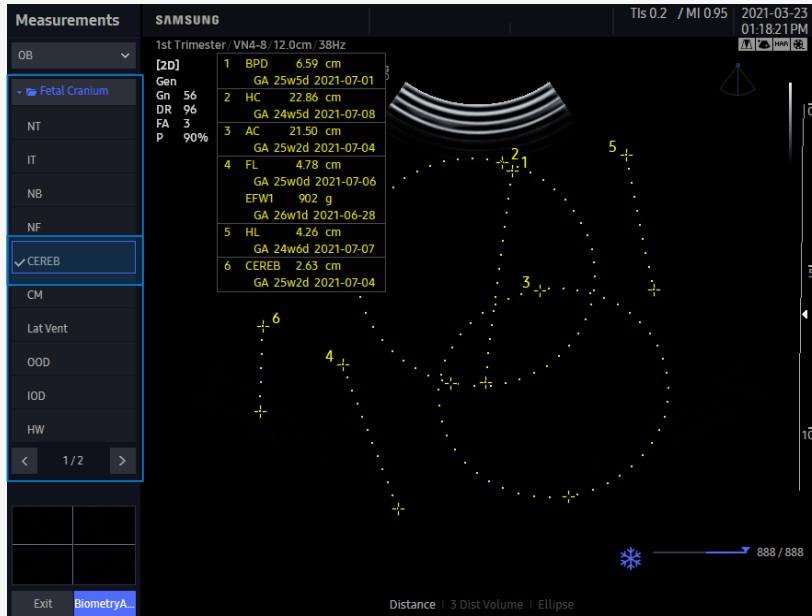


Measure / Report

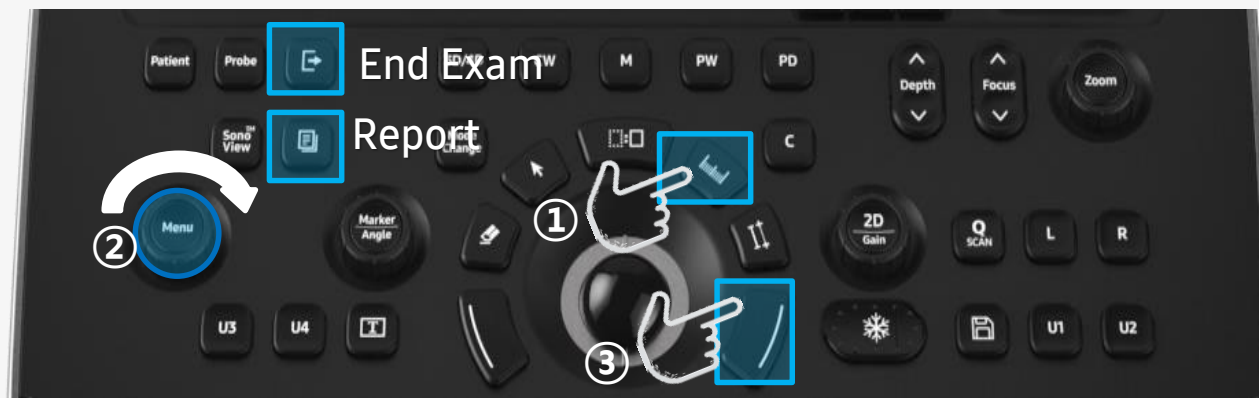
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- ① Press the Measure button
- ② Rotate Menu button to select the item and Click
- ③ Press the Set button to start and end a measure

Report Page



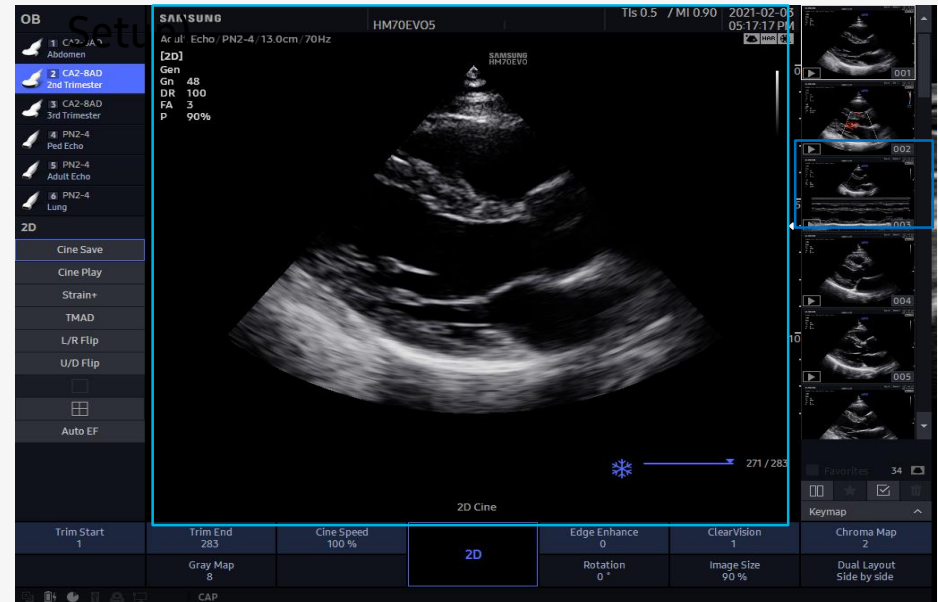
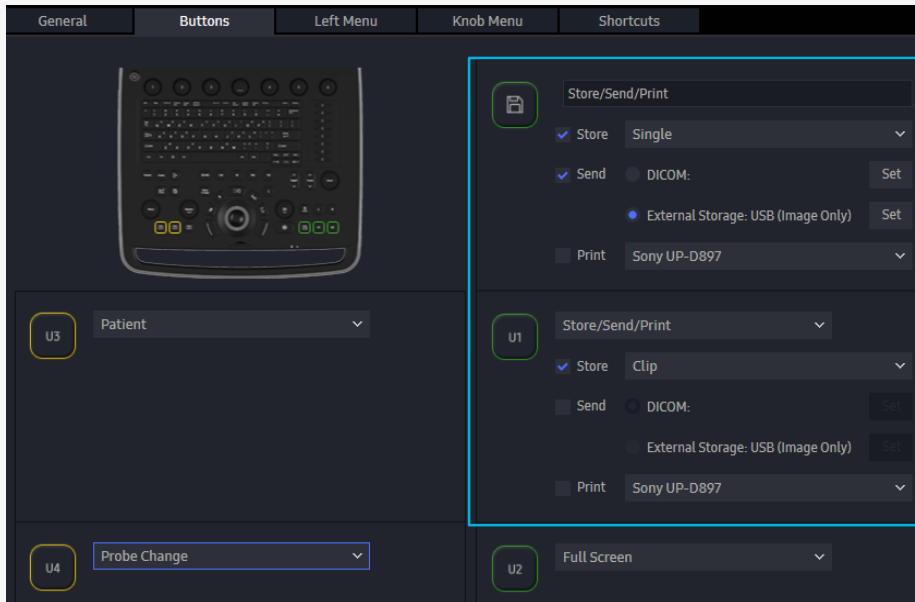
ID	20210323-011947PM	Name						
Date of Birth(Age)		Gender						
Exam Date	2021-03-23							
Indication								
Diag. Physician	Ref. Physician	Operator						
OB								
LMP	GA(LMP)	EDD(LMP)	Gravida	Para				
Composite GA	Average	GA(AUA)	25w1d	EDD(AUA)	2021-07-05	Ectopic	Aborta	
EFW1	HADLOCK1	AC,FL	902 g ±139 g	(21b 0oz ±5oz)	26w1d (25w0d-27w2d)	WILLIAMS		
Fetal Biometry								
		m1	m2	m3	GA			
BPD	6.59	6.59			cm	Last	25w5d (24w0d-27w2d)	ASUM
FL	4.78	4.78			cm	Last	25w0d (23w0d-27w0d)	ASUM
AC	21.50	21.50			cm	Last	25w2d (23w5d-26w6d)	ASUM
HC	22.86	22.86			cm	Last	24w5d (22w5d-26w5d)	ASUM
Fetal Long Bones								
		m1	m2	m3	GA			
HL	4.26	4.26			cm	Last	24w6d (22w6d-26w6d)	ASUM
Fetal Cranium								
		m1	m2	m3	GA			
CEREB	2.63	2.63			cm	Last	25w2d (23w1d-27w5d)	CHITTY
2D Calculations								
FL/AC	22.2	%	(20% - 24%)					
FL/BPD	72.5	%	(71% - 87%)					
FL/HC	20.9	%	(-)		HADLOCK			
HC/AC	1.06	%	(-)		CAMPBELL			



Still / Cine Save

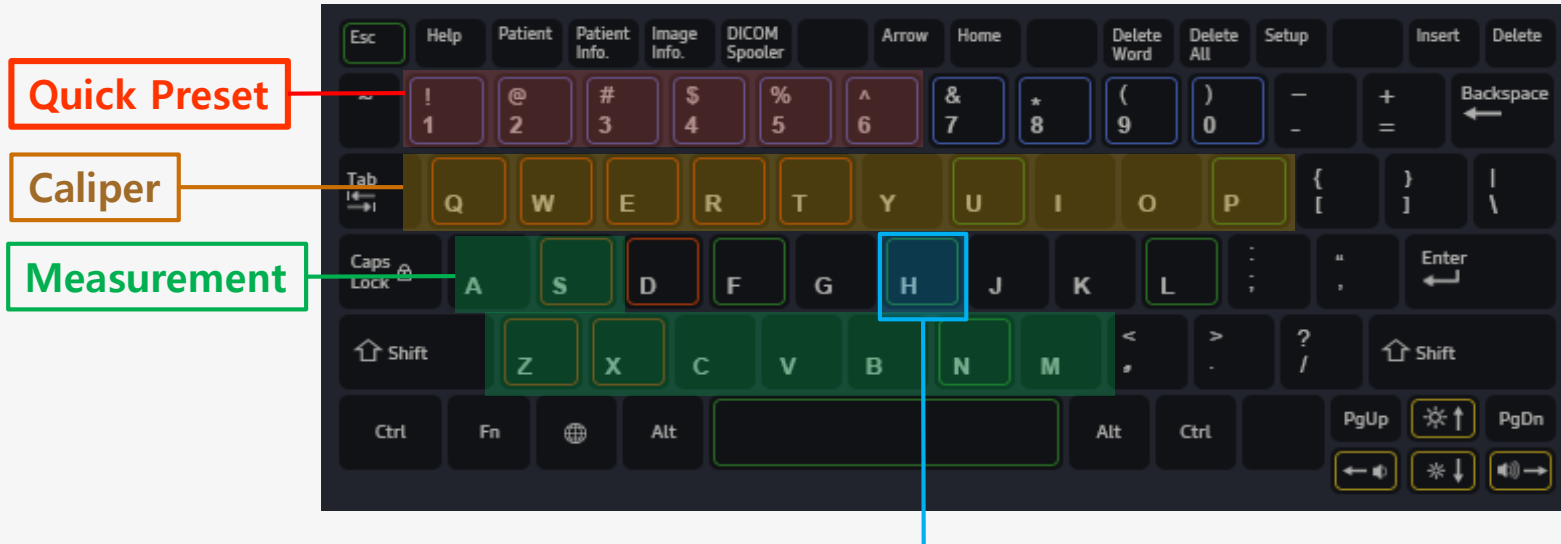
SAMSUNG

- Assign the action on Save and User Key (U1 – U4)
 - Setup > Customize > Buttons
- Save Button : Still store
- U1 Key : Clip store (Assigned as Clip Store on



Short Cut Key Map

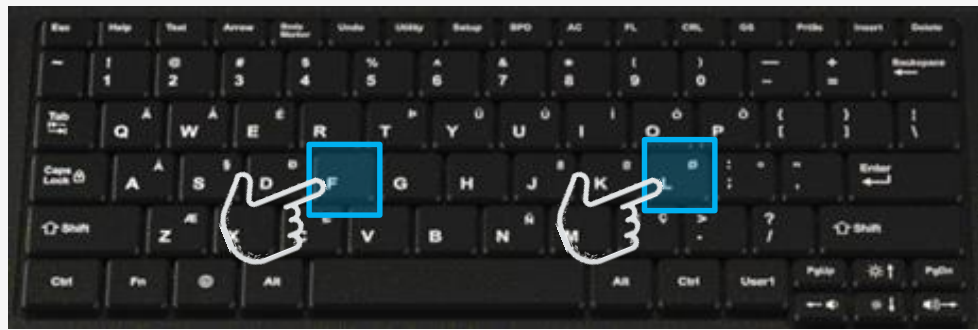
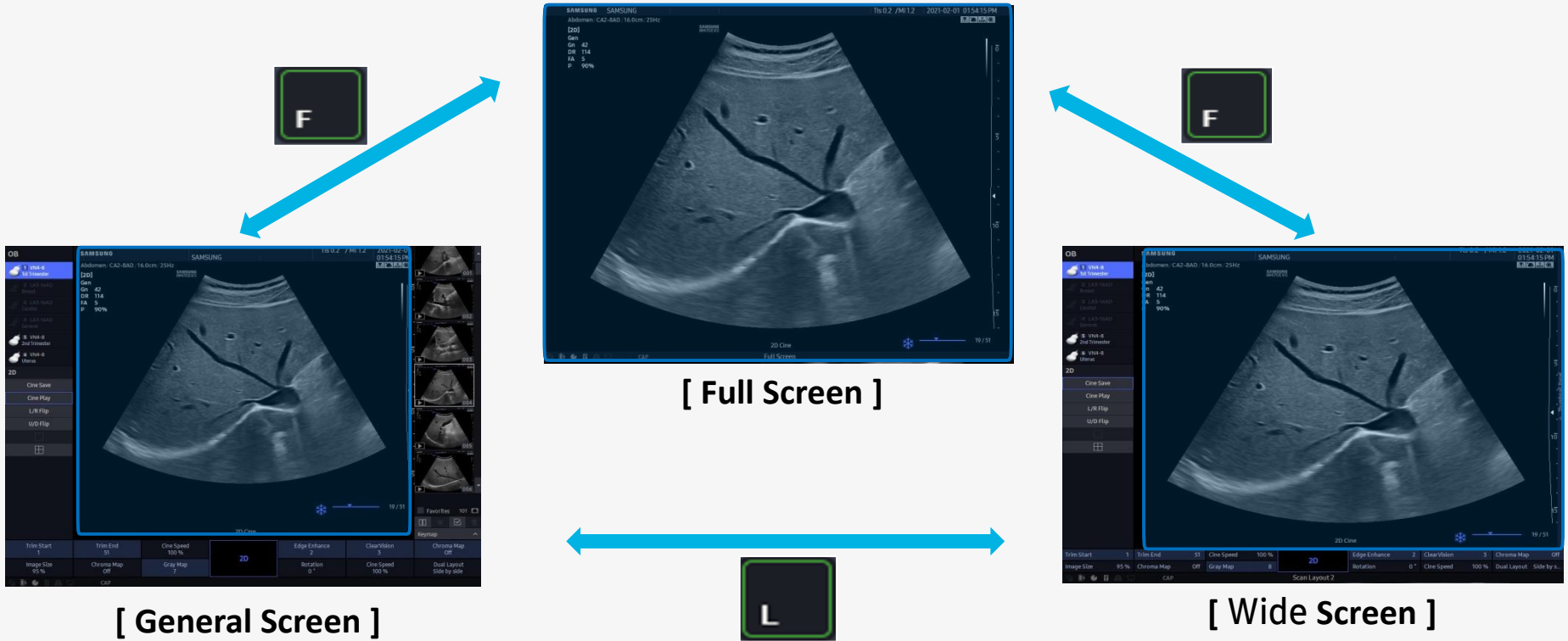
- Available to display Short cut Key Map on Scan Mode with [H] button



User Preset	Calipers	Measurements
1 Quick Preset 01	Q Distance	Z HC
2 Quick Preset 02	W Trace	X BPD
3 Quick Preset 03	E Trace Length	C AC
4 Quick Preset 04	R Ellipse	V FL
5 Quick Preset 05	T Open Spline	B CRL
6 Quick Preset 06	Y Closed Spline	N GS
	U Ellipse Volume	M LV (2D) > All LV (2D)
General	I Ellipse + Dist Vol	A AFI > AFI (Q1,Q2,Q3,Q4)
F Full Screen (On/Off)	O Disk Volume	S AFI > MVP
H Shortcuts Help	P 3 Points Angle	
L Layout Selection		

Screen Layout change

- Screen Layout is interchangeable with Hot key : [F], [L]



Edit Patient information

SAMSUNG

- On the Patient Page
 - Search Tab > Select the Study (In 24H only)

Study Information Application Small Parts

Description

Accession Number

Diag. Physician

Ref. Physician

Operator

Search

Hide ② Search by Patient ID

Patient ID	Patient Name	Date of Birth	Gender	Exam Date	Application
THESAMSUNG	KIM, JUN H	1990-11-12	Female	2021-03-17	Small Parts
Temp_20210317-09...			None	2021-03-17	OB
TEST123			None	2021-03-16	OB
SAMSUNG 2021	KIM, HAN HEE	1990-11-11	Female	2021-03-15	Abdomen
SAMSUNG123	KIM, JUN H	1990-11-11	Female	2021-03-15	OB
Temp_20210311-04...			None	2021-03-11	OB
20210309-044405PM			None	2021-03-09	Cardiac

Exam List Review Images SonoView Continue Exam EzCompare Edit Patient

④

Alternative Patient Information

Patient ID
SAMSUNG2021

Last Name First Name Middle Name
LEE JUN H

Date of Birth Age Gender
1990-11-11 30 Female

Load Original Clear All

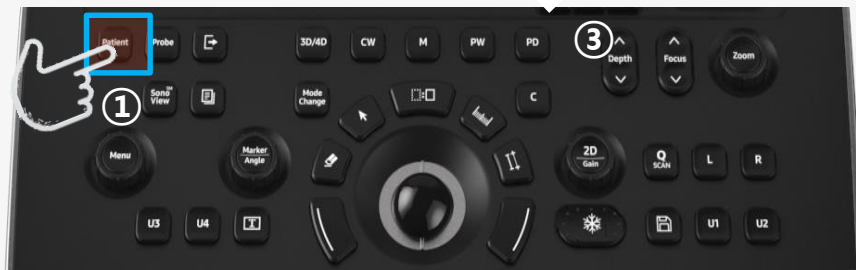
Replace from Existing Local Storage Worklist

Search by Patient ID

Patient ID	Patient Name	Date of Birth	Gender	Exam Date	Application
SAMSUNG123	KIM, JUN H	1990-11-11	Female	2021-03...	OB
20210309-04...			None	2021-03...	Cardiac
20210308-04...			None	2021-03...	OB
20210304-110...			None	2021-03...	OB
20210304-09...			None	2021-03...	OB
20210303-04...			None	2021-03...	OB
20210303-110...			None	2021-03...	Cardiac
20210303-103...			None	2021-03...	Cardiac

Hide Patient Information Send DICOM after changing patient information : Group 1

Change Cancel



⑤

How to Export (PC format)

SAMSUNG

- Enter to Exam List
 - Sonoview > Exam List or
 - Patient page > Search tap > Exam List

Exam List

HDD

Patient ID: [] Last Name: [] First Name: []

Exam Date: Manual [] : YYYY-MM-DD ~ YYYY-MM-DD

Hide

	Patient ID	it	Exam Date	Application
<input checked="" type="checkbox"/>	SAMSUNG		2021-02-01	Abdomen
<input type="checkbox"/>	HM70EVO_		2021-01-29	Vascular
<input type="checkbox"/>	ABDOMEN1		2021-02-02	Abdomen
<input type="checkbox"/>	ECHO1		2021-02-03	Cardiac
<input type="checkbox"/>	HM70EVO_		2021-01-29	Small Parts
<input type="checkbox"/>	STRESS-4		2021-02-02	Cardiac
<input type="checkbox"/>	HM70EVO4		2021-02-03	Vascular
<input type="checkbox"/>	Temp_20210204-020504PM		2021-02-04	Small Parts
<input type="checkbox"/>	STRESS ECHO-2		2021-02-02	Cardiac
<input type="checkbox"/>	HM70EVO7		2021-02-04	Small Parts
<input type="checkbox"/>	HM70EVO5		2021-02-03	Cardiac
<input type="checkbox"/>	HM70EVO 2		2021-02-03	Abdomen
<input type="checkbox"/>	Echo		2021-01-28	Cardiac
<input type="checkbox"/>	HM70EVO 1		2021-02-03	OB
<input type="checkbox"/>	ABDOMEN2		2021-02-03	Abdomen
<input type="checkbox"/>	CAROTID-1		2021-02-02	Cardiac
<input type="checkbox"/>	Stress Echo 2		2021-01-28	Cardiac
<input type="checkbox"/>	HM70EVO6		2021-02-04	MSK

Send
Export
Print
Backup
Restore
Delete
Review
Continue Exam
Exit

Export

Drive: F:\ Available Size: 14.0 GB Estimated Size: 37.8 MB

Directories: F:\ MDX1 RS 85 PRESTIGE IMAGES System Volume Information TESTTTT

File Name: PatientID_Date

File Format: BMP, AVI

Create Patient Folder(s)

Hide Patient Information

Export Close