

ACUSON Juniper ultrasound system

Onscreen measurements and reports
3.0 (VC10)



Objectives

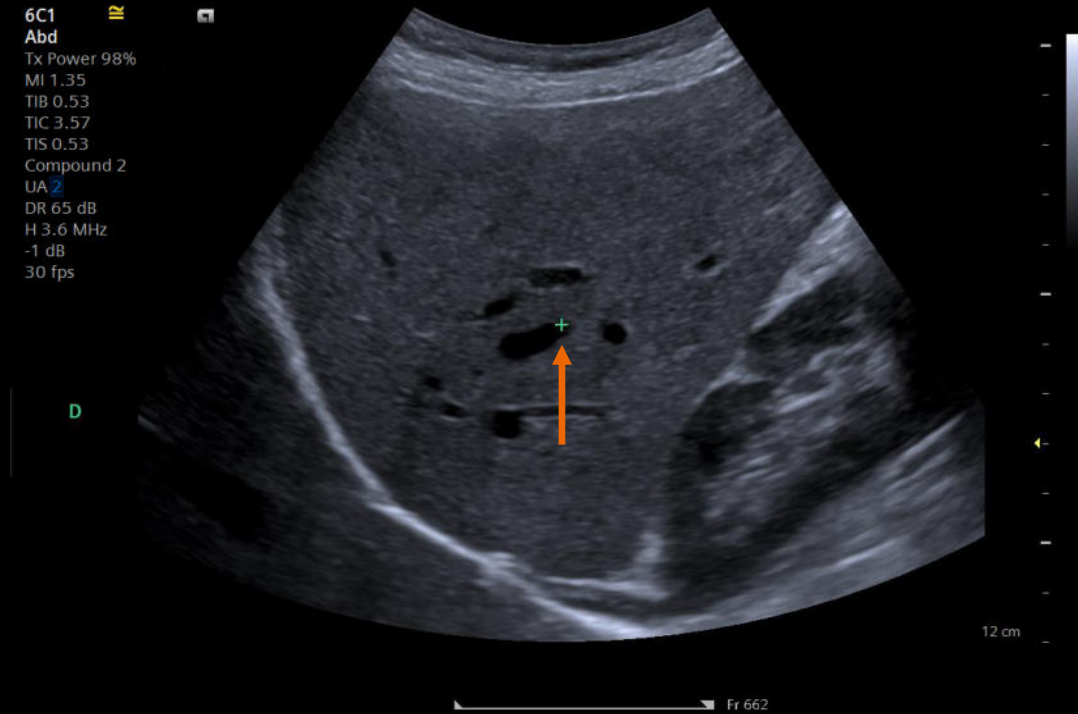
- **Explain measurement access and screen information**
- Illustrate display customizations
- Describe measurement labeling and accessing alternate calculation packages
- Identify the Measurement Display Area and onscreen options
- Explain editing and deleting measurements
- Discuss exam specific measurements
- Examine Report access and printing



Accessing measurements



Measurement onscreen display



UD 1 None
UD 2 None
UD 3 None



Left Panel onscreen display

The image displays the left panel of a Siemens ultrasound system. The panel is titled 'Abdominal' and contains several sub-sections:

- Abd**: Renal, Bowel
- FAST**: Lung, -
- Right**: Left, None
- Prox**: Mid, Dist, None

Below these are various measurement options:

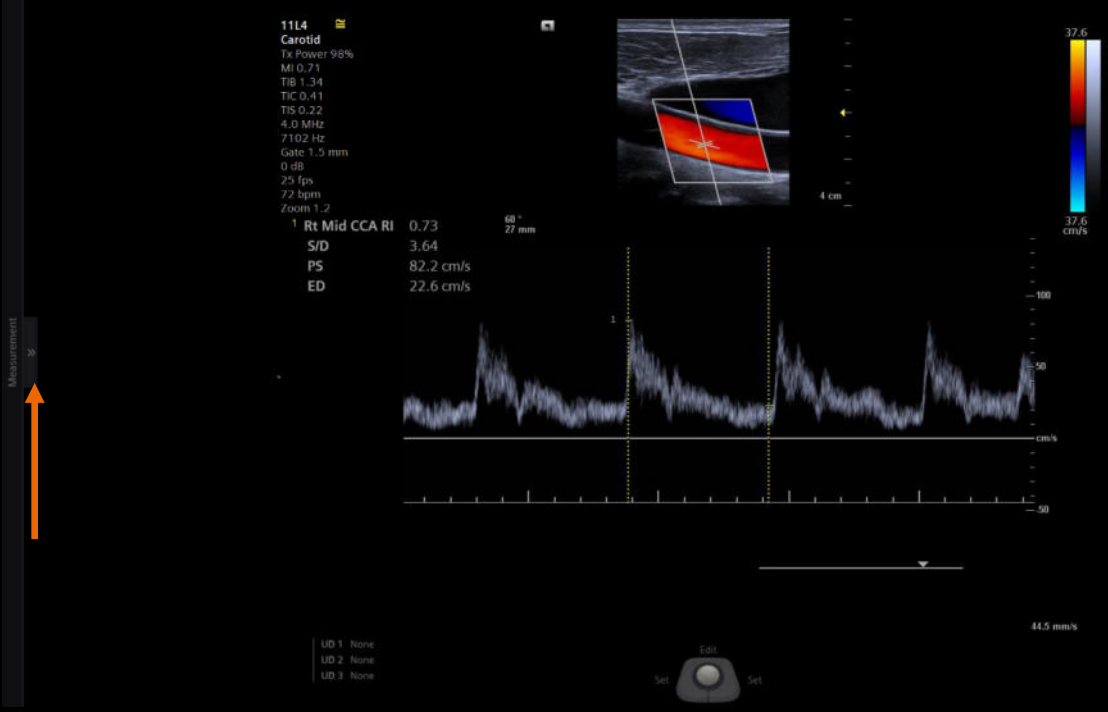
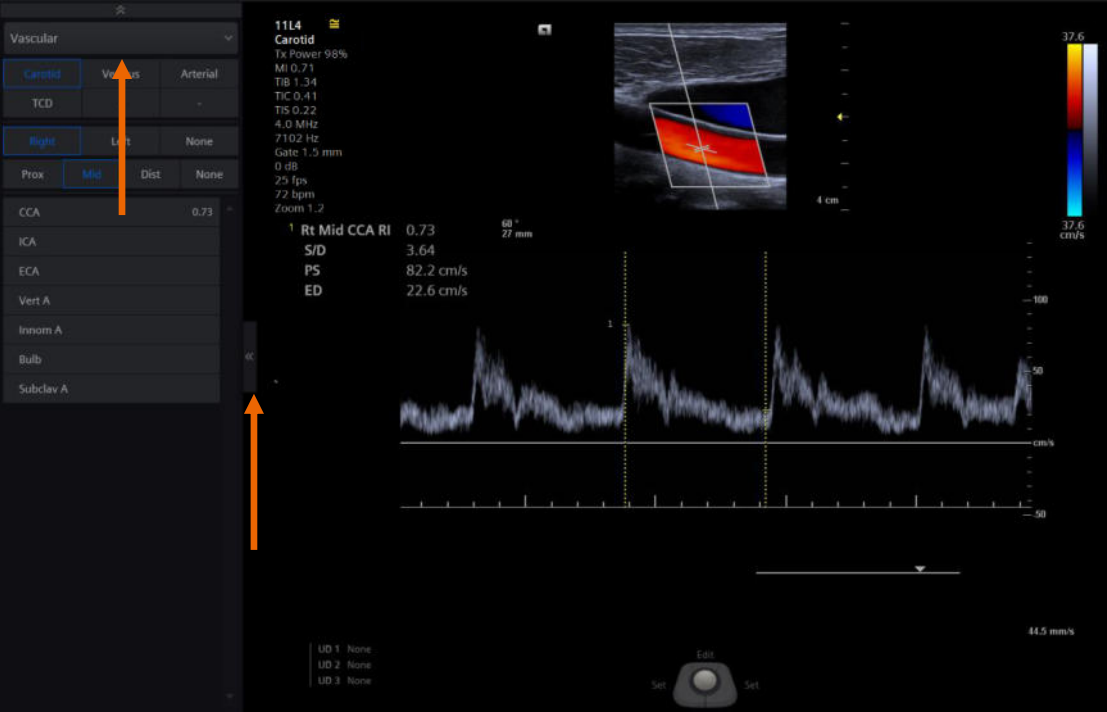
- Liver Length
- GB Wall Thickness
- GB Length
- CBD
- CHD
- Kidney Length
- Kidney Width
- Kidney AP
- Spleen Volume
- Aorta
- Pancreas Head
- Pancreas Body
- Pancreas Tail
- IVC

Technical parameters for the scan are shown on the right side of the panel:

- 6C1
- Abd
- Tx Power 98%
- MI 1.35
- TIB 0.53
- TIC 3.57
- TIS 0.53
- Compound 2
- UA 2
- DR 65 dB
- H 3.6 MHz
- 1 dB
- 30 fps

The main display area shows a B-mode ultrasound image of an abdominal organ, likely the liver, with a green crosshair indicating a measurement point. A scale bar at the bottom right indicates 12 cm. The frame number 'Fr 662' is visible at the bottom center. At the bottom of the screen, there are controls for 'UD 1 None', 'UD 2 None', 'UD 3 None', and a central 'Edit' button with 'Set' buttons on either side.

Left Panel on/off

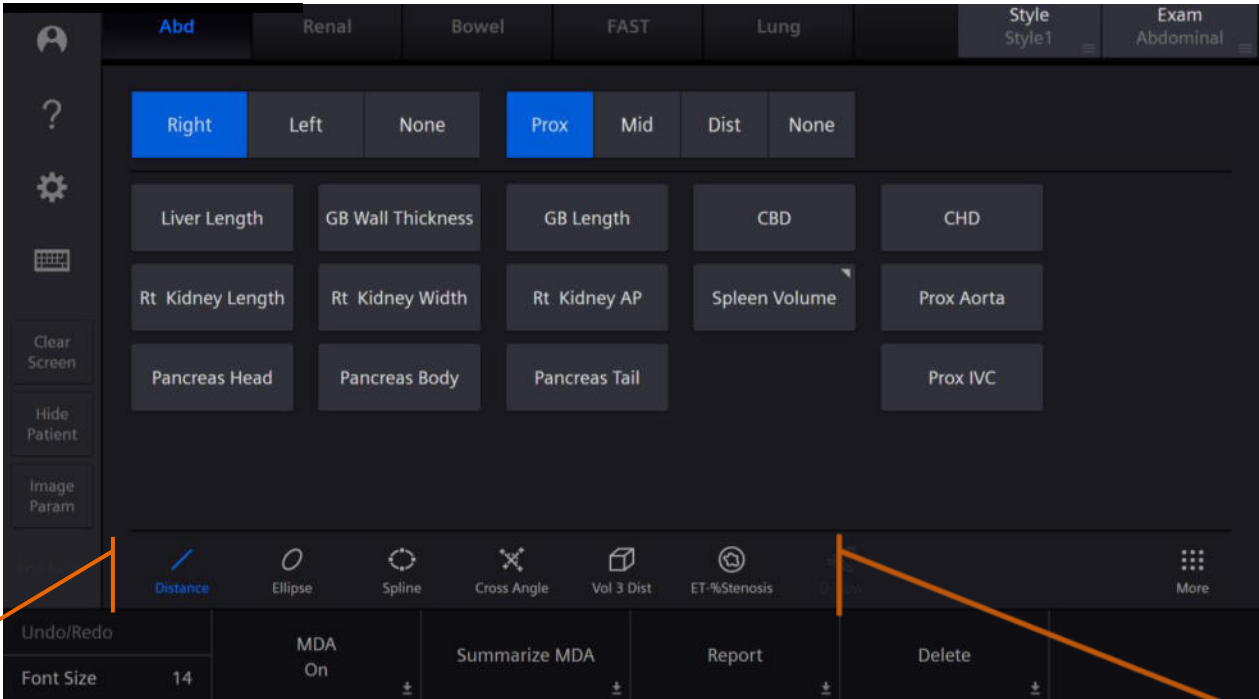


Touch screen display layout

The screenshot shows a touch screen interface for an abdominal ultrasound. The top navigation bar includes 'Abd', 'Renal', 'Bowel', 'FAST', 'Lung', 'Style', and 'Exam Abdominal'. Below this, there are buttons for 'Right', 'Left', 'None', 'Prox', 'Mid', 'Dist', and 'None'. The main area contains several measurement and analysis buttons: 'Liver Length', 'GB Wall Thickness', 'GB Length', 'CBD', 'CHD', 'Rt Kidney Length', 'Rt Kidney Width', 'Rt Kidney AP', 'Spleen Volume', 'Prox Aorta', 'Pancreas Head', 'Pancreas Body', 'Pancreas Tail', and 'Prox IVC'. A vertical sidebar on the left contains icons for 'Clear Screen', 'Hide Patient', 'Image Param', and 'End Exam'. At the bottom, there is a toolbar with icons for 'Distance', 'Ellipse', 'Spline', 'Cross Angle', 'Vol 3 Dist', 'ET-%Stenosis', and 'More'. The bottom status bar includes 'Undo/Redo', 'Font Size 14', 'MDA On', 'Summarize MDA', 'Report', 'Delete', and 'Cine 70' (highlighted with an orange box). An orange arrow points to a horizontal menu indicator in the center of the screen.

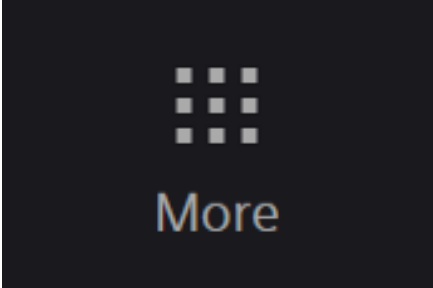
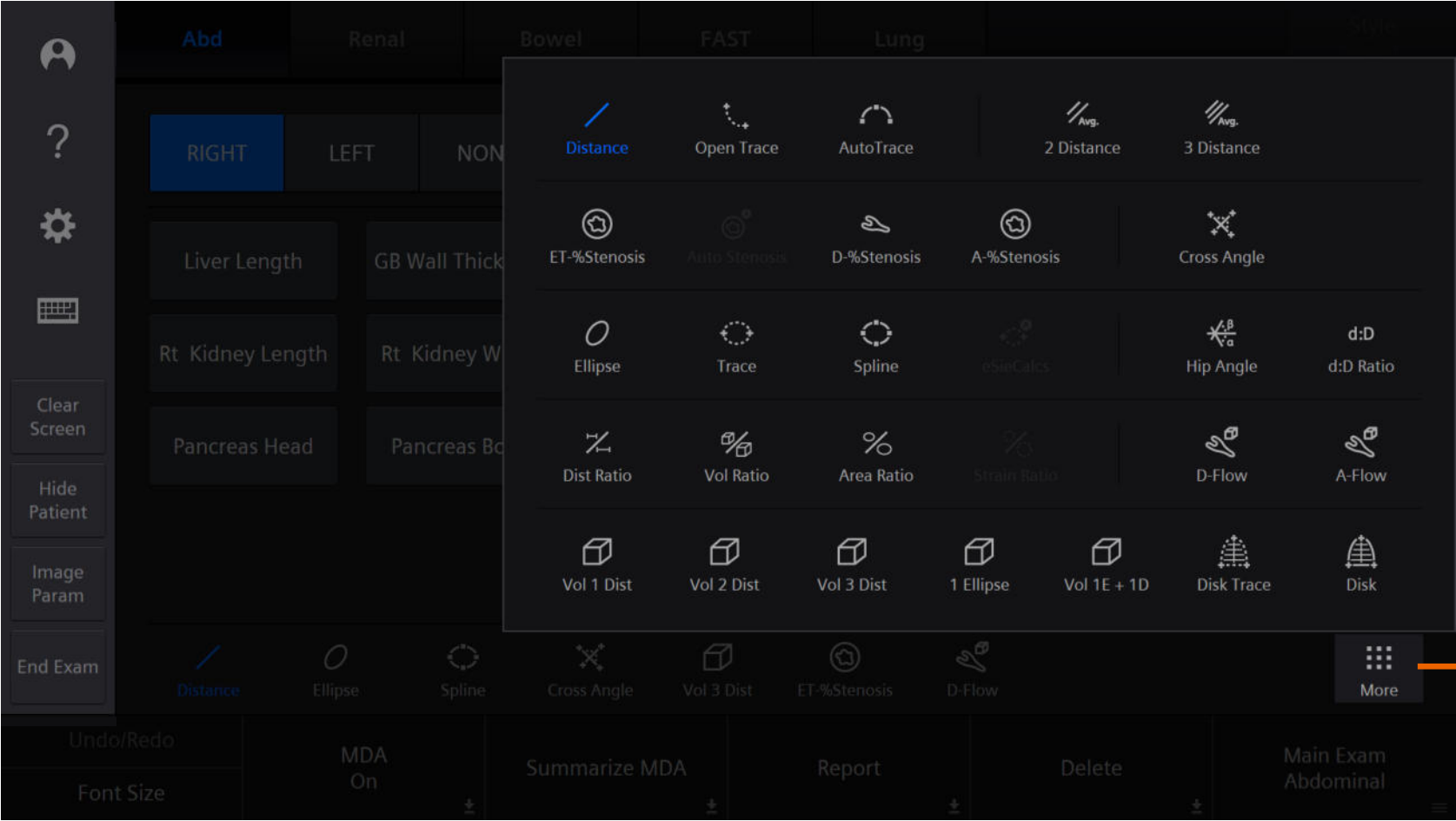


Generic measurements Tool bar



Generic measurements

More



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Font size



Undo/Redo

Font Size

Caliper icons and size

6C1
Abd
Tx Power 98%
MI 1.38
TIB 0.59
TIC 2.83
TIS 0.59
Compound 2
DR 65 dB
H 5.0 MHz
-2 dB
32 fps

- * D 46.3 mm
- * D 46.3 mm
- * D 46.3 mm
- 田 D 46.3 mm

- 1 D 5.8 mm
- 2 D 6.0 mm



Objects

Numbers

16 cm

6C1
Abd
Tx Power 98%
MI 1.38
TIB 0.59
TIC 2.83
TIS 0.59
Compound 2
DR 65 dB
H 5.0 MHz
-2 dB
32 fps

D

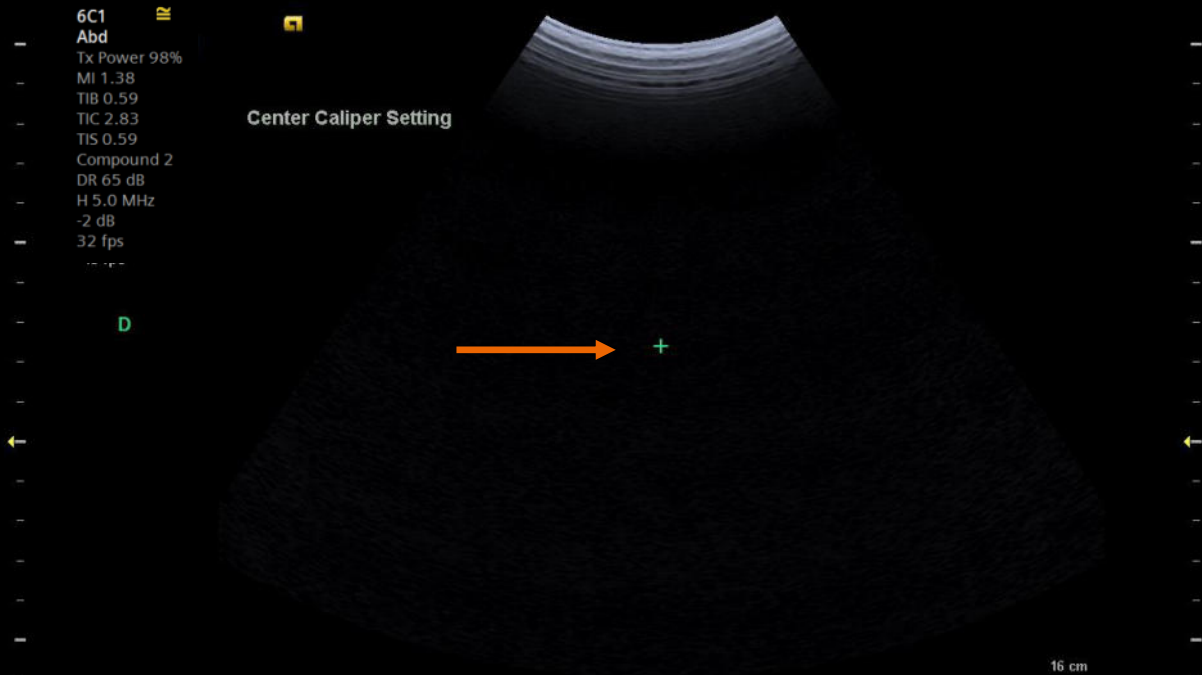
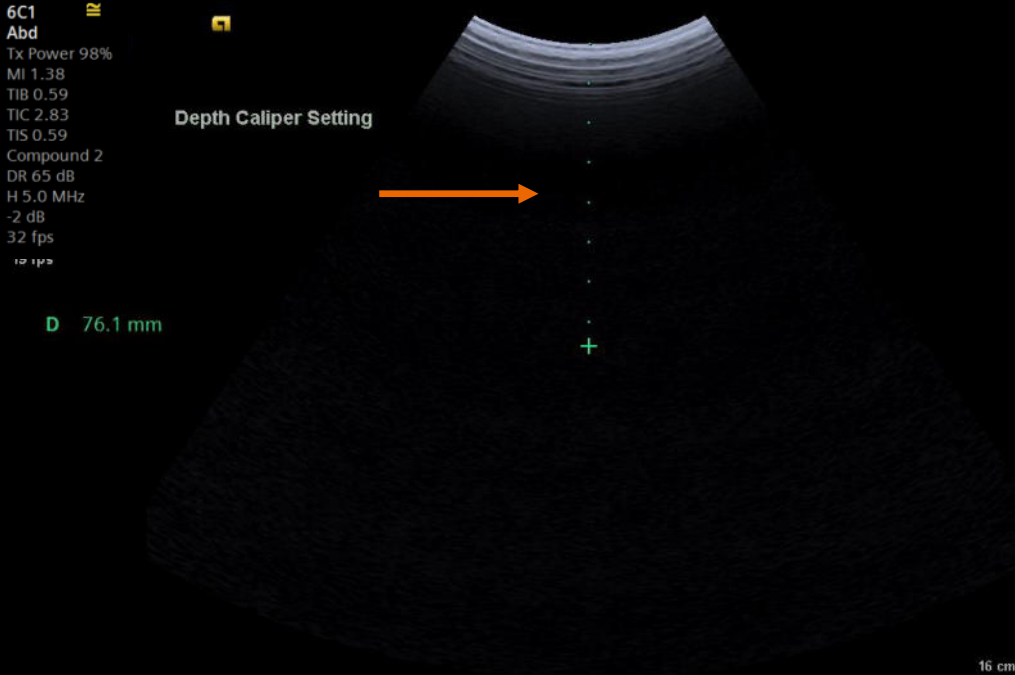
Small



Large

16 cm

Caliper default position



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The screenshot displays the 'Styles' menu in the Siemens Healthineers software. The 'Abd' category is selected, and the 'Prox' sub-category is highlighted. The main area contains a grid of measurement options: Liver Length, GB Wall Thickness, GB Length, CBD, CHD, Rt Kidney Length, Rt Kidney Width, Rt Kidney AP, Spleen Volume, Prox Aorta, Pancreas Head, Pancreas Body, Pancreas Tail, and Prox IVC. The bottom bar includes tools like Distance, Ellipse, Spline, Cross Angle, Vol 3 Dist, ET-%Stenosis, D-Flow, and More. A status bar at the bottom shows Undo/Redo, Font Size 14, MDA On, Summarize MDA, Report, and Delete.

The inset screenshot shows a zoomed-in view of the 'Style' menu. The 'Style1' option is highlighted in blue, with 'Style2' and 'Style3' also visible.

Anatomical labels

The screenshot displays the 'Carotid' section of a Siemens Healthineers software interface. At the top, there are tabs for 'Carotid', 'Venous', 'Arterial', and 'TCD'. Below these are 'Style Style1' and 'Exam Vascular' tabs. The main area contains a grid of buttons for selecting laterality and position. The 'Right' button is highlighted in blue, and the 'Prox' button is also highlighted in blue. Below this grid are buttons for 'Rt Prox CCA', 'Rt Prox ICA', 'Rt Prox ECA', 'Rt Prox Vert A', 'Innom A', and 'Rt Bulb'. A 'Result Compare' button is located in the bottom right of the main area. At the bottom of the screen, there is a toolbar with icons for 'Distance', 'Ellipse', 'Spline', 'Cross Angle', 'Vol 3 Dist', 'ET-%Stenosis', and 'D-Flow', along with a 'More' button. The bottom status bar includes 'Undo/Redo', 'Font Size 14', 'MDA On', 'Summarize MDA', 'Report', and 'Delete'.

Annotations with orange arrows point to the 'Right' and 'Prox' buttons, and the 'Rt Bulb' button. Text labels on the left and right sides describe these annotations:

- Laterality choice reflected in label**: Points to the 'Right' button.
- Position choice reflected in label**: Points to the 'Prox' button.
- Anatomical label**: Points to the 'Rt Bulb' button.

Labeled measurements

Abd Renal Bowel FAST Lung Style Exam Abdominal

Right Left None Prox Mid Dist None

Liver Length GB Wall Thickness GB Length **CBD 4.20 mm** CHD

Rt Kidney Length Rt Kidney Width Rt Kidney AP Spleen Volume Prox Aorta

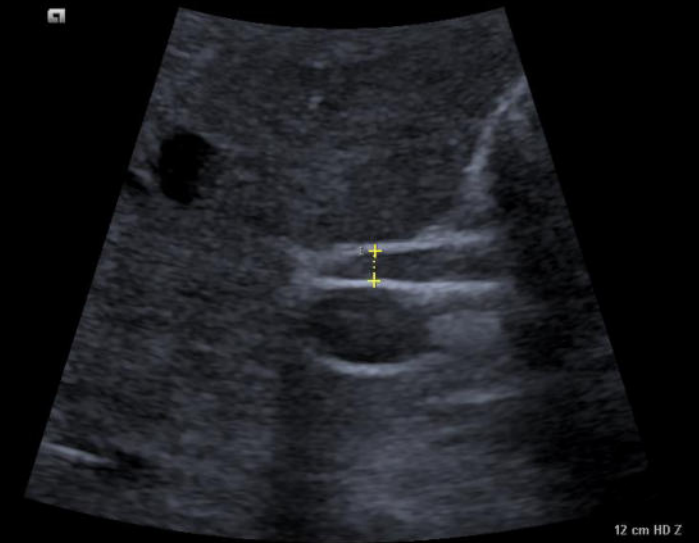
Pancreas Head Pancreas Body Pancreas Tail Prox IVC

Distance Ellipse Spline Cross Angle Vol 3 Dist ET-%Stenosis More

Undo/Redo Font Size 14 MDA On Summarize MDA Report Delete

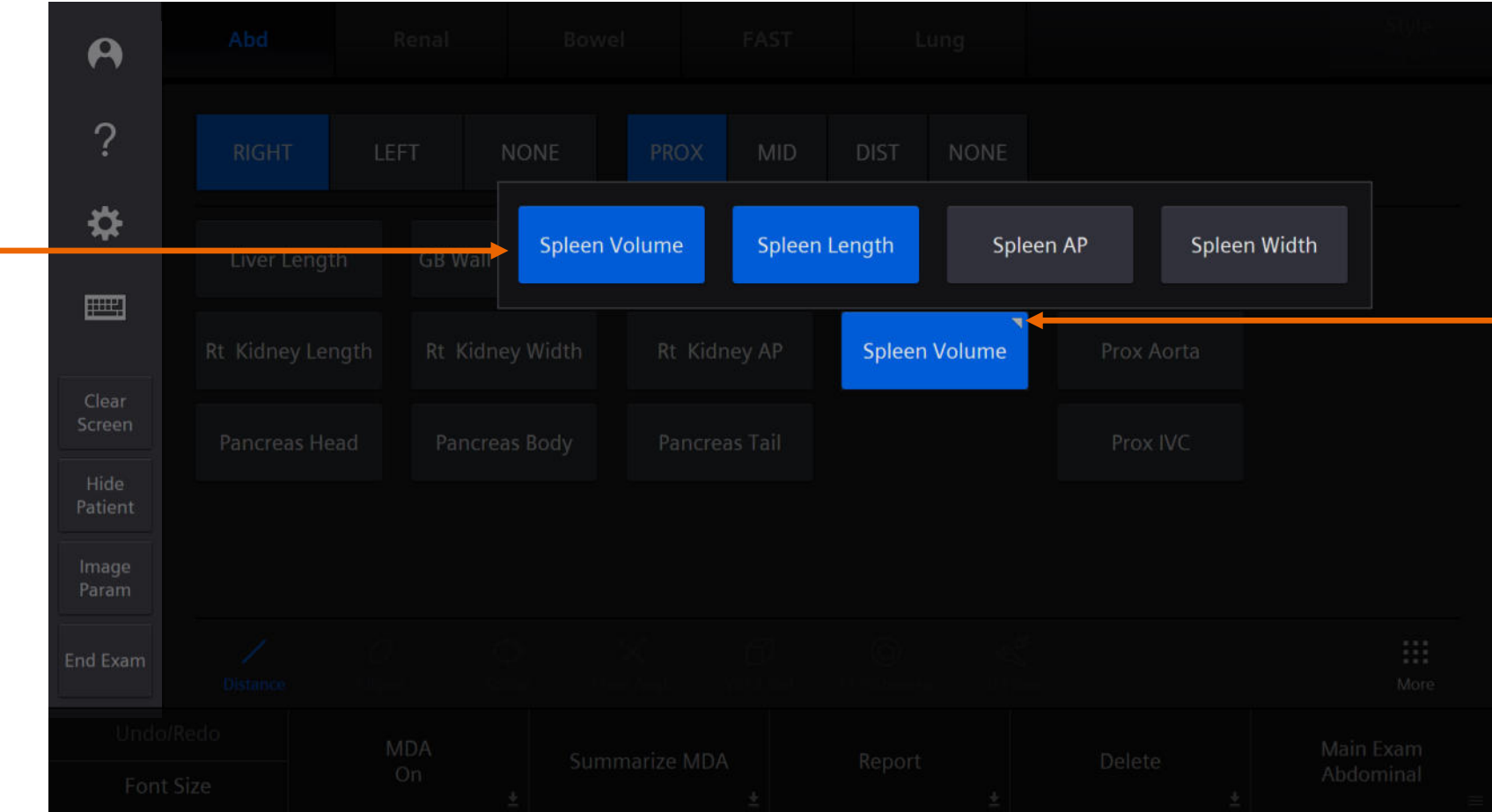
6C1
Abd
Tx Power 98%
MI 1.38
TIB 0.59
TIC 2.83
TIS 0.59
Compound 2
DR 65 dB
H 5.0 MHz
-2 dB
32 fps

1 CBD 4.2 mm



Groups

Group contents

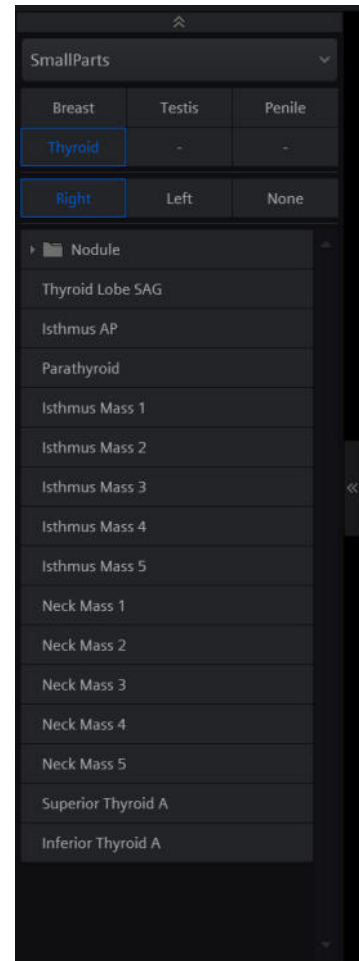
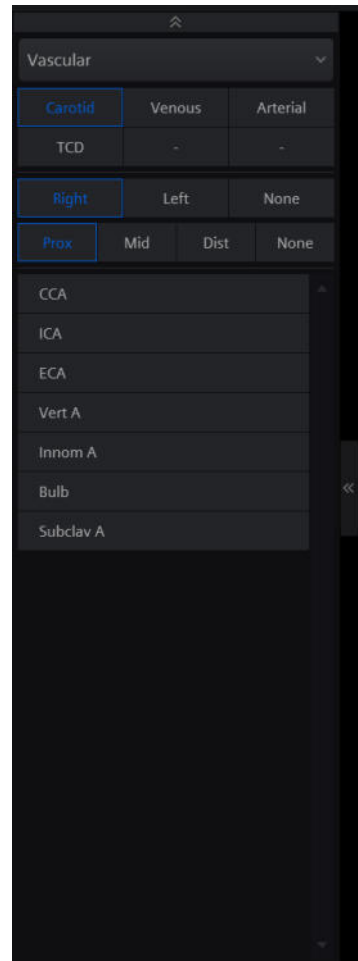
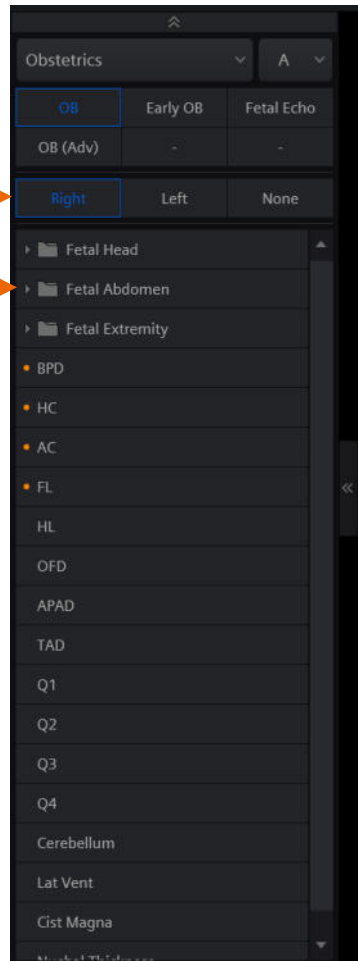


Group folder

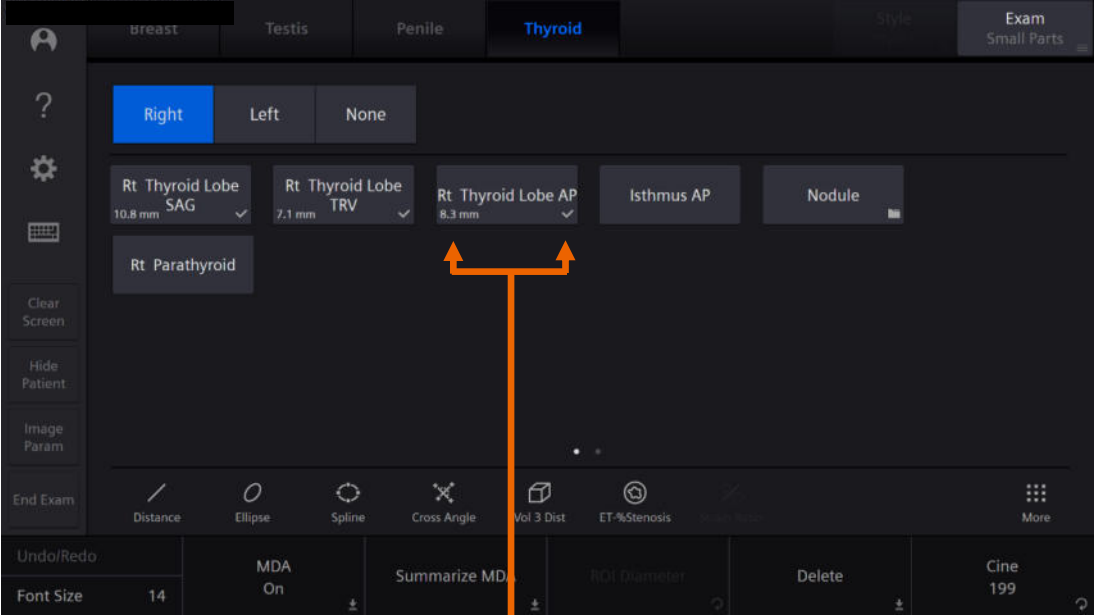
Left panel

Modifiers

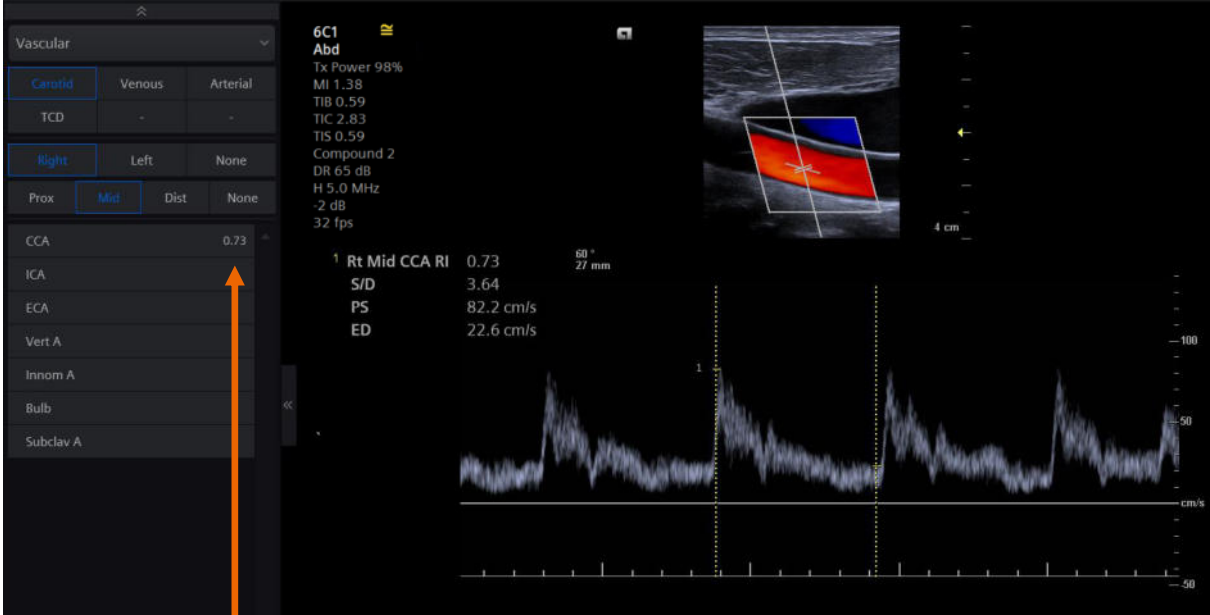
Groups



Completed measurements touch screen

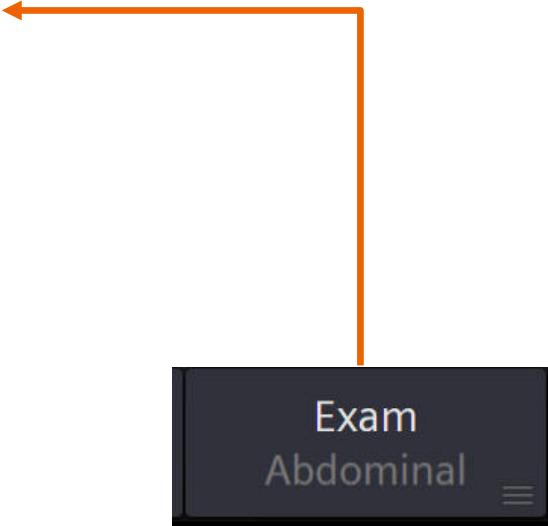
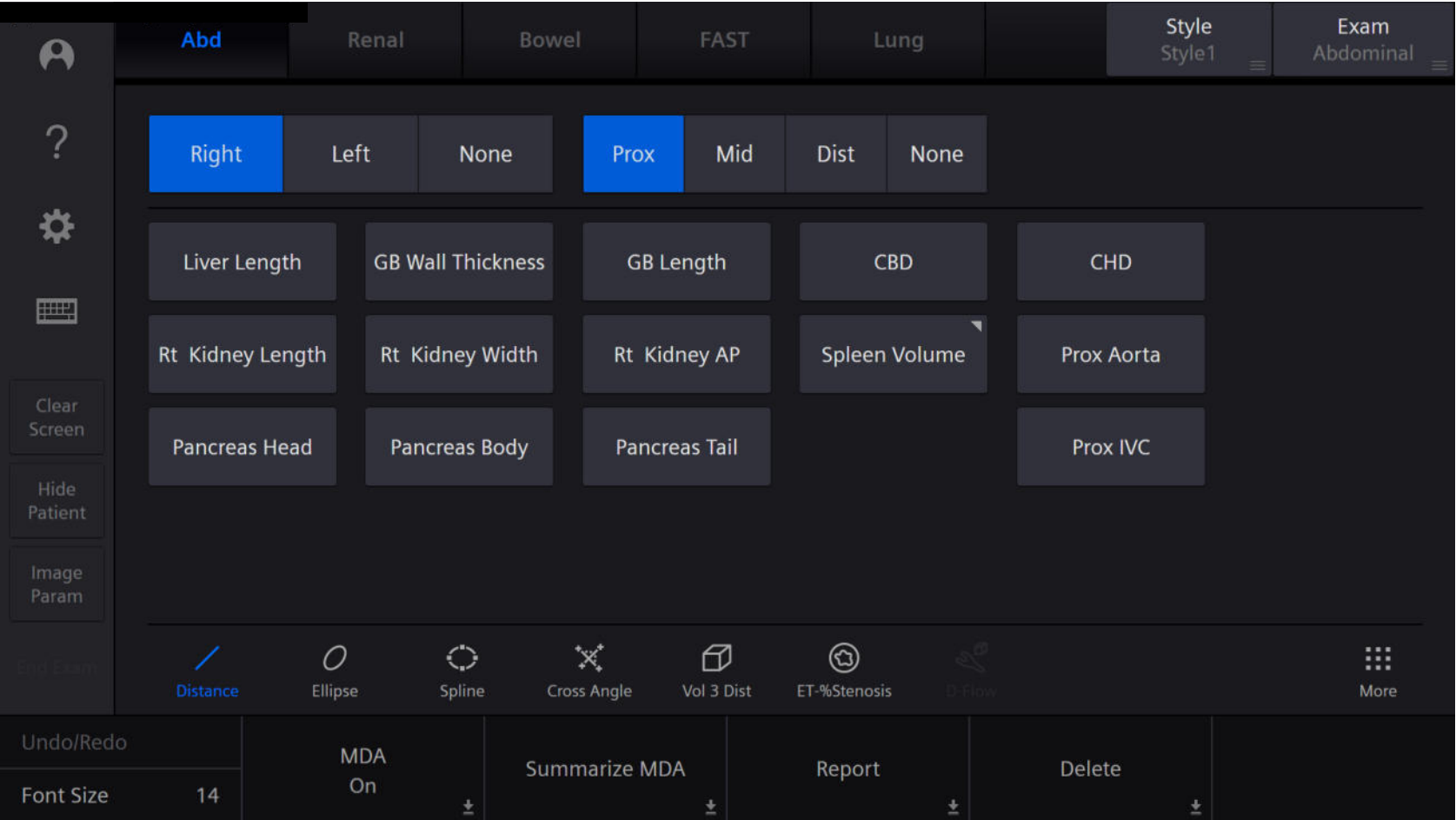


Measured value displayed with check mark indicating value entered into report

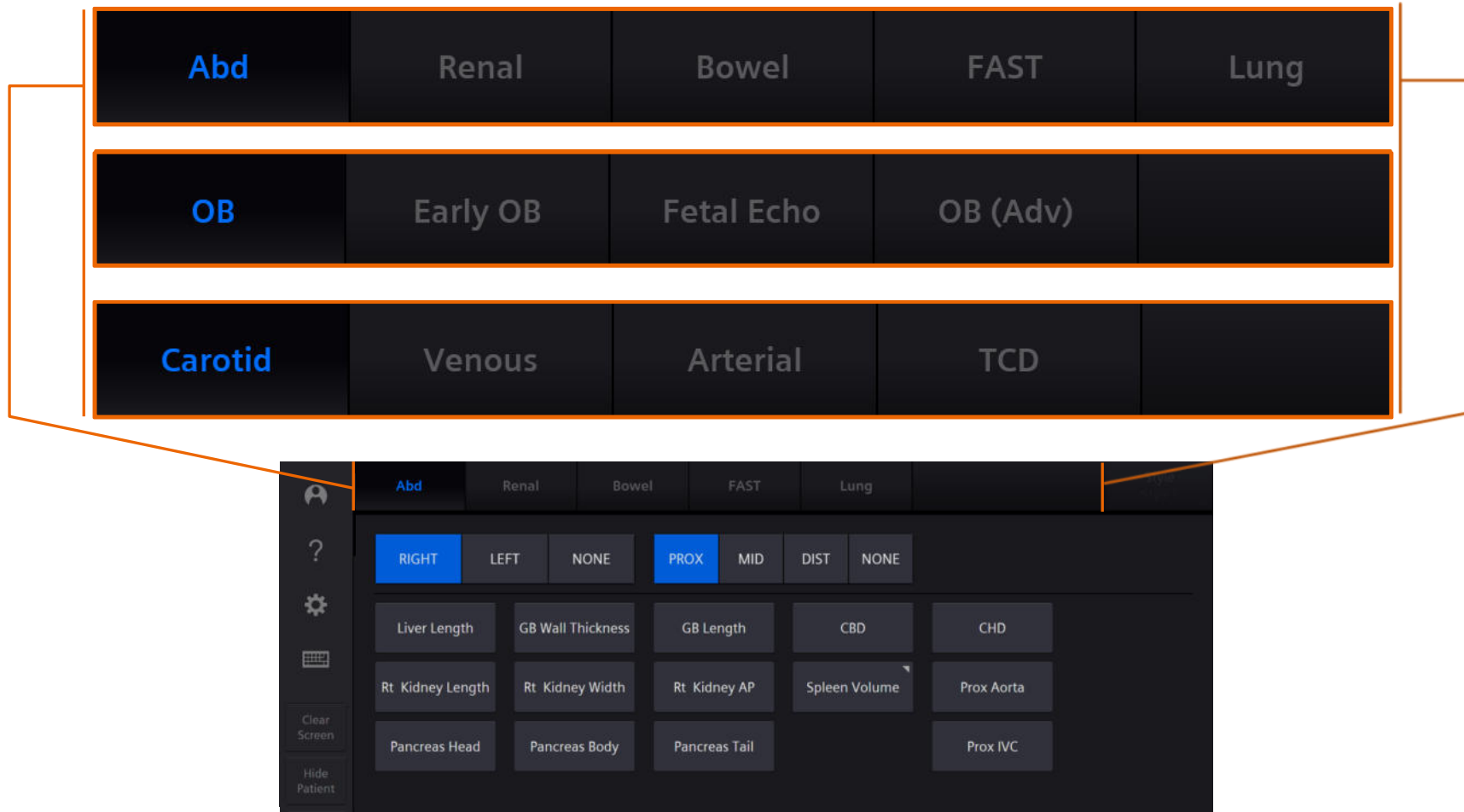


Measured value displayed on label line

Accessing other calculation packages



Accessing other calculation packages



Accessing other calculation packages

Drop down menu access

Abdominal

Abd	Renal	Bowel	
FAST	Lung	-	
Right	Left	None	
Prox	Mid	Dist	None

Aorta

Main RA

CHA

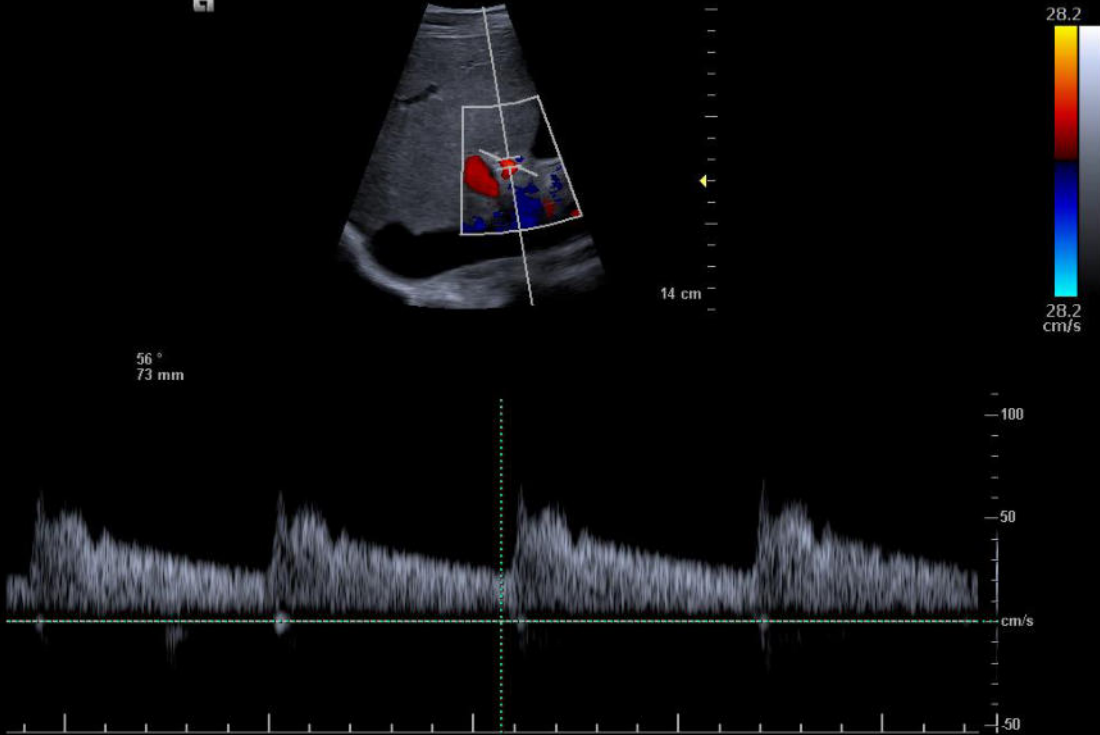
Celiac A Origin

Splenic A

SMA

IMA

6C1 IR
Abd
Tx Power 98%
MI 1.38
TIB 0.59
TIC 2.83
TIS 0.59
Compound 2
DR 65 dB
H 5.0 MHz
-2 dB
32 fps

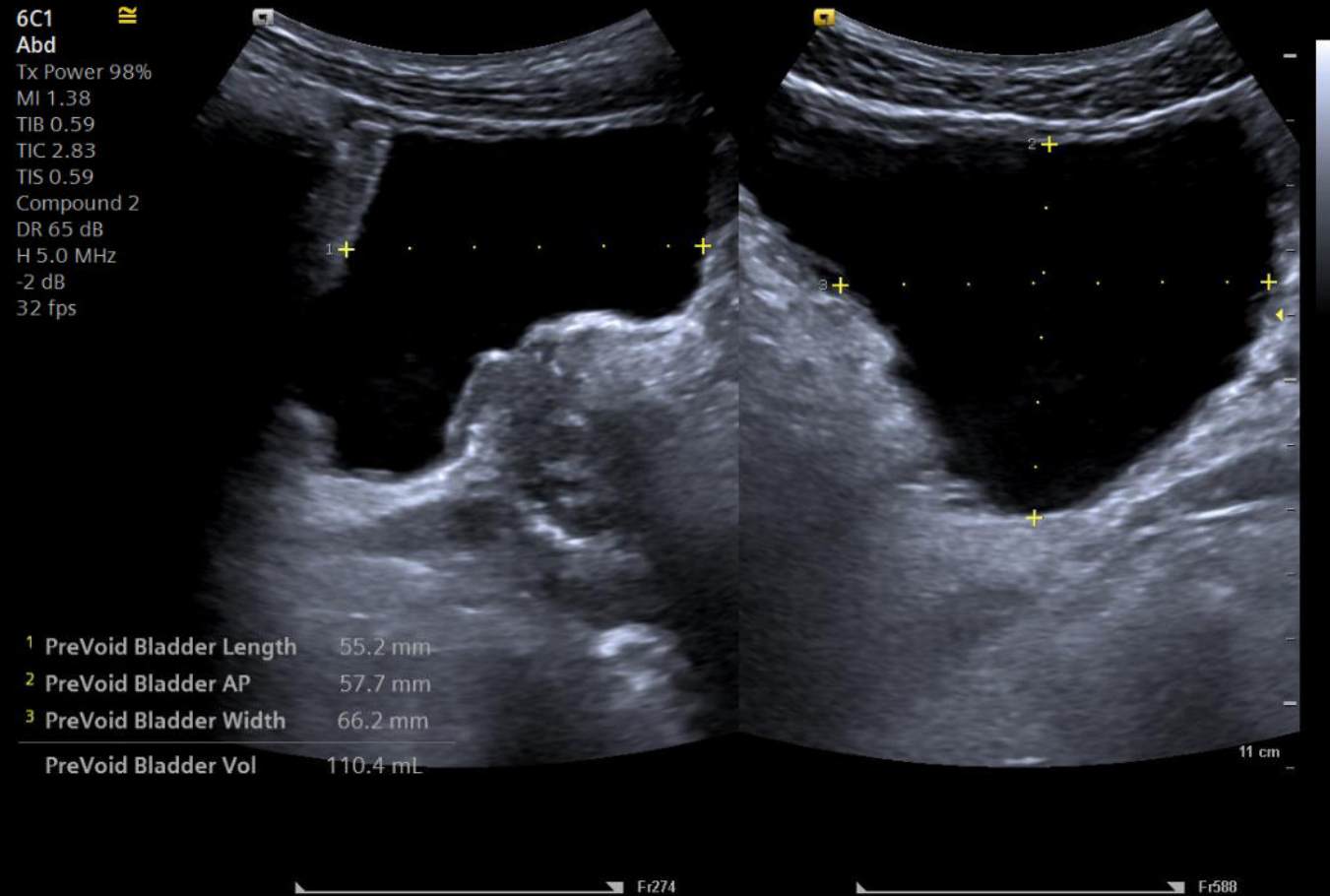


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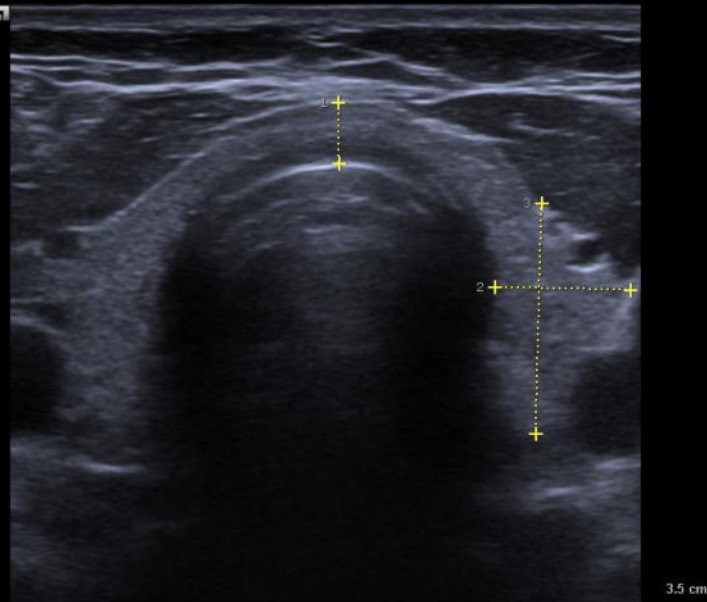


Measurement Display Area (MDA)



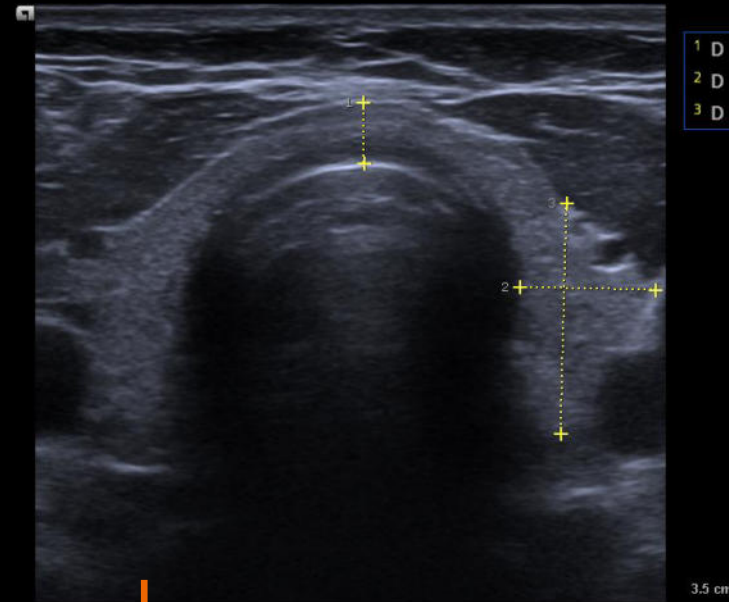
Repositioning MDA

14L4 IR
Thyroid
Tx Power 98%
MI 0.74
TIB 0.14
TIC 0.31
TIS 0.14
UA 3
DR 68 dB
H 11.4 MHz
-9 dB
59 fps



1 D 3.6 mm
2 D 7.9 mm
3 D 13.5 mm

14L4 IR
Thyroid
Tx Power 98%
MI 0.74
TIB 0.14
TIC 0.31
TIS 0.14
UA 3
DR 68 dB
H 11.4 MHz
-9 dB
59 fps

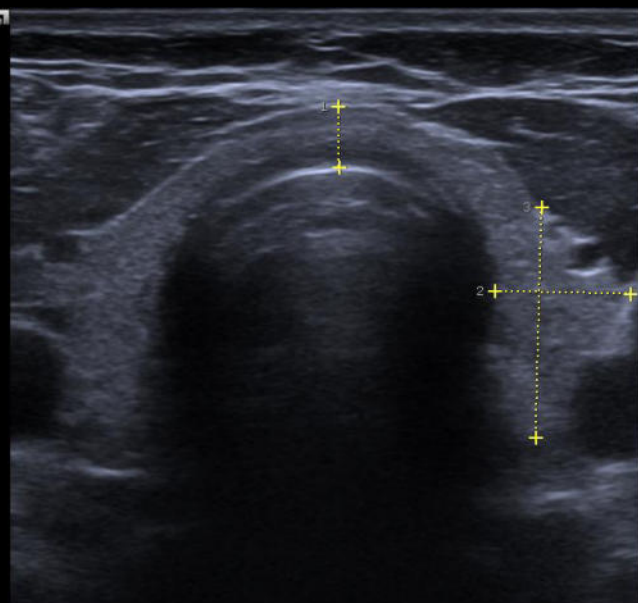


1 D 3.6 mm
2 D 7.9 mm
3 D 13.5 mm

1 D 3.6 mm 2 D 7.9 mm 3 D 13.5 mm

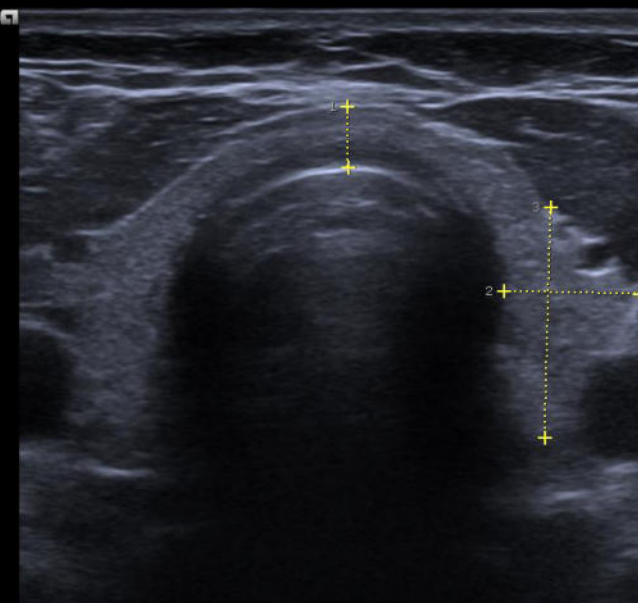
MDA on/off

14L4 IR
Thyroid
Tx Power 98%
MI 0.74
TIB 0.14
TIC 0.31
TIS 0.14
UA 3
DR 68 dB
H 11.4 MHz
-9 dB
59 fps



1 D 3.6 mm
2 D 7.9 mm
3 D 13.5 mm

14L4 IR
Thyroid
Tx Power 98%
MI 0.74
TIB 0.14
TIC 0.31
TIS 0.14
UA 3
DR 68 dB
H 11.4 MHz
-9 dB
59 fps

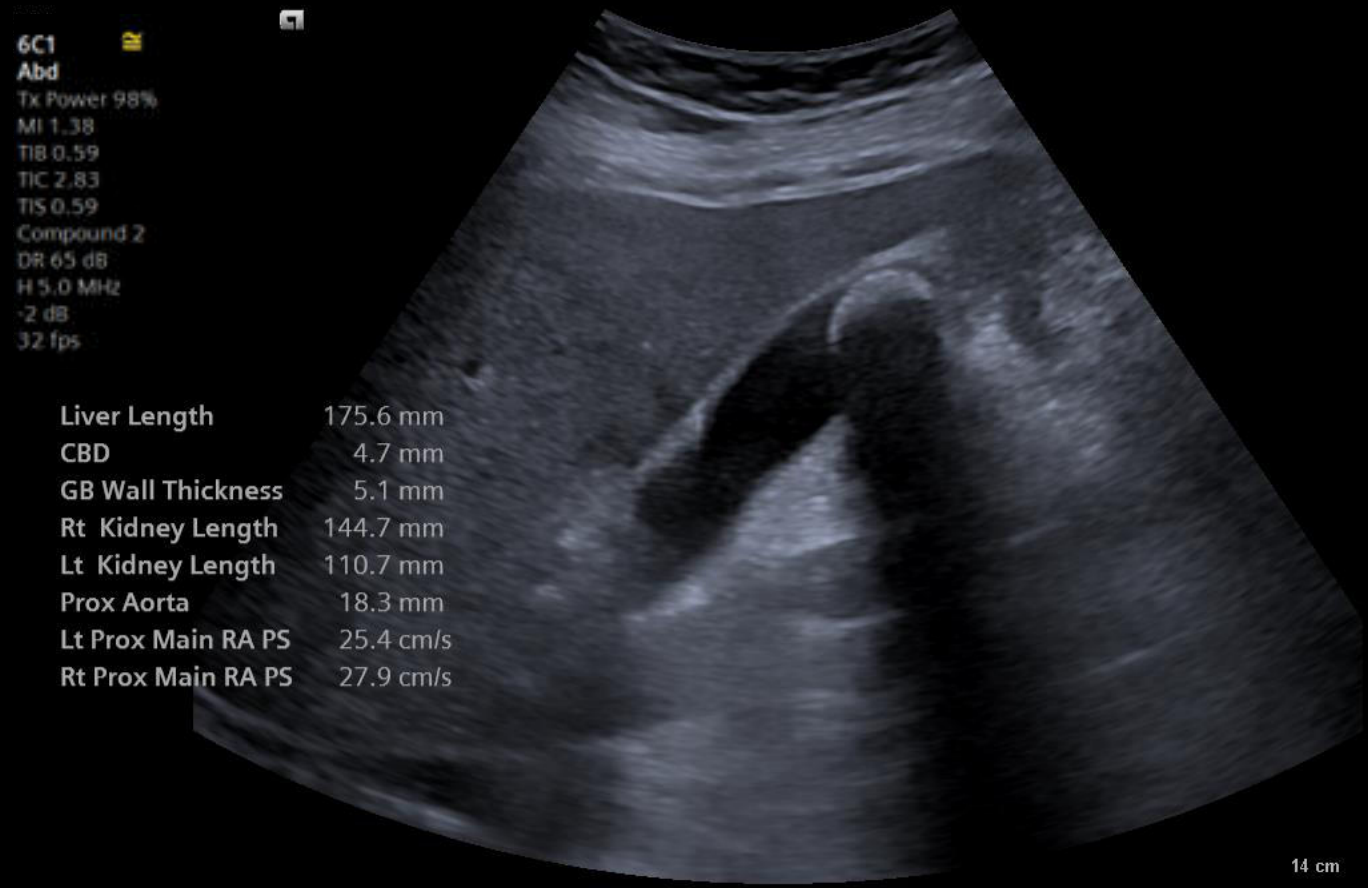


MDA
On

MDA
Off

Summarize MDA

Summarize MDA



Result Compare

Carotid Venous Arterial TCD Style Style1 Exam Vascular

Right Left None **Prox** Mid Dist None

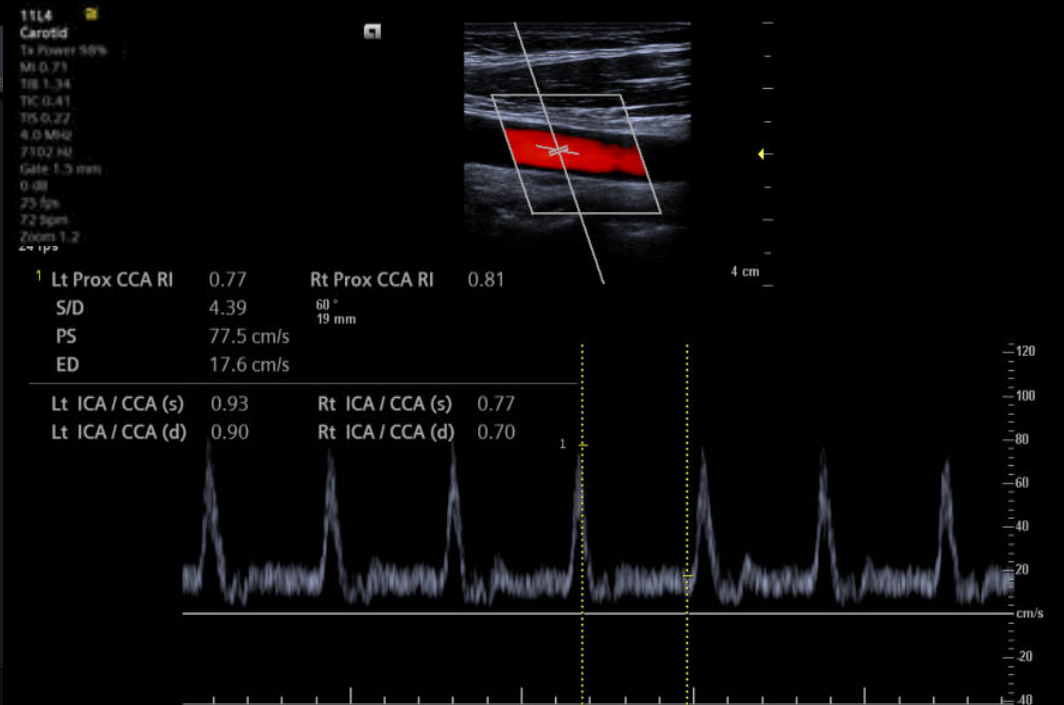
Lt Prox CCA 0.30 Lt Prox ICA 0.88 Lt Prox ECA 0.79 Lt Prox Vert A 0.52

Innom A Rt Bulb Rt Prox Subclav A

Result Compare

Distance Ellipse Spline Cross Angle Vol 3 Dist ET-%Stenosis D-Flow More

Undo/Redo Font Size 14 MDA On Summarize MDA Report Delete

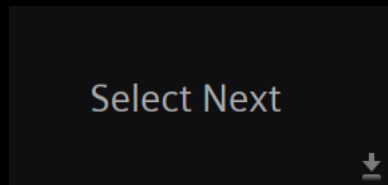


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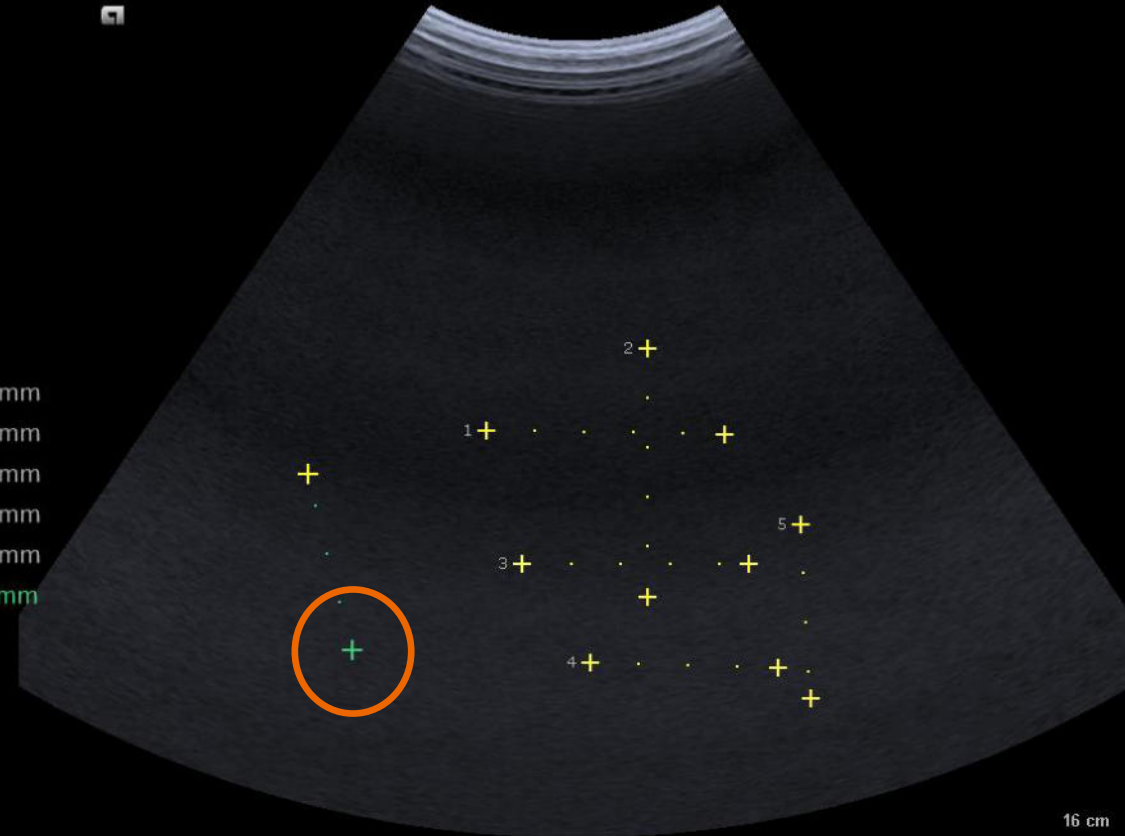


Editing and update a measurement



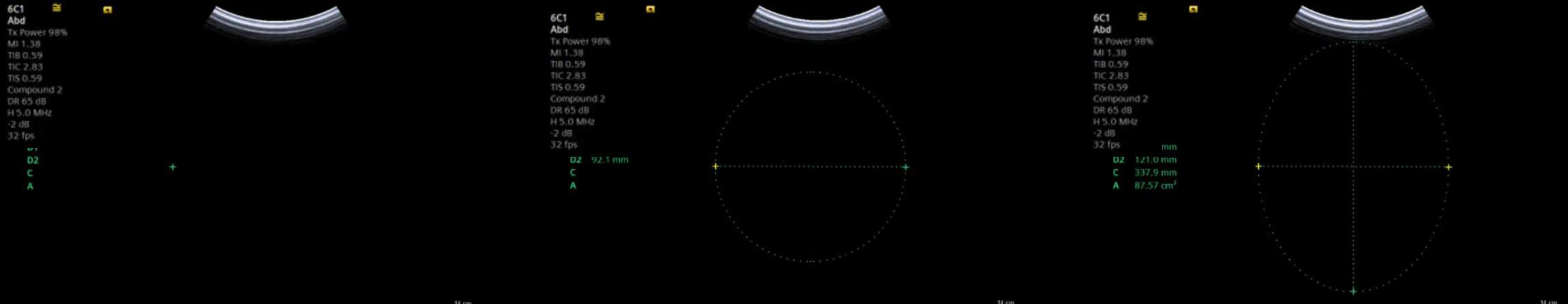
6C1
Abd
Tx Power 98%
MI 1.38
TIB 0.59
TIC 2.83
TIS 0.59
Compound 2
DR 65 dB
H 5.0 MHz
-2 dB
32 fps

- 1 D 47.9 mm
- 2 D 49.9 mm
- 3 D 45.6 mm
- 4 D 37.7 mm
- 5 D 34.9 mm
- 6 D 36.5 mm



Editing and update a measurement

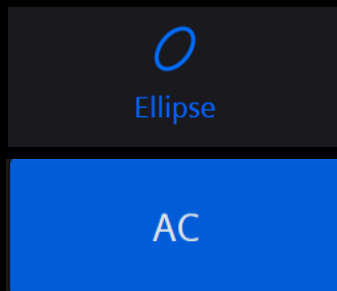
Ellipse manipulation



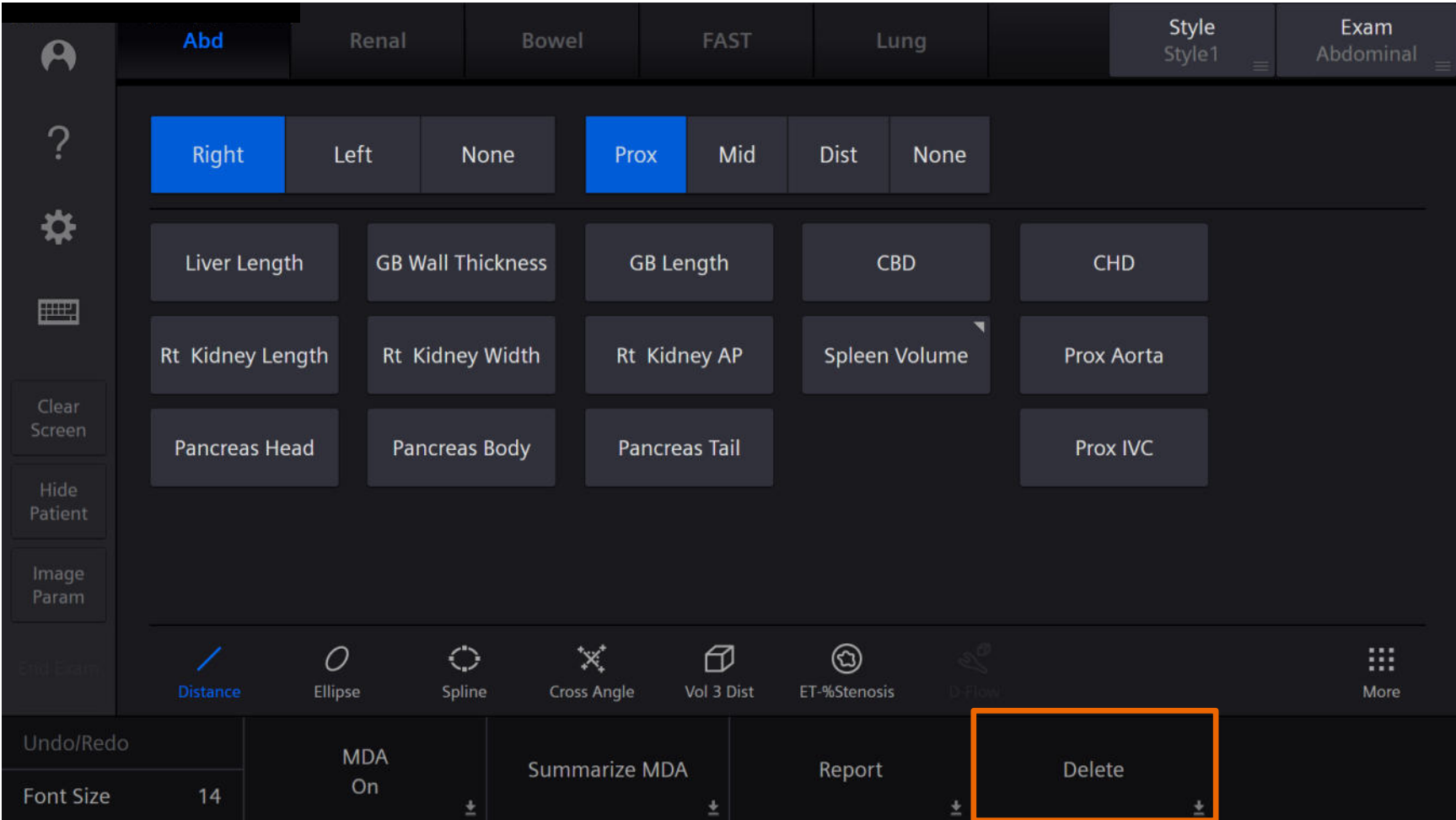
Activate caliper – choose generic or labeled ellipse

Select **Set** key to anchor point(s) and trackball to expand ellipse

Select **Edit** key to toggle between all points to alter shape/size



Deleting a measurement



Deleting a measurement

The screenshot displays a software interface for medical measurements. At the top, there are tabs for 'Renal', 'Bowel', 'FAST', 'Lung', and 'Exam Abdominal'. Below these, a grid of measurement categories is shown, with 'Right' and 'Prox' highlighted in blue. The 'Prox' category is further divided into 'Mid' and 'Dist'. The main area contains various measurement buttons such as 'Liver Length', 'GB Wall Thickness', 'GB Length', 'CBD' (with a value of 4.20 mm), 'CHD', 'Rt Kidney Length', 'Rt Kidney Width', 'Rt Kidney AP', 'Spleen Volume', 'Prox Aorta', 'Pancreas Head', 'Pancreas Body', 'Pancreas Tail', and 'Prox IVC'. A vertical toolbar on the left includes icons for user profile, help, settings, keyboard, and buttons for 'Clear Screen', 'Hide Patient', 'Image Param', and 'End Exam'. At the bottom, a toolbar contains icons for 'Distance', 'Ellipse', 'Spline', 'Cross Angle', 'Vol 3 Dist', 'ET-%Stenosis', and 'More'. A bottom status bar, highlighted with an orange border, contains the following elements: 'Undo/Redo' with a count of 14, 'Delete' with a dropdown arrow, 'Delete All' with a dropdown arrow, and 'Select Next' with a dropdown arrow.

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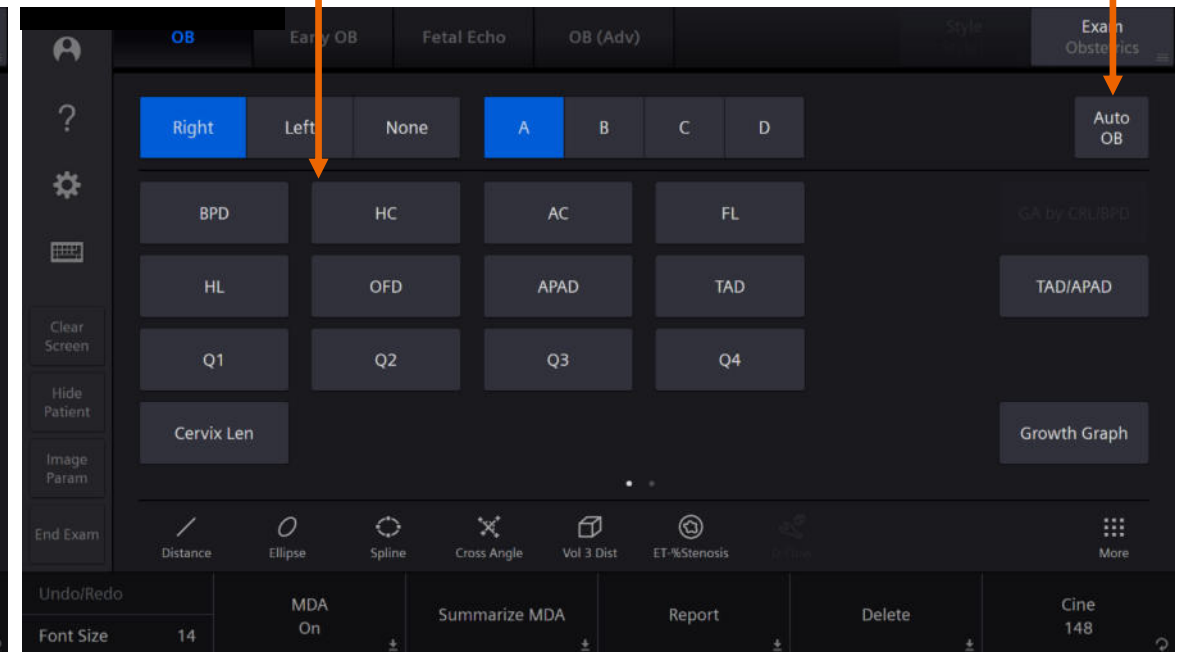
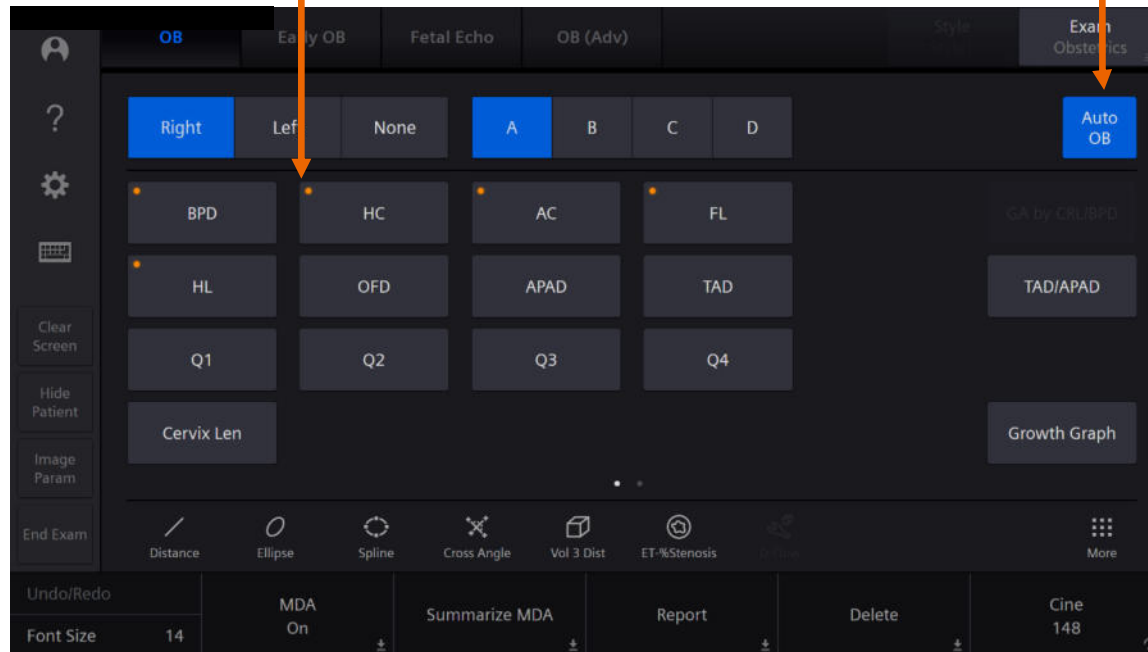
syngo Auto OB measurements on/off

Orange dot indicates
Auto OB is ON

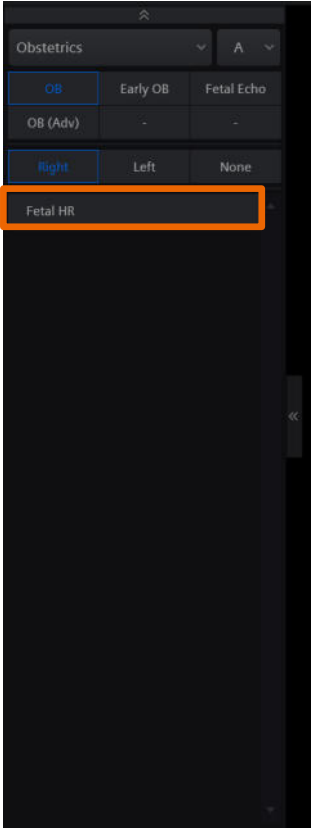
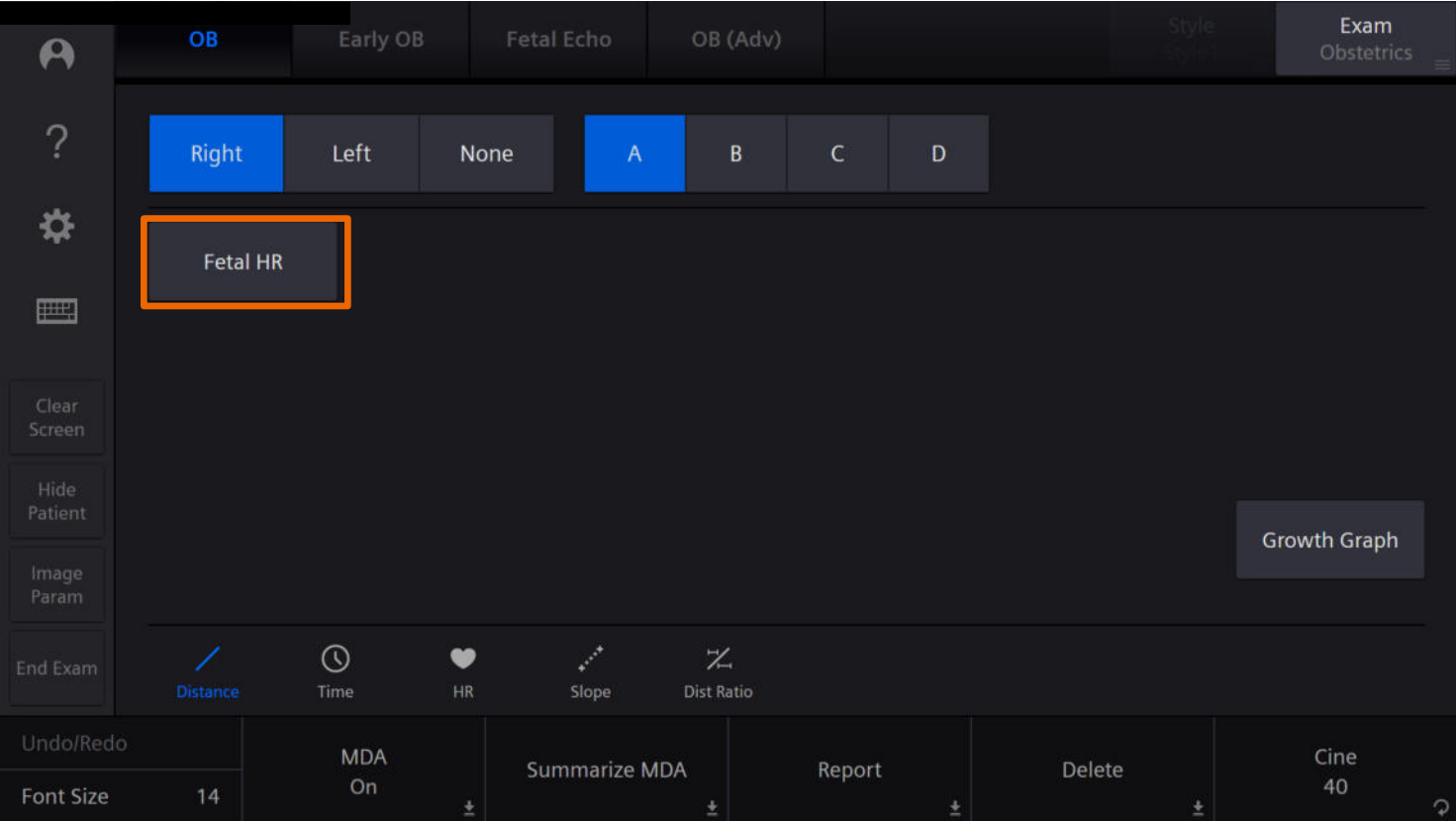
Auto OB key is
blue when ON

No orange dot indicates
Auto OB is OFF

Auto OB key is
grey when OFF



OB M-mode fetal heart rate



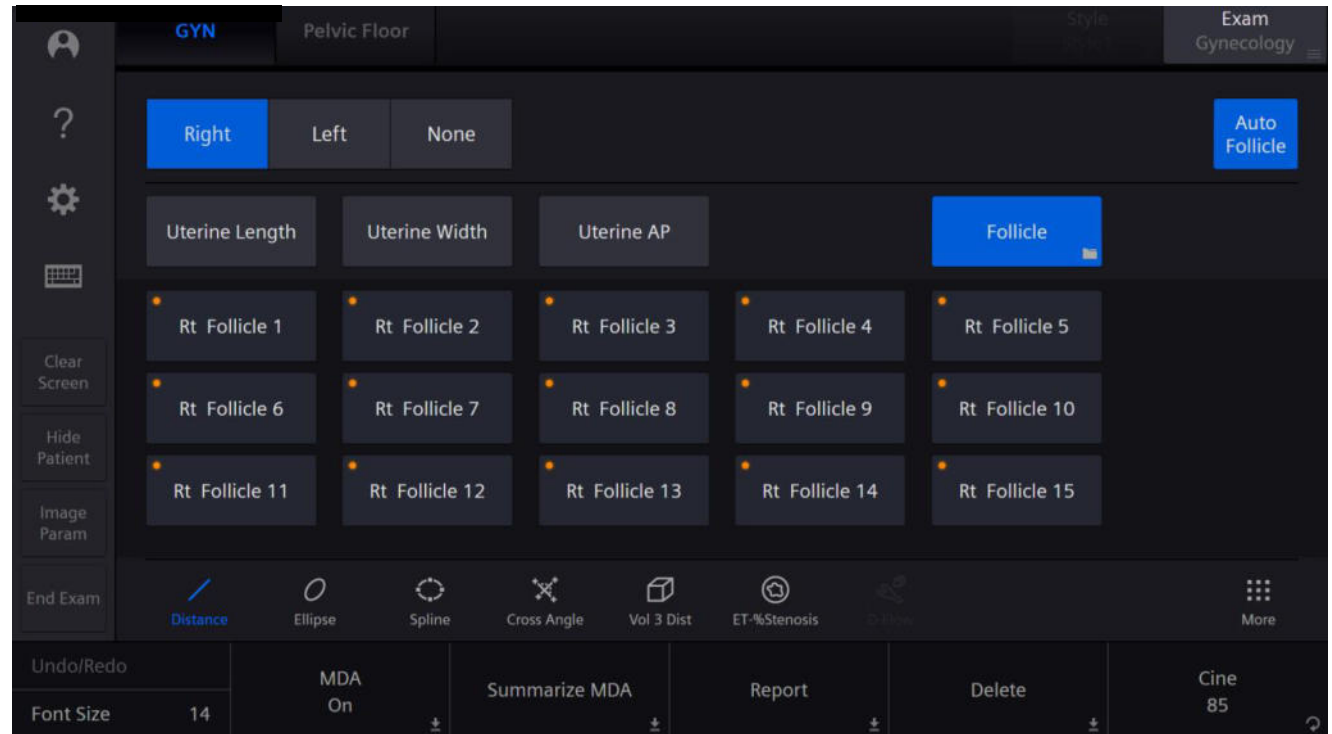
syngo Auto Follicle

Gyn exam preSet

To perform an Auto Follicle measurement:

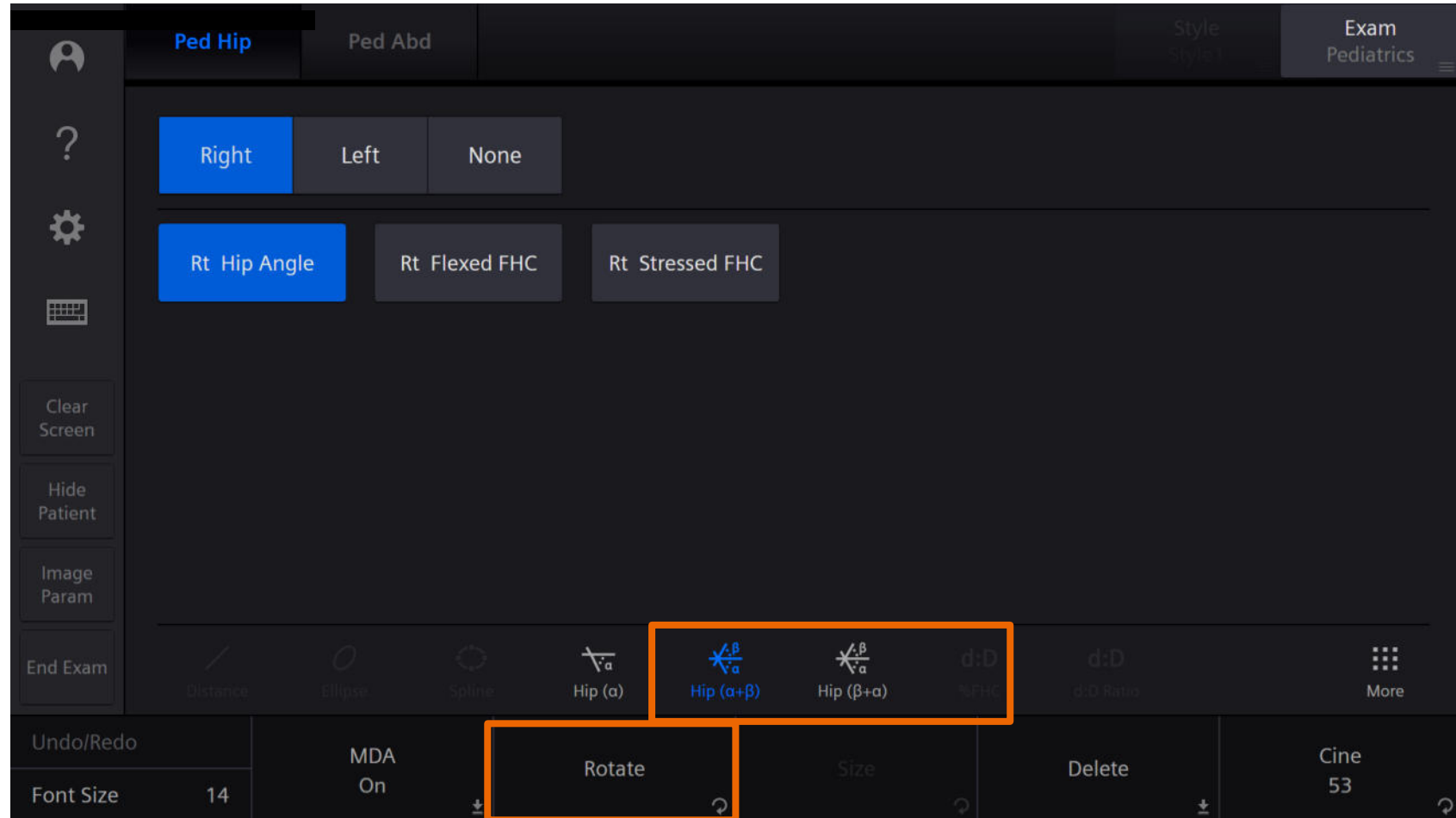
1. Tap the required measurement label on the touch screen
2. Roll the trackball to position the measurement marker and then press Set. The system will trace the borders of the follicle
3. Press Set to confirm the measurement
4. Repeat steps 2 and 3 for each follicle

Please note: This feature is only available in gynecology exams



Pediatric Hip measurement: Hip ($\alpha+\beta$), Hip ($\beta+\alpha$), Hip (α)

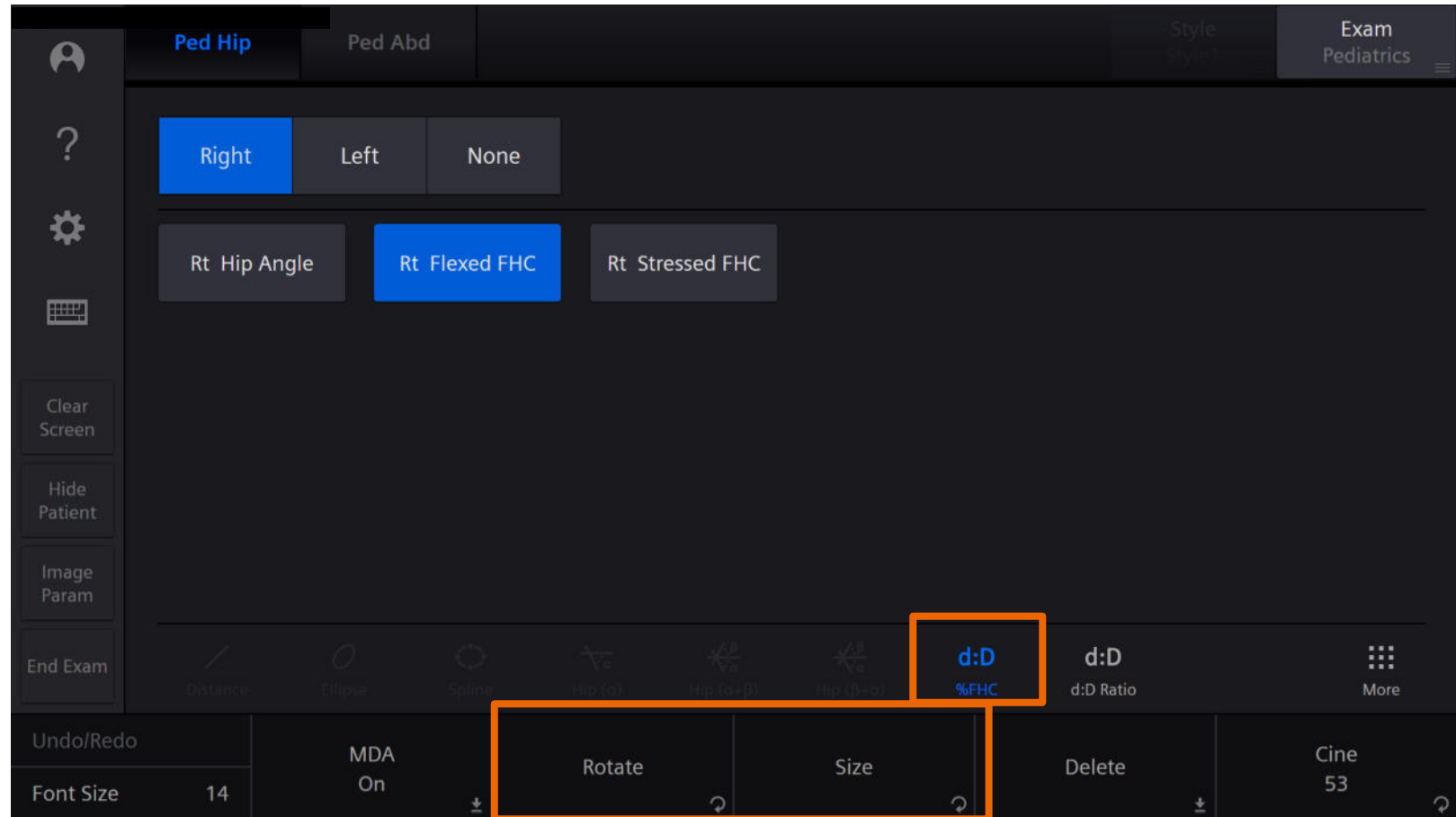
Tools for Pediatric Hip



Pediatric Hip measurement: Femoral Head Coverage (FHC)

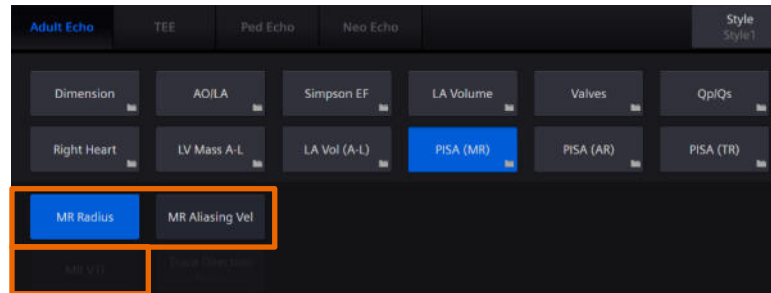
Tool: %FHC

- %FHC tool is the default measurement
- The user can rotate the baseline and adjust the size of the ellipse

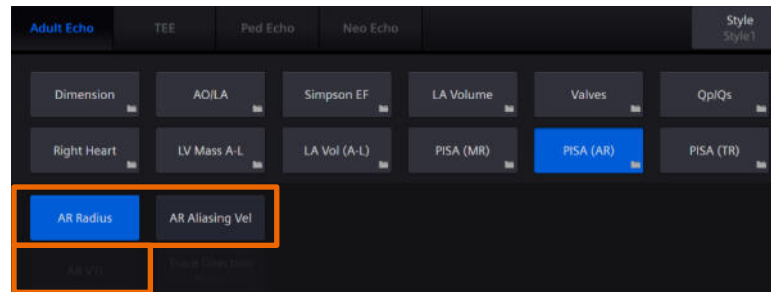


Proximal isovelocity surface area (PISA) measurement package

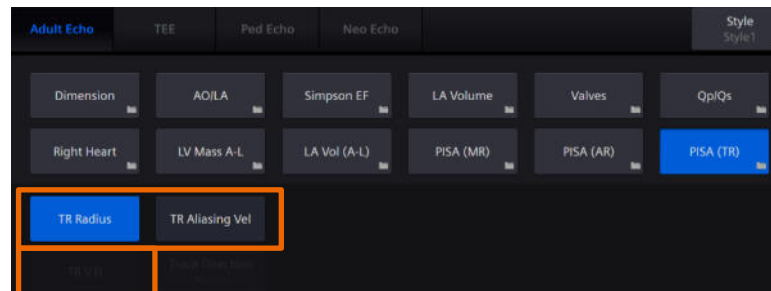
- Mitral regurgitation



- Aortic regurgitation



- Tricuspid regurgitation



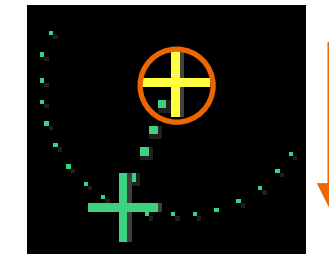
Enhanced measurement tool for PISA radius

The enhanced PISA radius tool displays like a bow

- Tool allows up or down measurement
- Assists in identifying caliper direction
- Ease of measuring color Doppler flow convergence from point of leaflet coaptation to point of color Doppler aliasing (hemisphere)



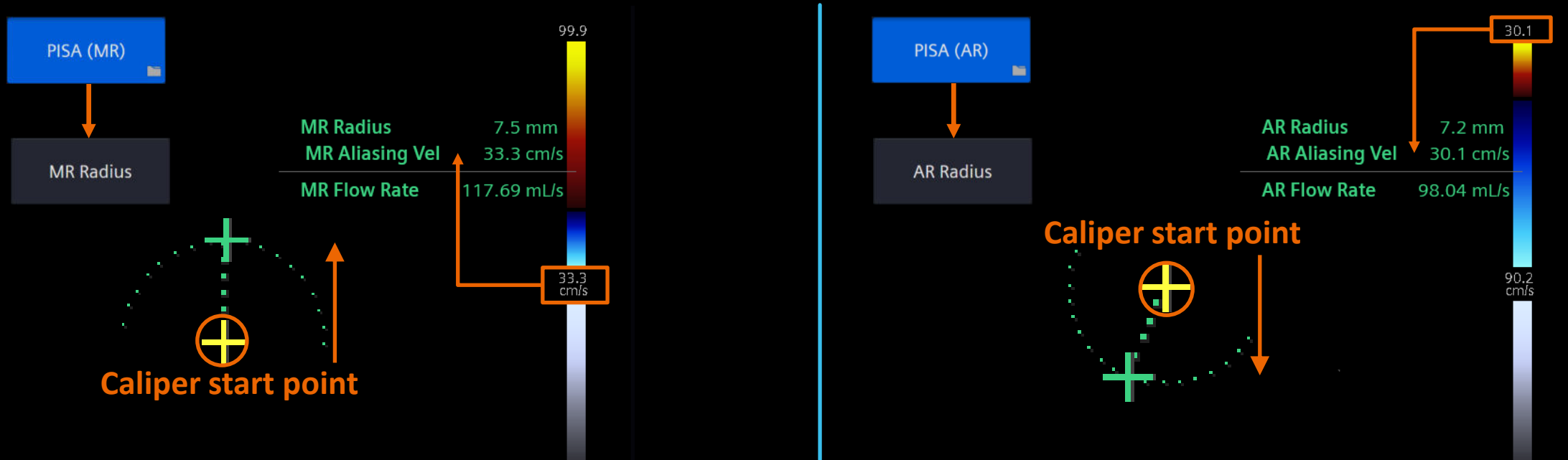
Caliper start point



Enhanced measurement tool for PISA radius

Automated PISA velocity

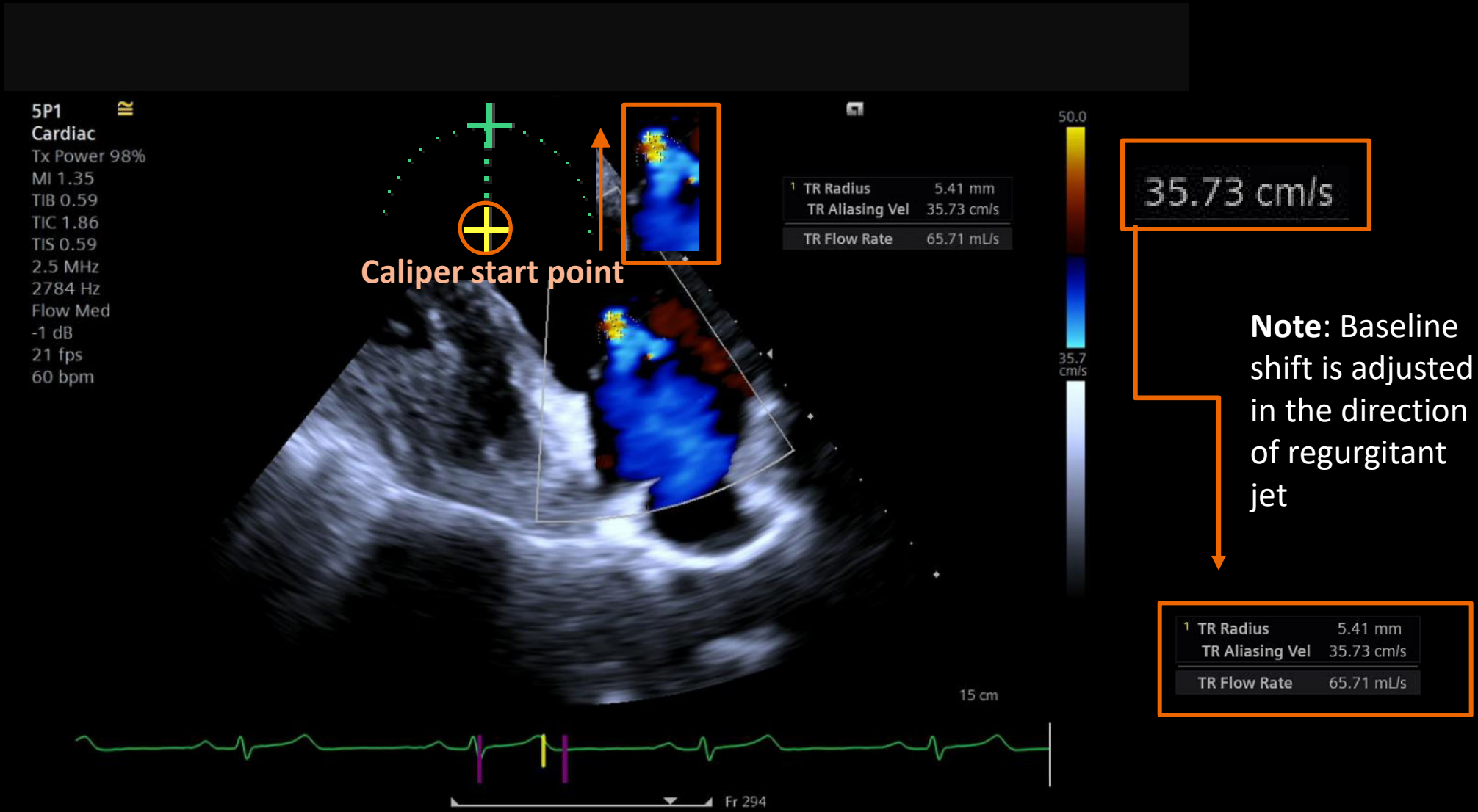
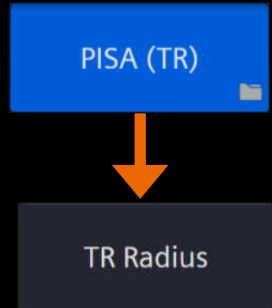
Aliasing velocity value can be obtained automatically when measuring with the PISA Radius label while in color Doppler



Note: Baseline shift should be adjusted in direction of regurgitant jet

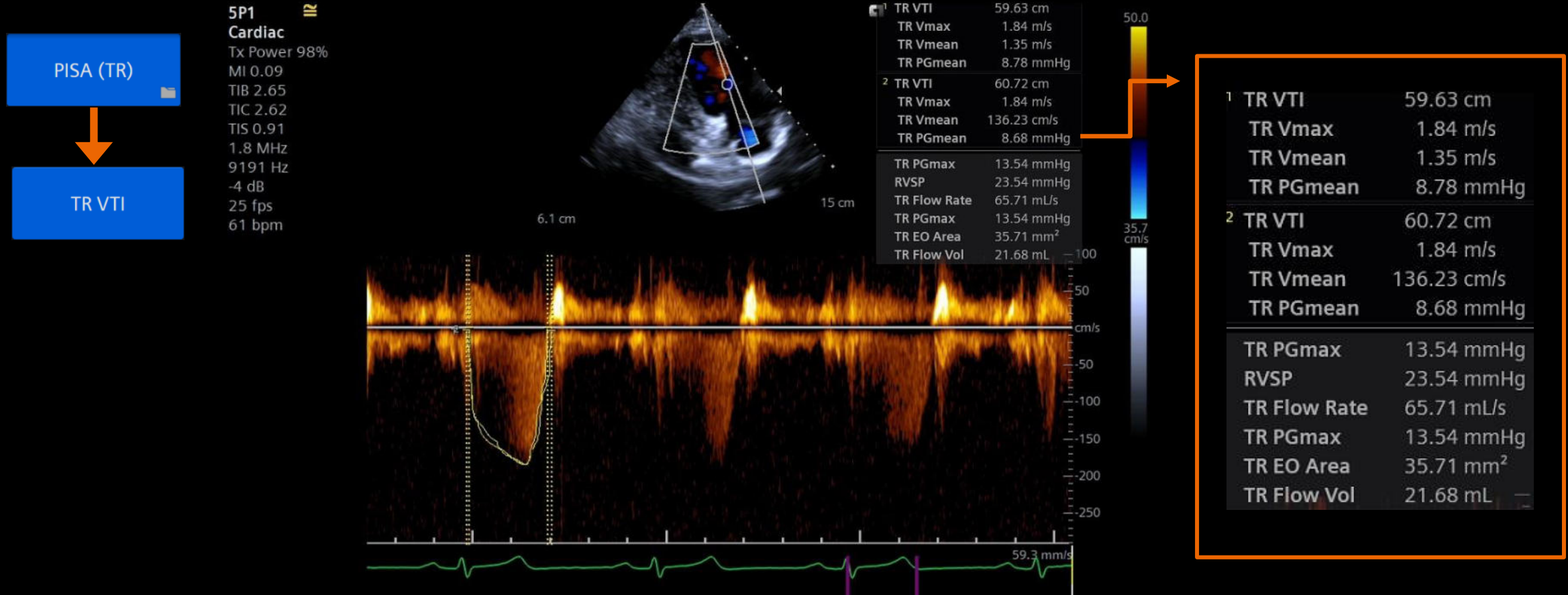
Performing PISA tricuspid regurgitation (TR) example

Enhanced PISA radius tool



Performing PISA tricuspid regurgitation (TR) example

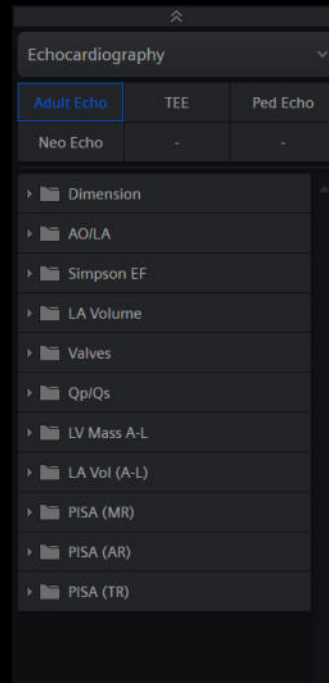
Measuring velocity time integral (VTI)



Manual PISA radius velocity

Aliasing velocity value can also be entered manually

- Select the **Aliasing Vel** label
- Manually enter color Doppler scale's baseline shift value



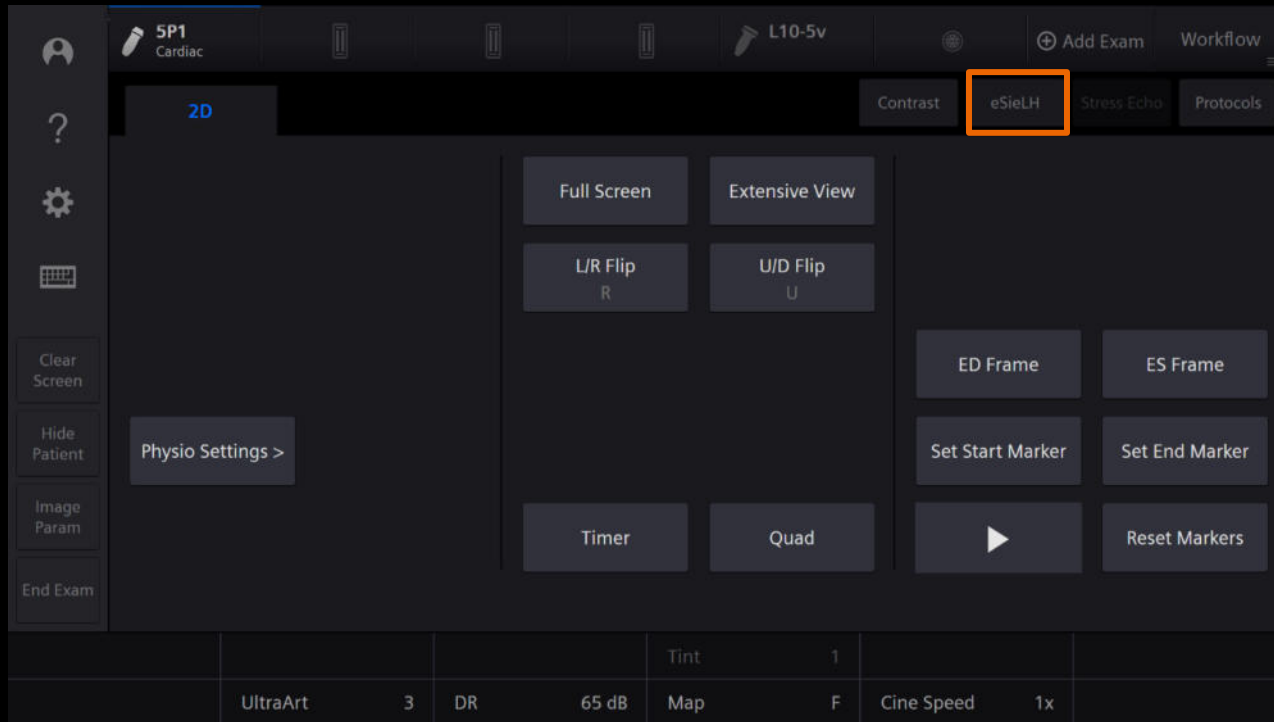
PISA (MR)

MR Aliasing Vel

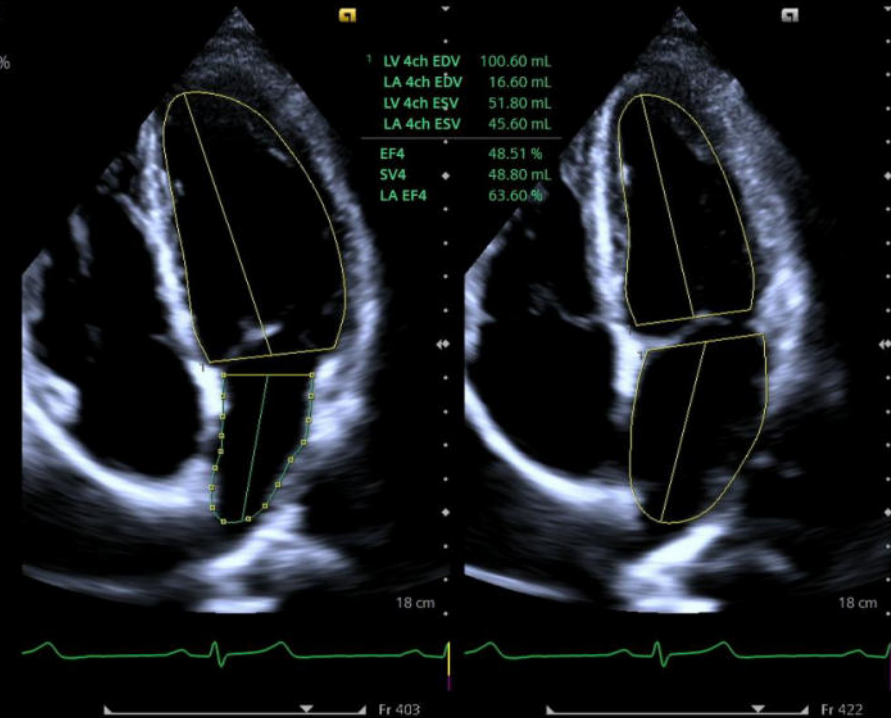
5P1 Cardiac
Tx Power 98%
MI 1.06
TIB 0.67
TIC 2.41
TIS 0.67
UA 5
DR 61 dB
H 3.7 MHz
0 dB
52 fps
0 bpm



eSie Left Heart measurement package



5P1
Cardiac
Tx Power 98%
MI 0.99
TIB 0.55
TIC 1.76
TIS 0.55
UA 4
DR 61 dB
H 4.0 MHz
3 dB
51 fps
57 bpm



Please note: This feature is only available during live imaging and requires an ECG signal

eSie Left Heart measurement package

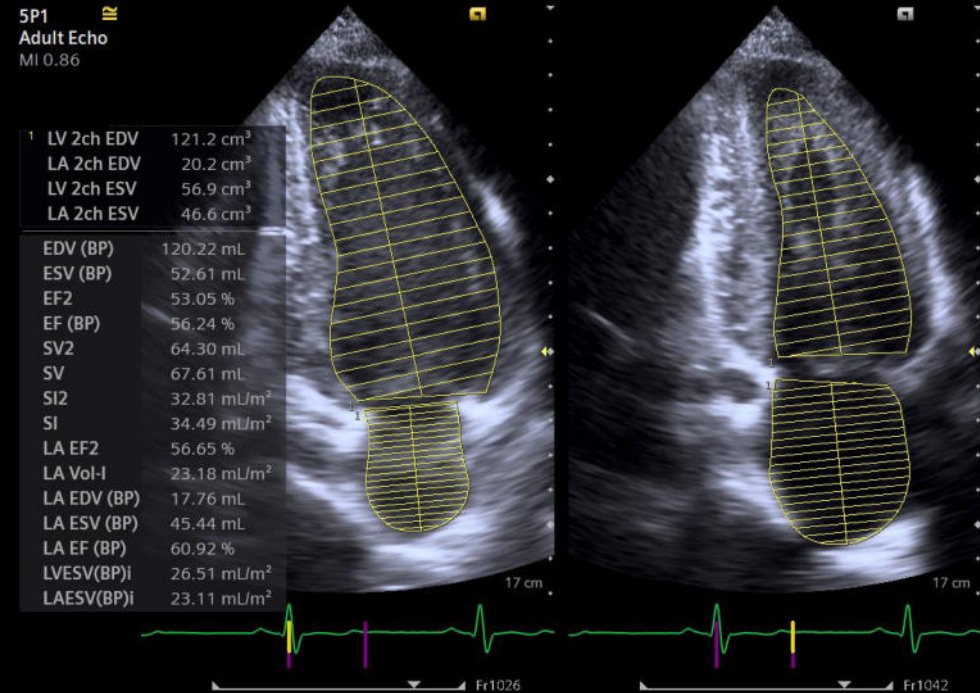
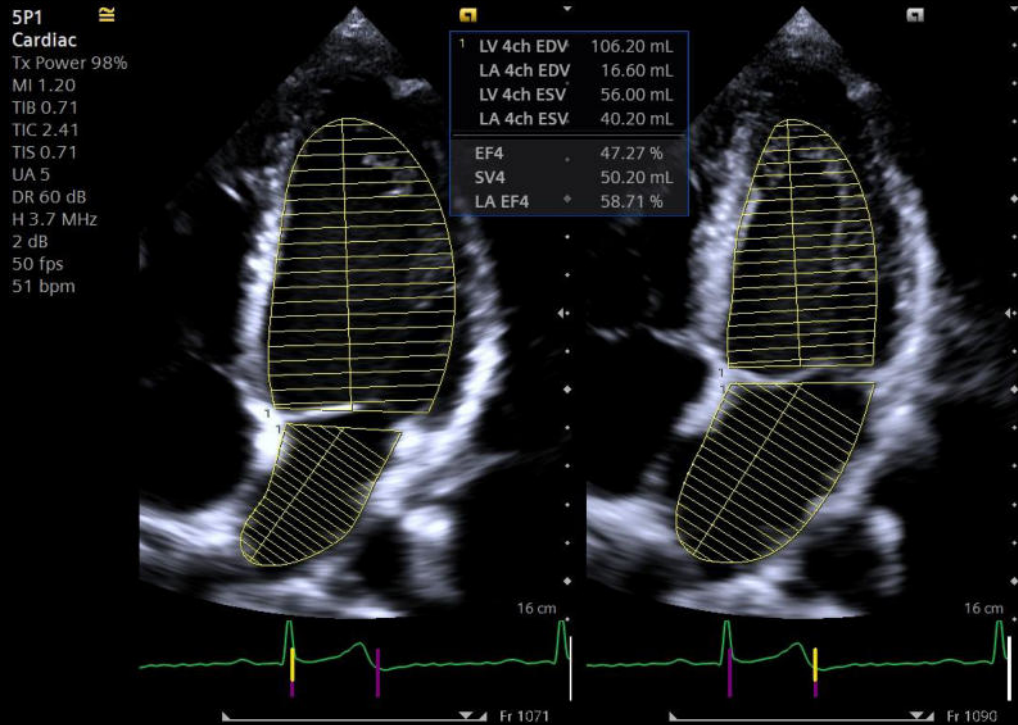
Auto chamber detection



Please note: This feature is only available during live imaging and requires an ECG signal

eSie Left Heart measurement package

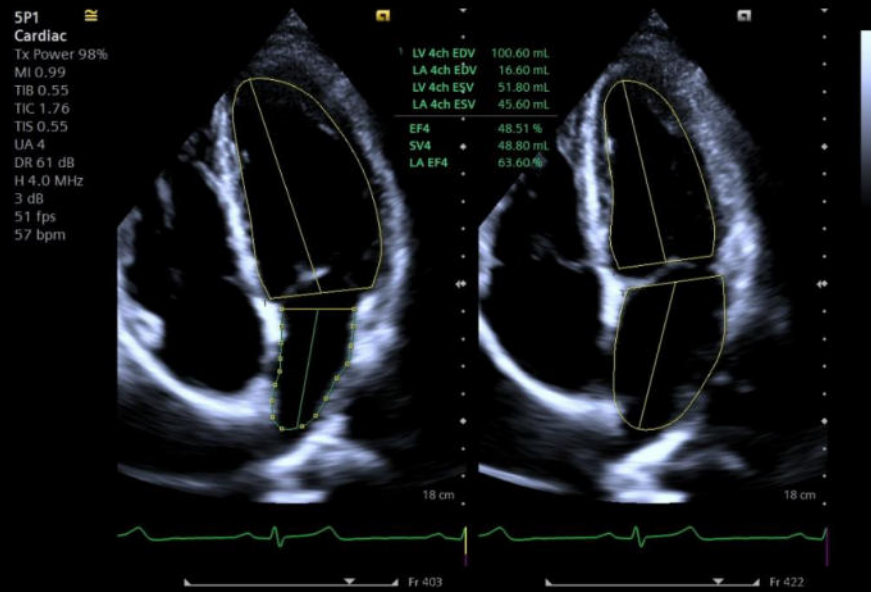
Auto view recognition



Please note: This feature is only available during live imaging and requires an ECG signal

eSie Left Heart measurement package

Auto view recognition



eSieLH

Previous frame Set ED Next frame Previous frame Set ES Next frame

4CH 2CH

ED frame LV 4ch EDV LV 4ch ESV ES frame

LA 4ch EDV LA 4ch ESV

LV 2ch EDV LV 2ch ESV

LA 2ch EDV LA 2ch ESV

Exit Edit

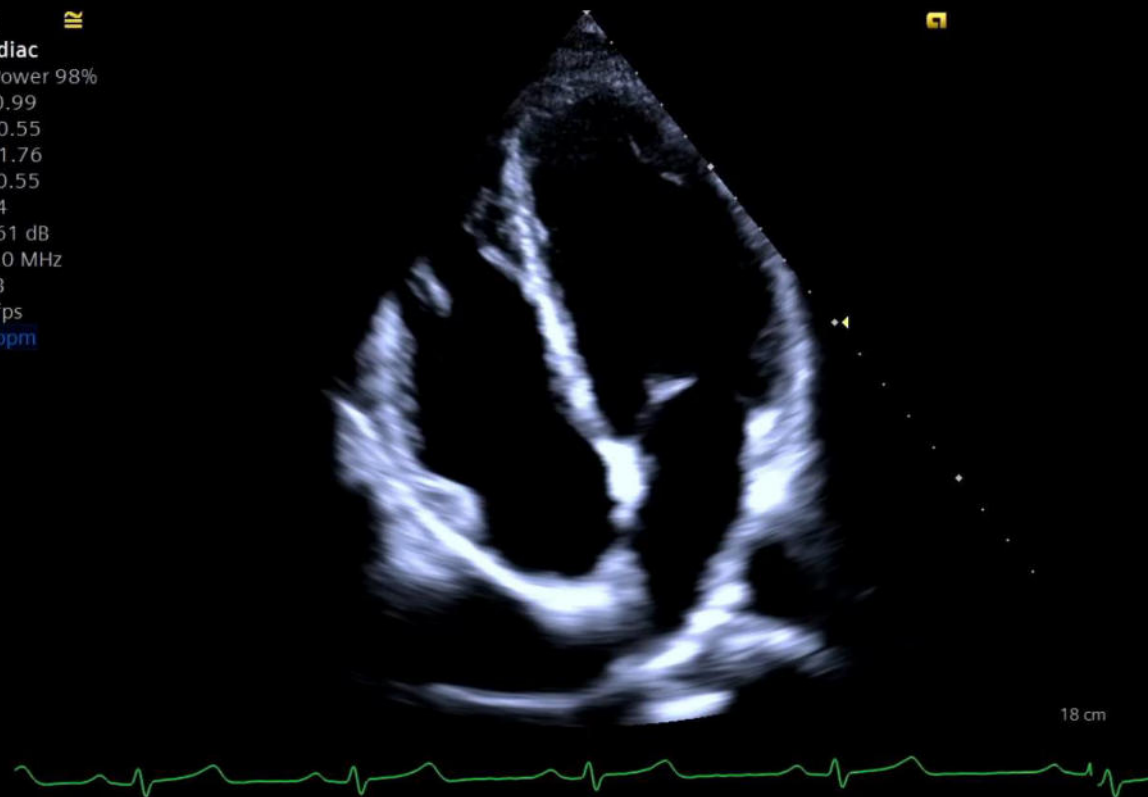
Clear Screen
Hide Patient
Image Param
End Exam

Please note: This feature is only available during live imaging and requires an ECG signal

eSie Left Heart measurement package

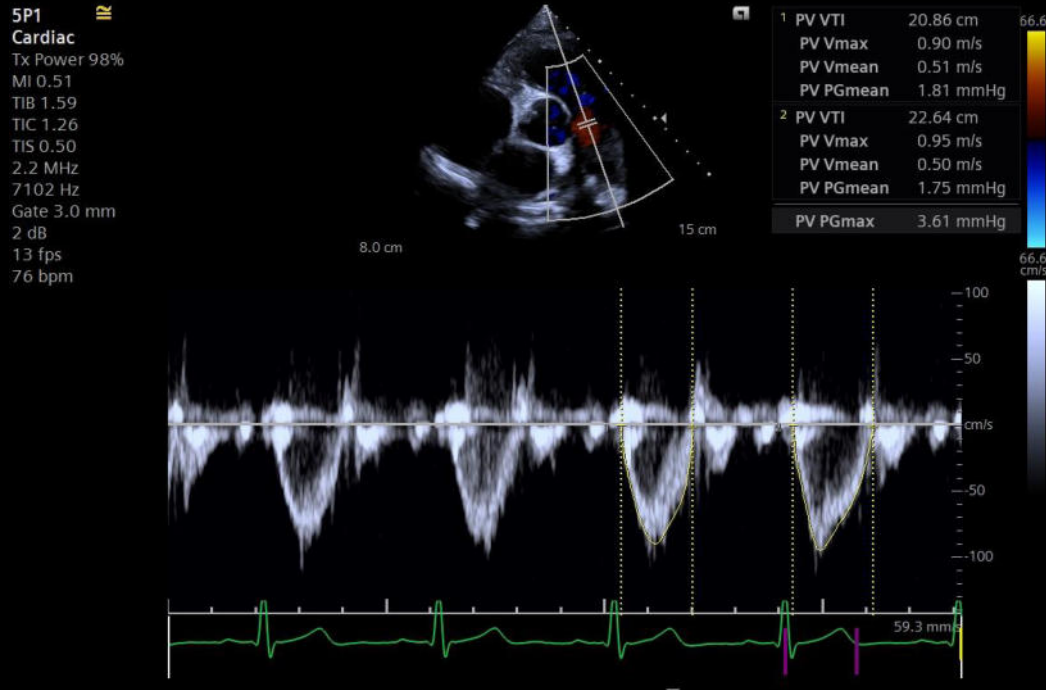
Workflow example

5P1 **IR**
Cardiac
Tx Power 98%
MI 0.99
TIB 0.55
TIC 1.76
TIS 0.55
UA 4
DR 61 dB
H 4.0 MHz
3 dB
51 fps
68 bpm



VTI/trace measurements

Cardiac exam preSet

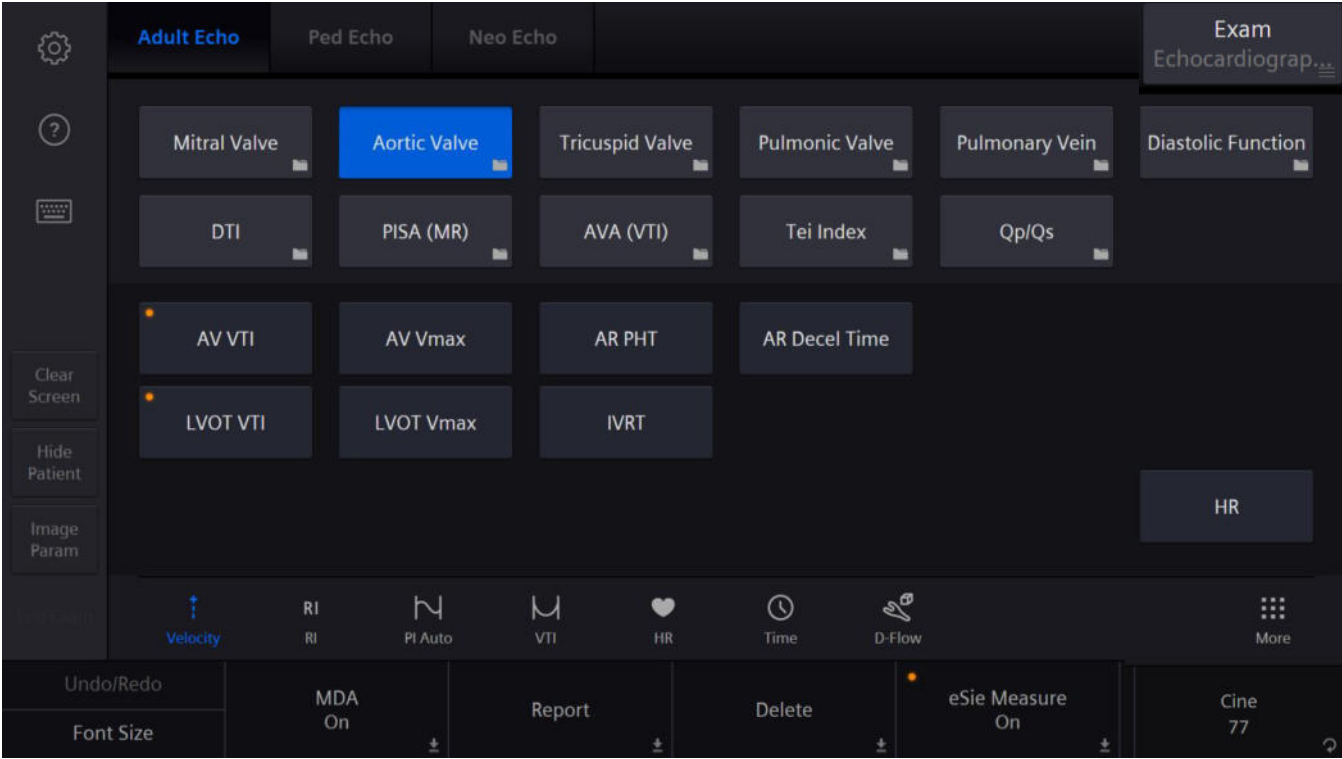
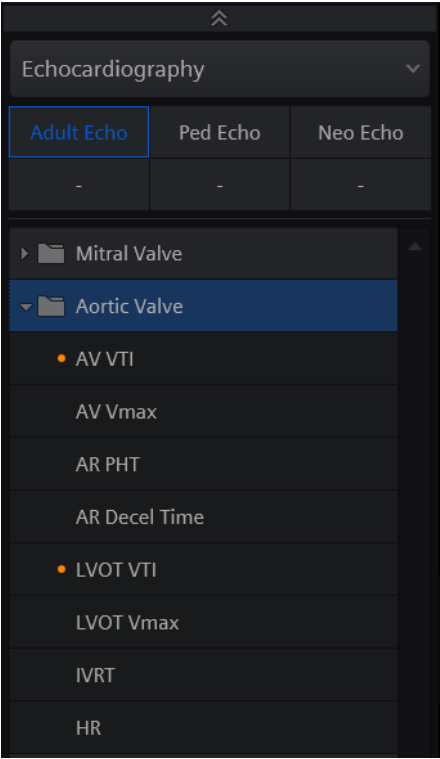


Undo/Redo Delete Delete All Select Next

Note: Measurement results are not removed from the report when you delete a completed labeled measurement from the image screen.

eSie Measure workflow acceleration package

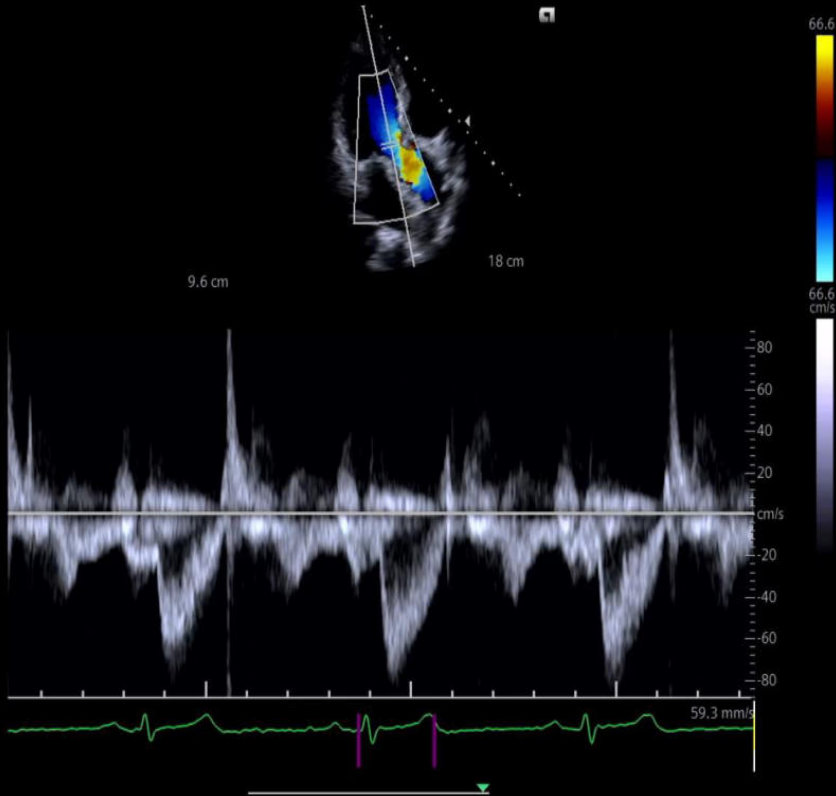
Cardiac exam preSet



Please note: This feature is only available during live imaging and requires an ECG signal

eSie Measure workflow

5P1 **IR**
Cardiac
Tx Power 98%
MI 0.99
TIB 0.55
TIC 1.76
TIS 0.55
UA 4
DR 61 dB
H 4.0 MHz
3 dB
51 fps
57 bpm



1

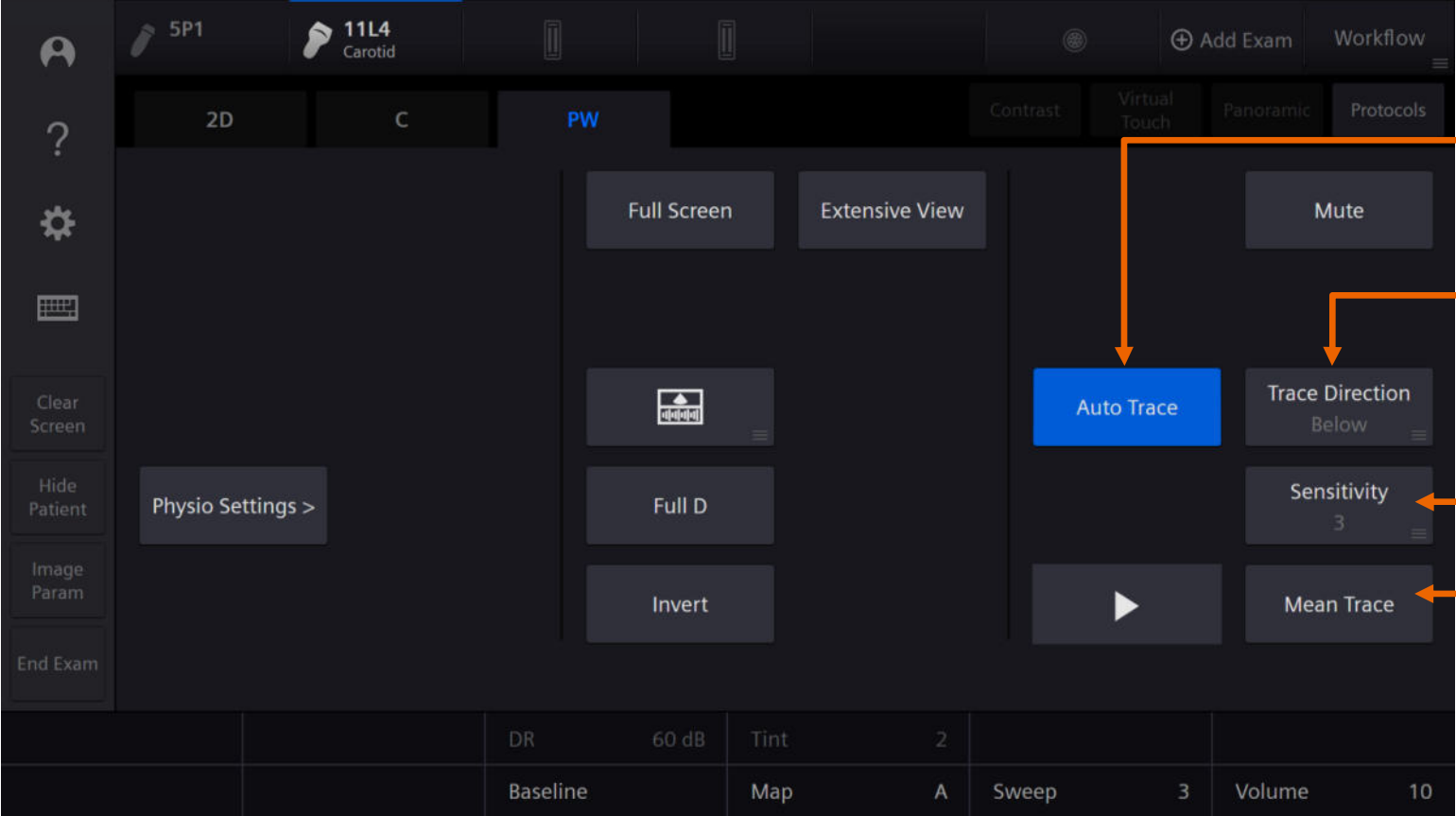
Cardiac	TEE	Ped Echo	Neo Echo	Style	Exam
Mitral Valve	Aortic Valve	Tricuspid Valve	Pulmonic Valve	Pulmonary Vein	Tei Index
DTI (MV)	DTI (RV)	AVA (VTI)	PISA (MR)	PISA (AR)	PISA (TR)
AV VTI 28.72 cm	AV Vmax 1.32 m/s	AR PHT	AR Decel Time		
LVOT VTI	LVOT Vmax	IVRT			

4



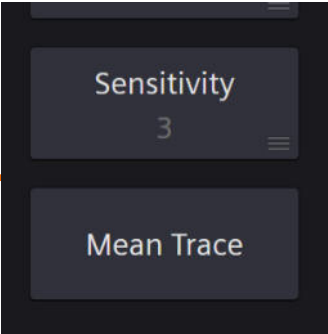
2

Auto Trace feature



Auto Trace on/off

Trace Direction

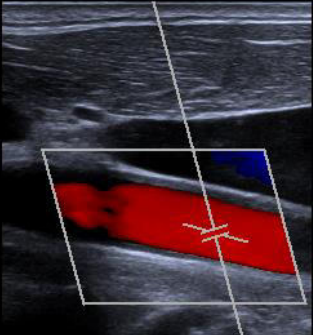


Options available when on

Auto Trace feature

11L4
Carotid
Tx Power 98%
MI 0.71
TI 1.34
TIC 0.41
TIS 0.22
4.0 MHz
7102 Hz
Gate 1.5 mm
0 dB
25 fps
72 bpm
Zoom 1.2

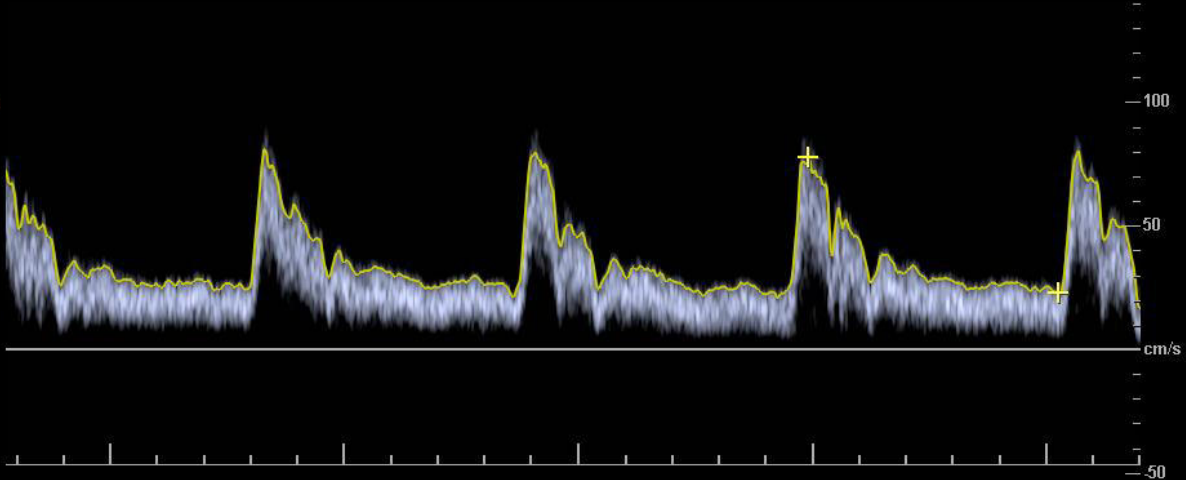
60°
27 mm



4 cm



PI = 1.54
RI = 0.71
S/D = 3.44
PS = 77.3 cm/s
ED = 22.5 cm/s
TAmx = 35.5 cm/s

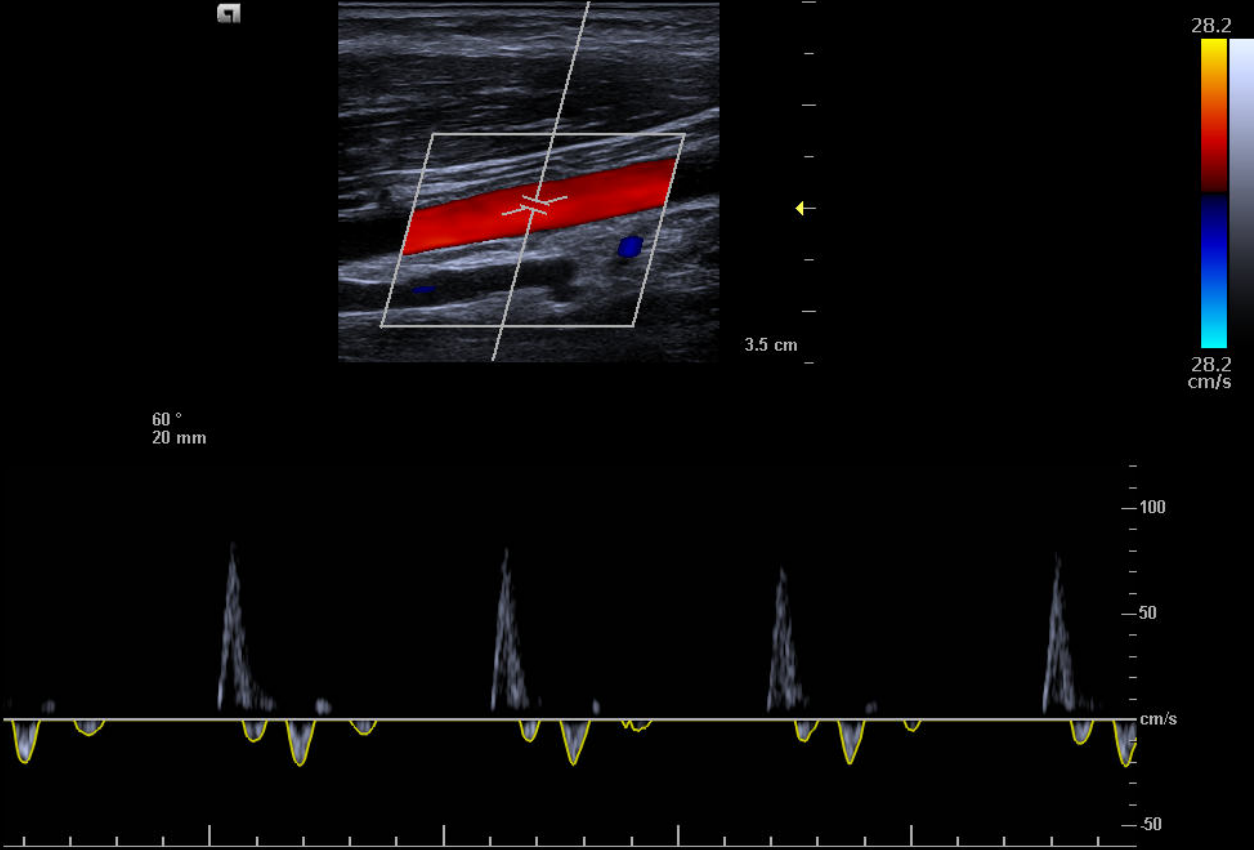


Trace Direction
Above

Auto Trace feature

1114
Carotid
Tx Power 50%
MI 0.71
TI 1.34
TR 0.41
TS 0.27
4.0 MHz
7102 Hz
Gate 1.3 mm
0 mm
73 bpm
72 bpm
Zoom 1.2

PI =
RI =
S/D =
PS =
ED =
TAmx =



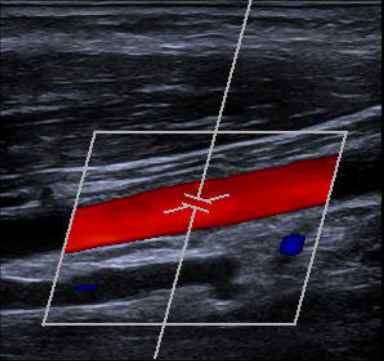
Trace Direction
Below

Auto Trace feature

1114
Carotid
Tx Power 88%
MI 0.71
TI 1.34
TC 0.41
TS 0.27
4.0 MHz
7102 AU
Gate 1.5 mm
0.00
73 fps
73 bpm
Zoom 1.2

PI = 15.00
RI = 1.00
S/D = xx
PS = 73.2 cm/s
ED = 0.0 cm/s
TAmx = 4.9 cm/s

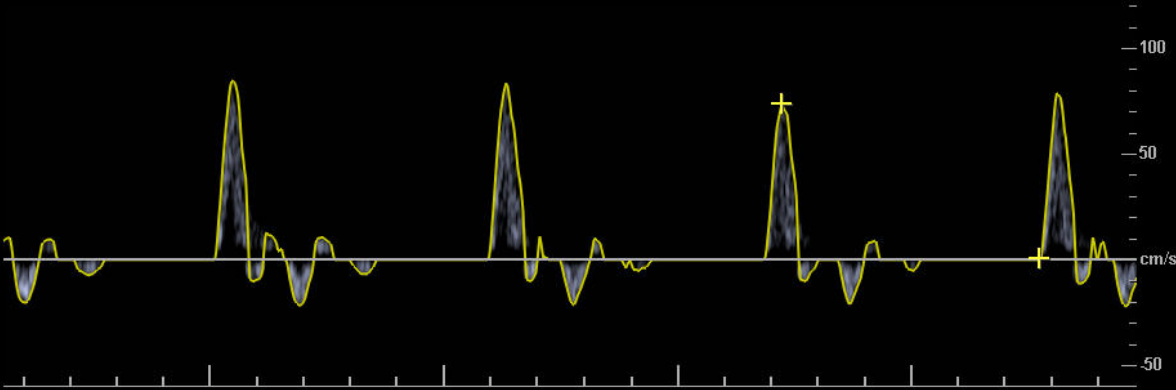
60°
20 mm



3.5 cm



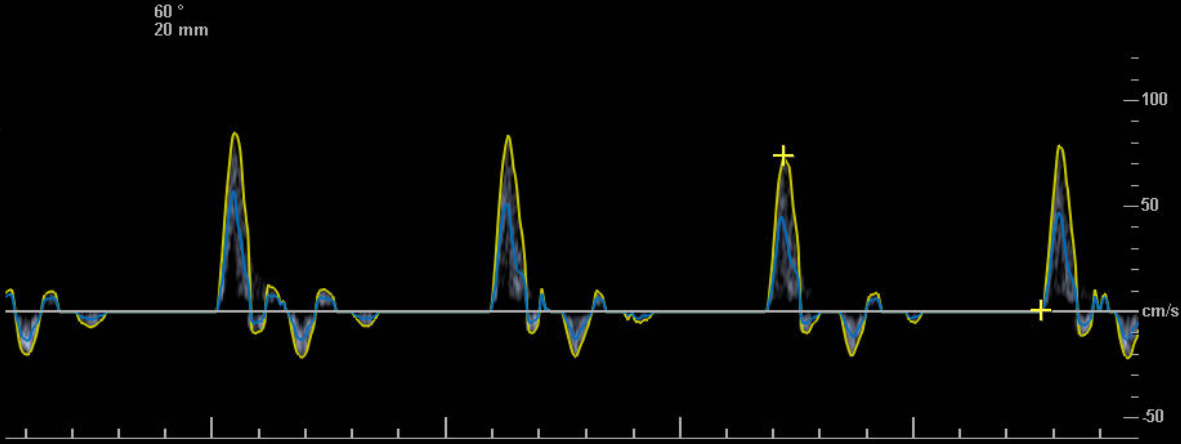
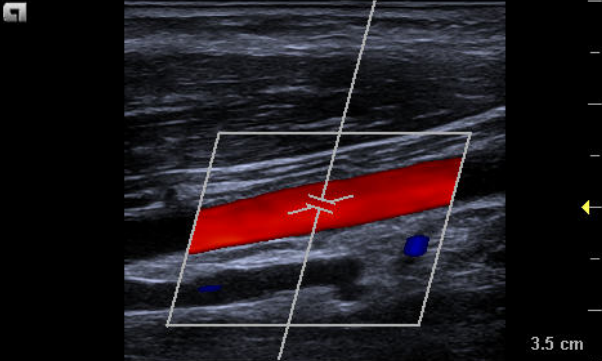
Trace Direction
Both



Auto Trace feature

11L4
Carotid
Tx Power 98%
MI 0.71
TI 1.34
TIC 0.41
TIS 0.22
4.0 MHz
7102 Hz
Gate 1.5 mm
0 dB
25 fps
72 bpm
Zoom 1.2
Zoom 1.2

PI = 15.00
RI = 1.00
S/D = xx
PS = 73.2 cm/s
ED = 0.0 cm/s
TAm_{ax} = 4.9 cm/s
TAm_{ean} = 3.0 cm/s



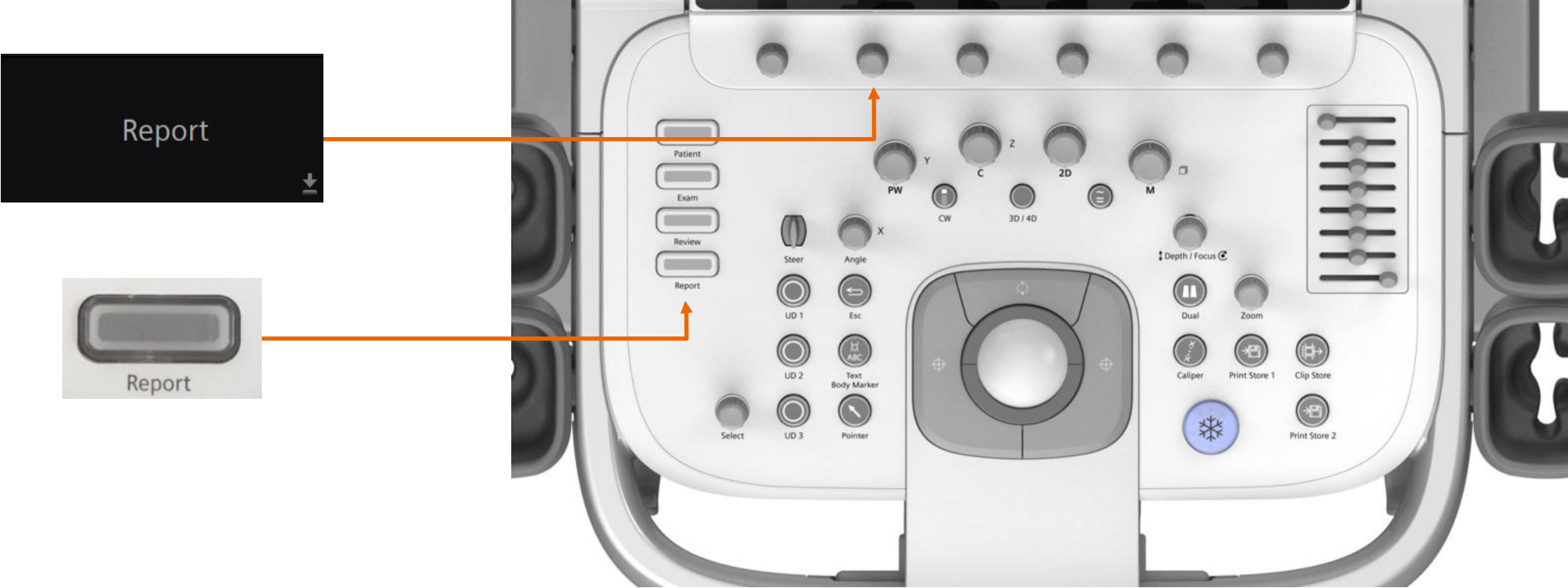
Mean Trace

Objectives

- Explain measurement access and screen information
- Illustrate display customizations
- Describe measurement labeling and accessing alternate calculation packages
- Identify the Measurement Display Area and onscreen options
- Explain editing and deleting measurements
- Discuss exam specific measurements
- **Examine Report access and printing**



Report access



Report layout

Report type → Carotid

Section navigation pane → Exam Specific Information, D Mode Measurement, Carotid Assessment, Images, Comments

Hide section option → [Upward arrow]

Method options → [Downward arrow]

Print/export options → Print Preview, Export PDF, Print Report, Store Report

Patient demographics → Patient Name, Patient Number, ACUSON, Date

Max # of displayed values → [Upward arrow]

Scroll report → [Upward arrow]

Stored report thumbnail → [Upward arrow]

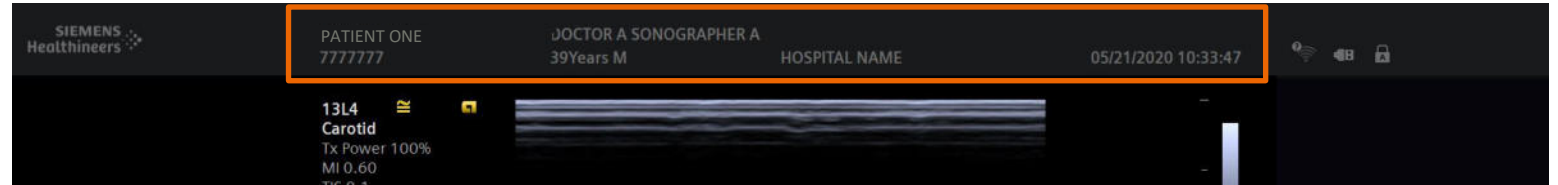
Label	Method	Value	V1	V2	V3	V4	V5
Rt Prox CCA (RI)							
RI	Last	0.65	0.65				
S/D	Last	2.83	2.83				
PS	Last	73.1 cm/s	73.1				
ED	Last	25.8 cm/s	25.8				
Lt Prox CCA (RI)							
RI	Last	0.68	0.66	0.68			
S/D	Last	3.08	2.98	3.08			
PS	Last	67.9 cm/s	70.7	67.9			
ED	Last	22.1 cm/s	23.7	22.1			
Rt Prox ICA (RI)							
RI	Last	0.54	0.54				
S/D	Last	2.15	2.15				

Report banner

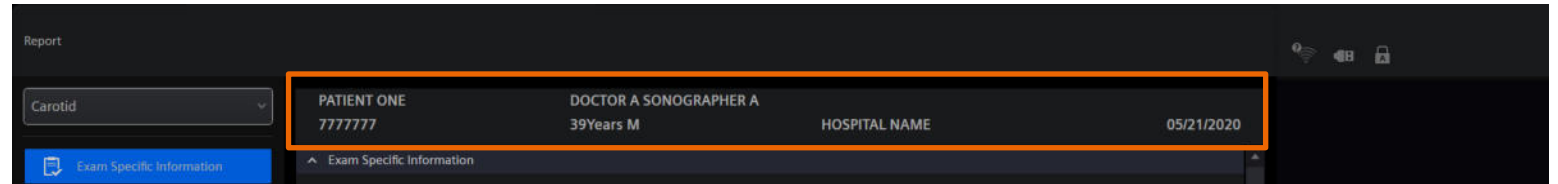
Hide option (System Configuration > General 2)

Not Hidden

Imaging mode

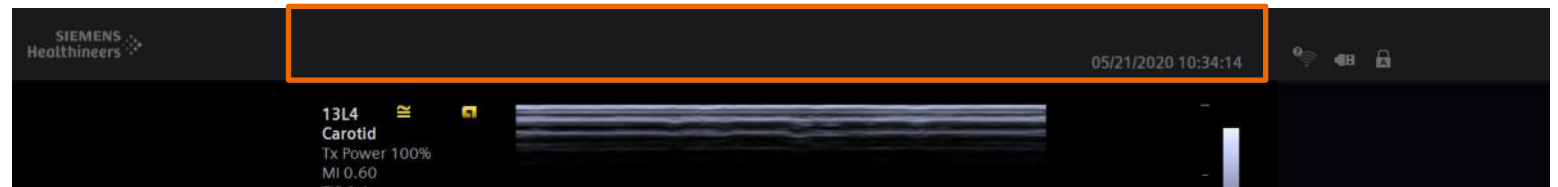


Report display

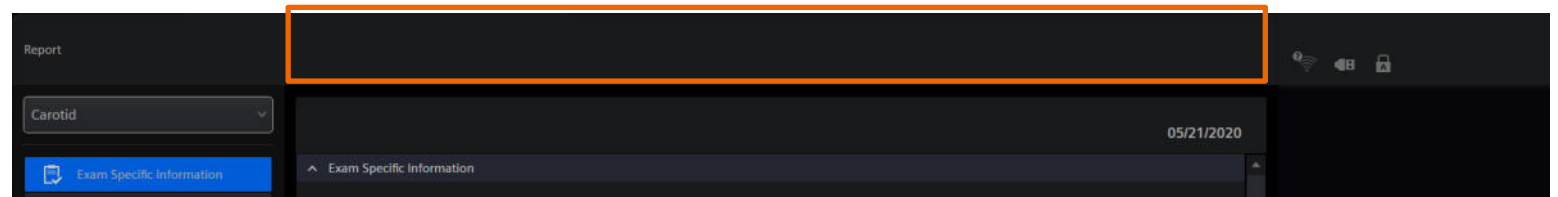


Hidden

Imaging mode



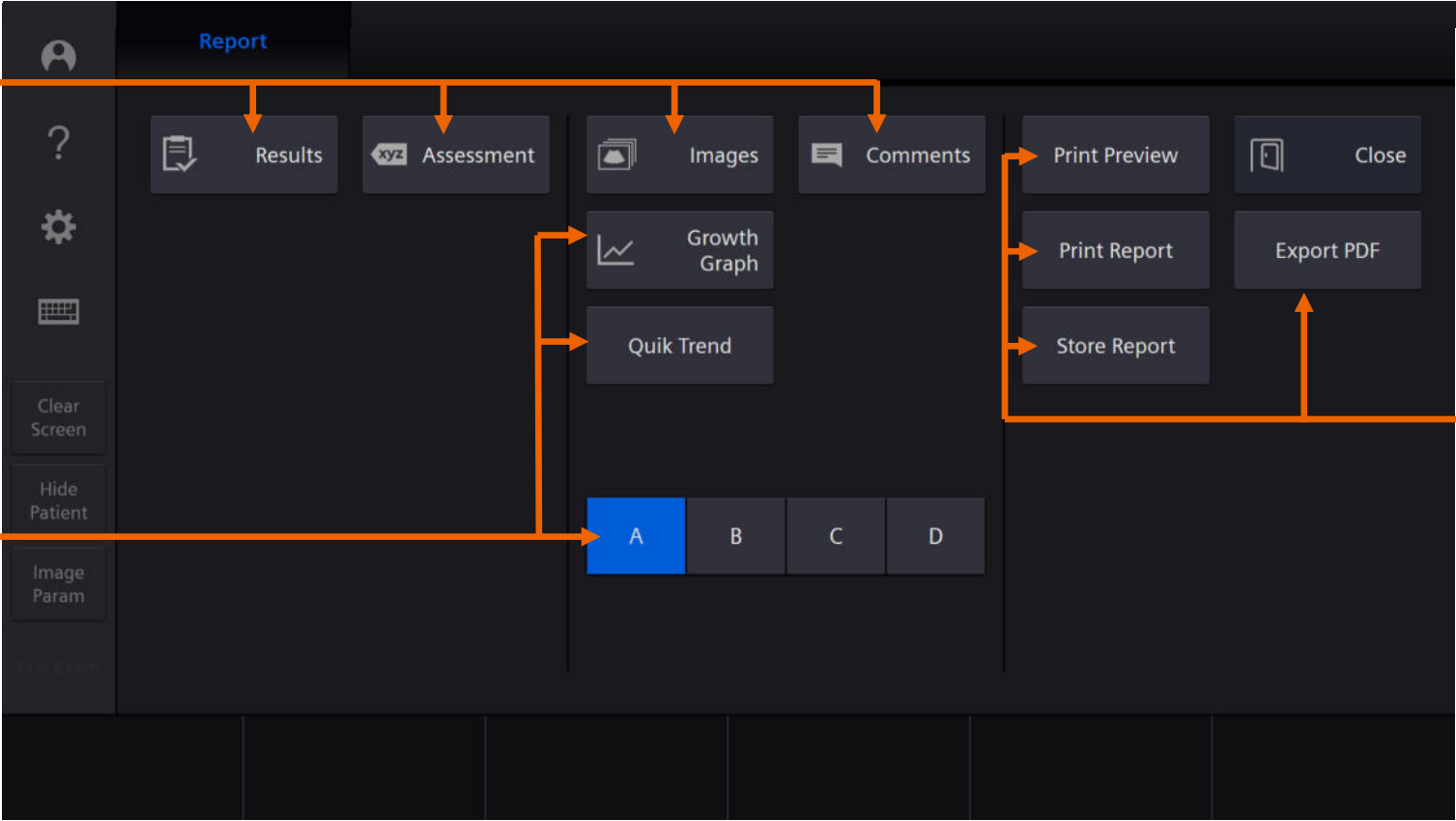
Report display



Touch screen layout

Navigation
soft keys

OB report
options

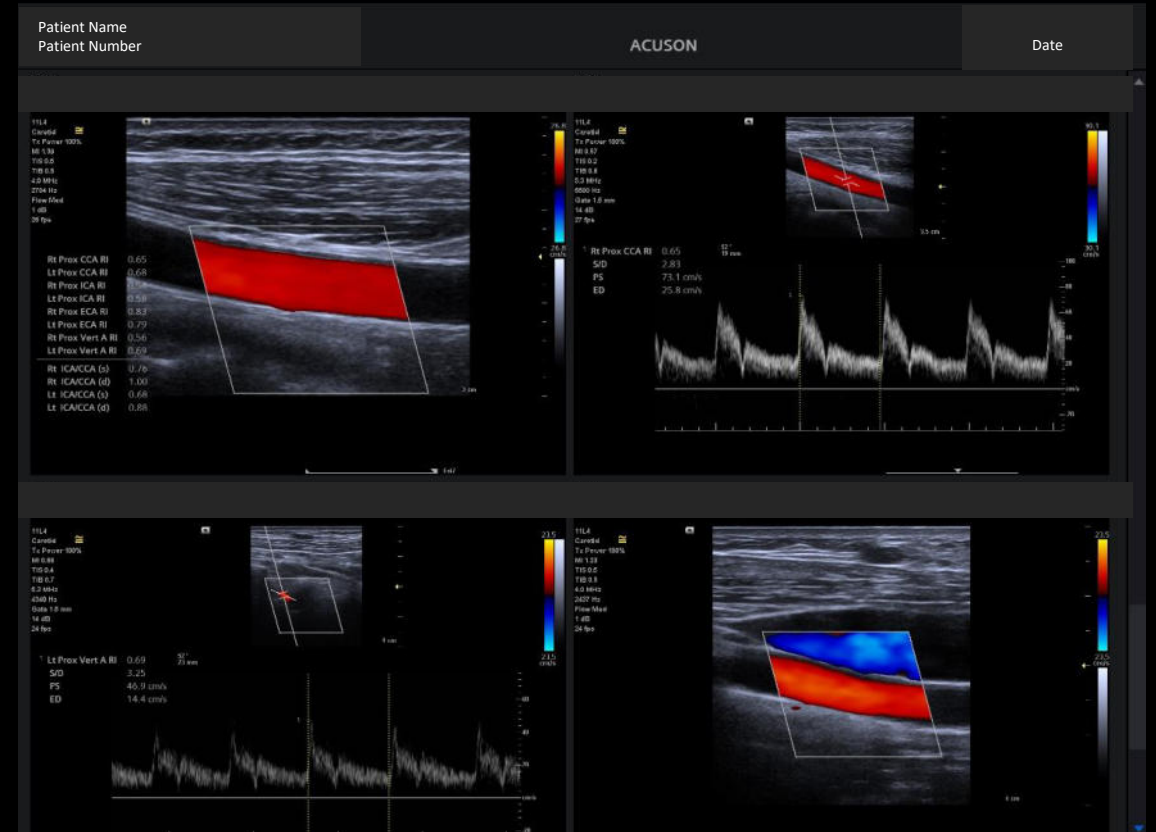


Print/export
options

Report example > add images

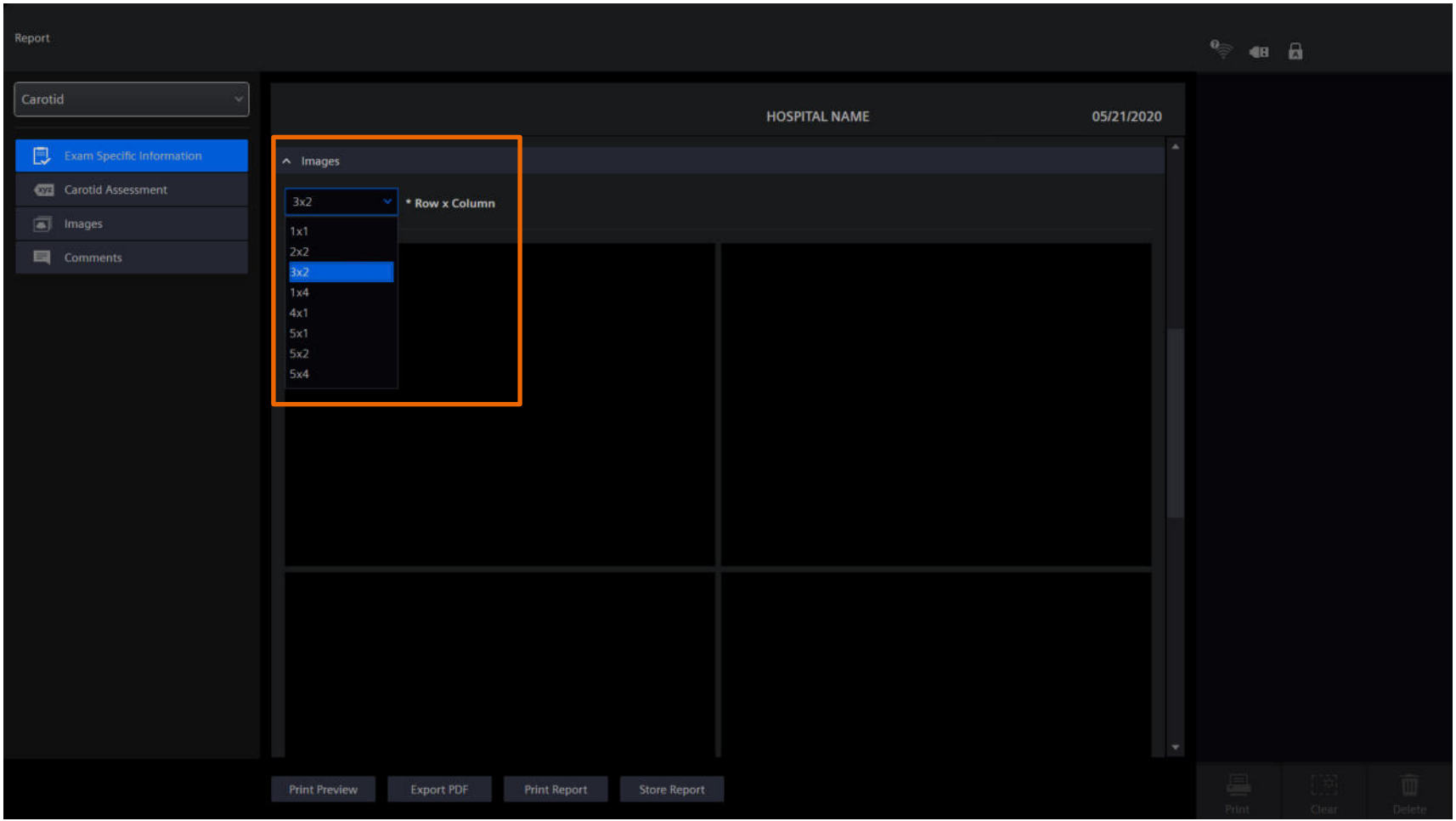
Vascular example

Patient Name	ACUSON				Date		
Exam Specific Information							
Indications							
BP (mmHg)	Right		Left				
	Systole	Diastole	Systole	Diastole			
D Mode Measurement							
Label	Method	Value	V1	V2	V3	V4	V5
Rt Prox CCA (RI)							
RI	Last	0.65	0.65				
S/D	Last	2.83	2.83				
PS	Last	73.1 cm/s	73.1				
ED	Last	25.8 cm/s	25.8				
Lt Prox CCA (RI)							
RI	Last	0.68	0.66	0.68			
S/D	Last	3.08	2.98	3.08			
PS	Last	67.9 cm/s	70.7	67.9			
ED	Last	22.1 cm/s	23.7	22.1			
Rt Prox ICA (RI)							
RI	Last	0.54	0.54				



Report

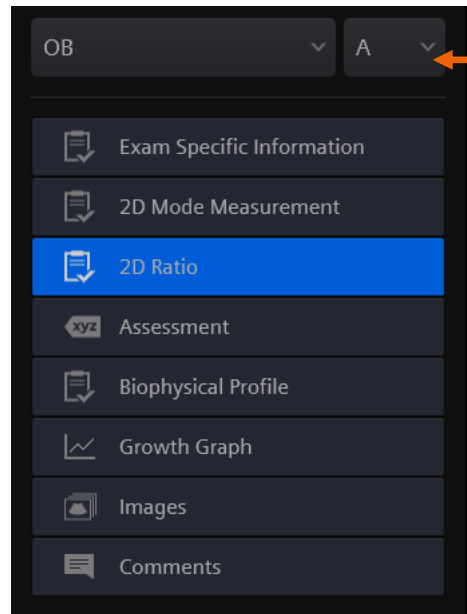
Image layout options



Report example > exam specific options

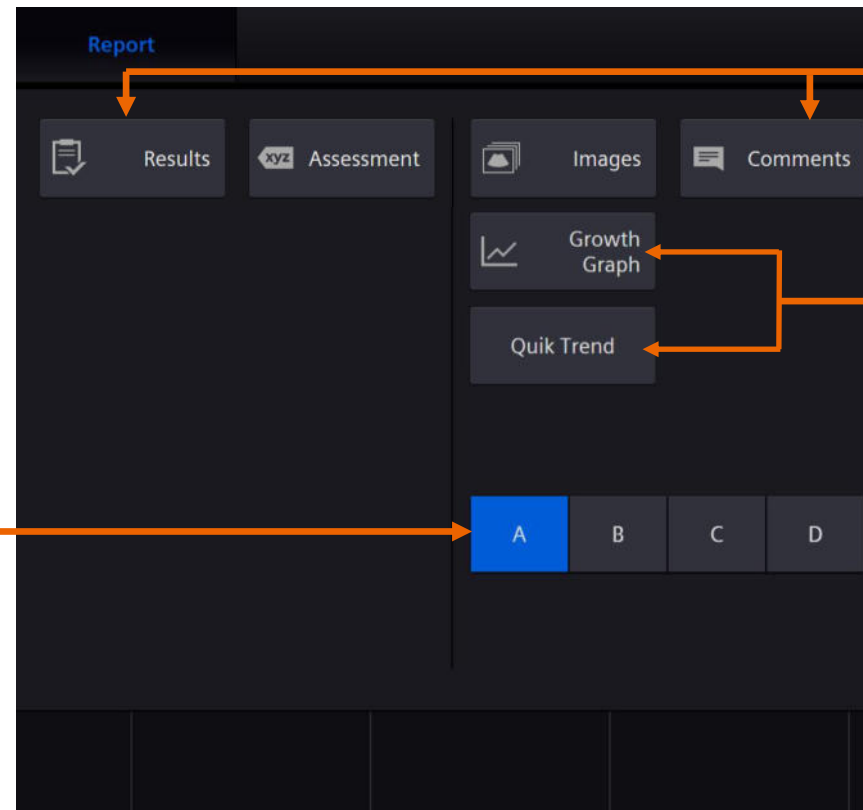
Obstetrics example

onscreen
navigation pane



Identifier
for
multiple
gestations

Touch screen navigation



Standard report
options

OB-specific
options

Report example > layout

Obstetrics example

Populated from
registration

Calculated with
exam
measurements

Calculation
type/author
choices

The screenshot shows a software interface for obstetrics reports. It is divided into several sections:

- Exam Specific Information:** Contains fields for Indications, Num of Fetuses (1), LMP (Estimated) (16/09/2022), Clinical GA (29 w 0 d), Clinical EDC (23/06/2023), G (G), AB (AB), US GA Based On (Average), US GA (29w5d), US EDC (18/06/2023), P (P), and Ec (Ec).
- EFW (Estimated Fetal Weight) section:** Lists EFW1 (Hadlock1, AC, FL, 1155.2g ± 184.8g) and EFW2 (JSUM, BPD, APTD, TTD, FL, 1338.2g ± xxxg). It also shows Williams EFW 1% (34.9%) and Williams EFW 2% (48.6%).
- 2D mode measurement table:** A table with columns for Label, GA, Author, Method, Value, V1, V2, V3, V4, and V5. It lists measurements for BPD, HC, and AC.

Annotations with orange arrows and brackets point to specific elements:

- A bracket on the left side of the 'Exam Specific Information' section is labeled 'Populated from registration'.
- An arrow points from the 'US GA Based On' dropdown to the text 'Calculated with exam measurements'.
- An arrow points from the 'US GA' field to the text 'Calculated with exam measurements'.
- An arrow points from the 'Author' dropdown in the '2D mode measurement' table to the text 'Calculation type/author choices'.
- An arrow points from the 'Method' dropdown in the '2D mode measurement' table to the text 'Calculation type/author choices'.
- An arrow points from the 'V1' column header in the '2D mode measurement' table to the text 'Maximum number of displayed values'.

Maximum
number of
displayed
values

Report example > assessment usage

Obstetrics example

2D Ratio

Label	Value	Range Low	Range High	Growth Author
CI	72.02			Hadlock
FL/AC	19.72			Hadlock
HC/AC	1.12			Campbell
FL/BPD	66.74			Hohler

Assessment

Load Defaults Clear All Set as Default

Fetal Heart Motion	Motion Seen	4Ch heart	Seen
RVOT	Seen	LVOT	Seen
Ao Arch	Seen	Ductal Arch	Seen
Fetal Number		Fetal Position	
Placenta Location		Placenta Grade	
Placenta Grade		Placental Cord	
Lips/Palate	Seen	Previa	None
Choroid	Seen	AF Volume	Adequate
Cerebellum	Seen	Facial Profile	Seen
C Spine	Seen	Lateral Ventricles	Seen
		Posterior Fossa	Seen
		Nuchal Fold	Seen
		T-Spine	Seen

Biophysical Profile

Fetal Movements

Fetal Breathing Movements

Fetal Tone

Amniotic Fluid Volume

Total Score

Growth Graph

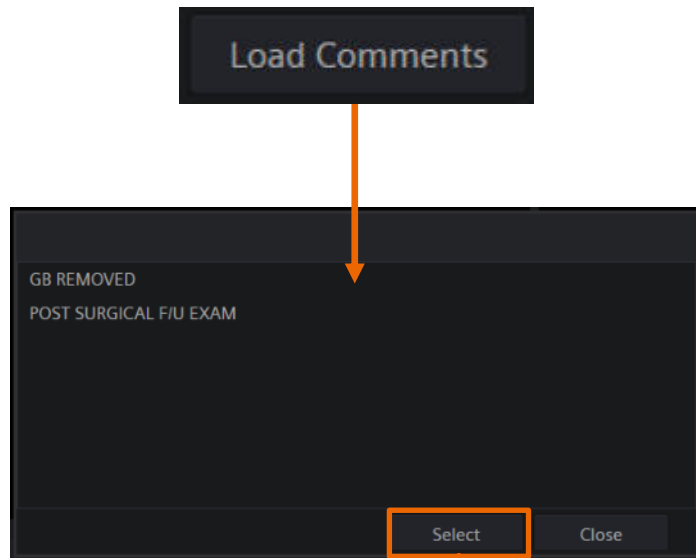
1X1 2X2 OB History Link Studies

EFW1 Hadlock AC Hadlock

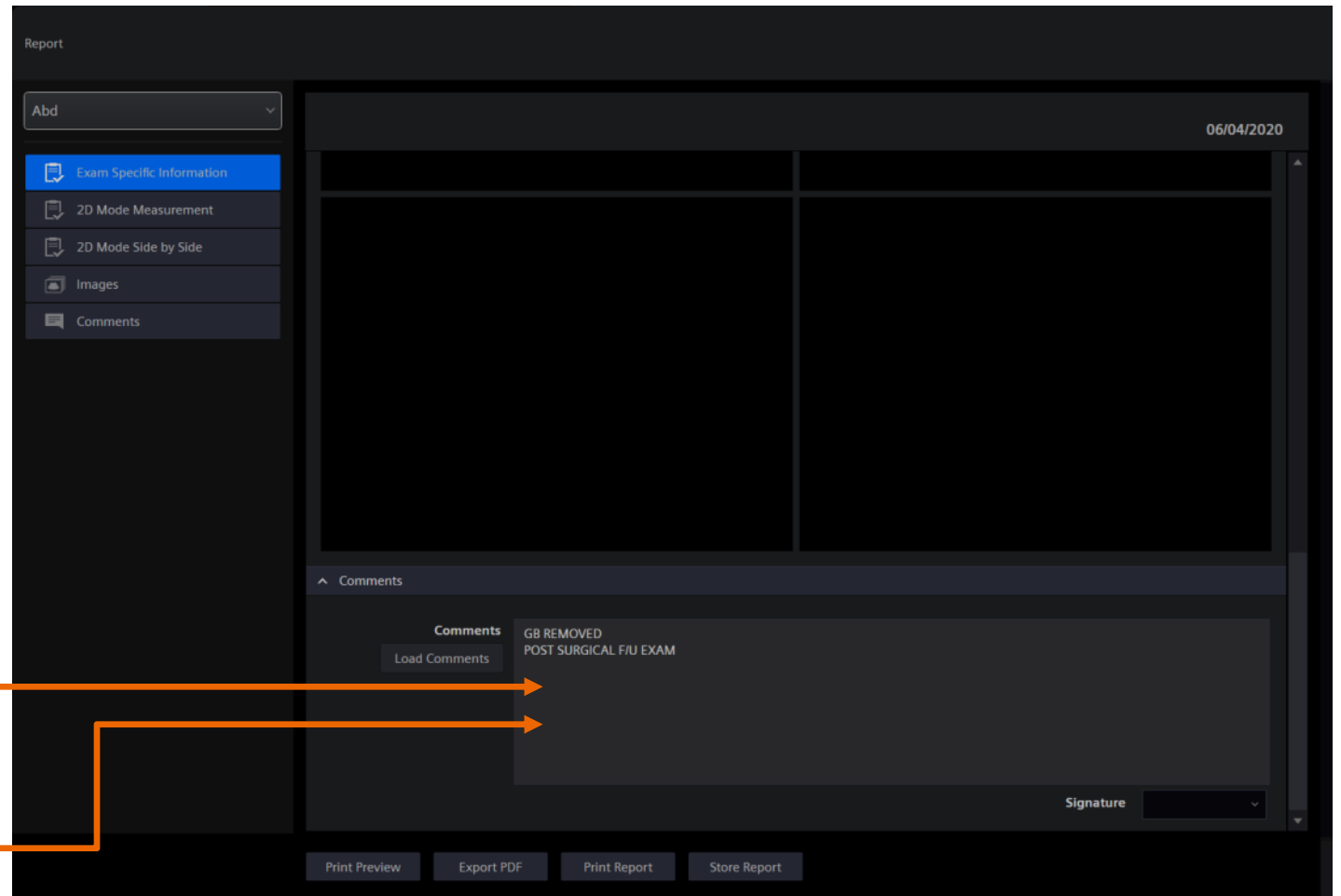
HC Hadlock AFI Moore

Report example > comments usage

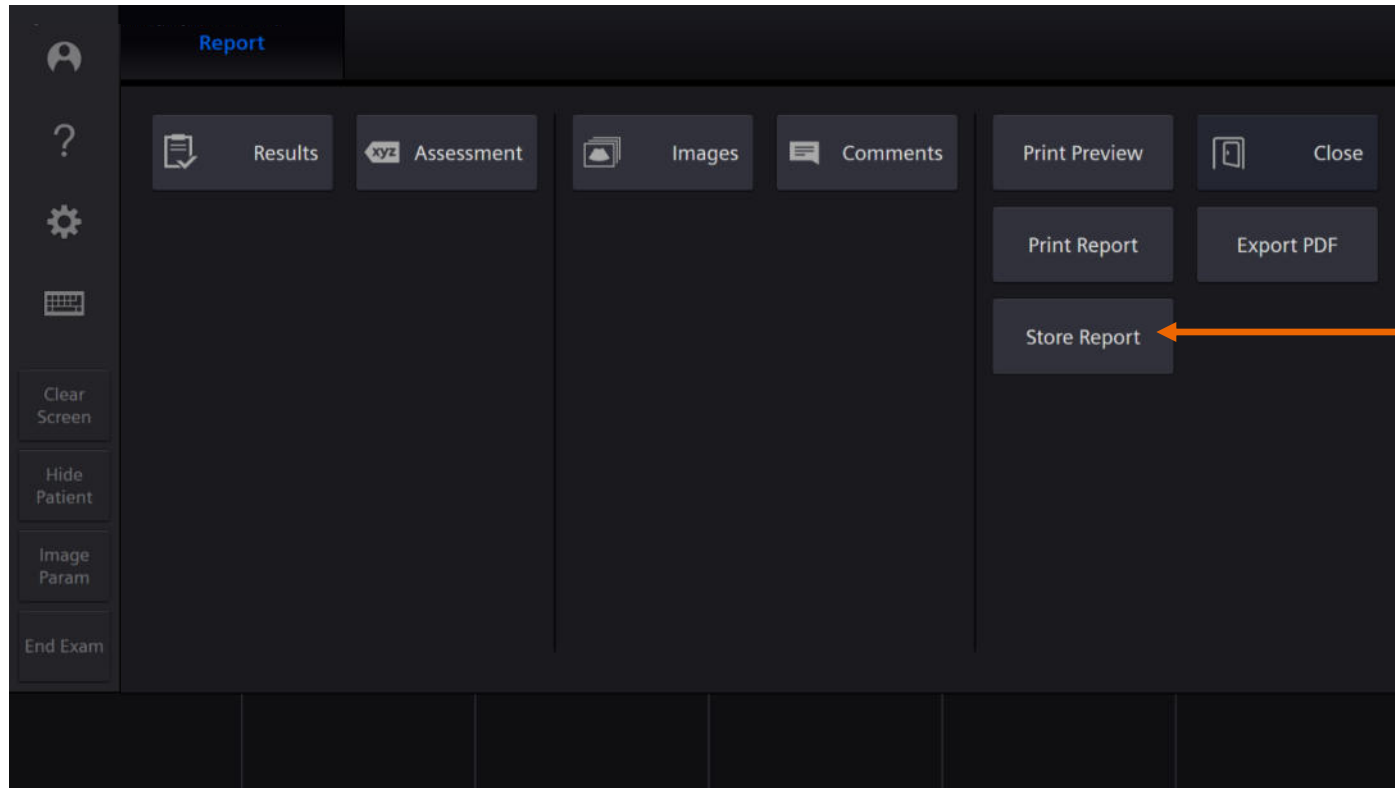
Add pre-programmed comments



Manually add comments



Print reports > Store Report command



Store Report using the touch screen key or the Print Store key on the control panel



Print reports PDF format

Export PDF

ACUSON

Patient Name	Abd Report	Date
---------------------	-------------------	-------------

Institution

Hospital Name ACUSON
 Performing MD
 Referring MD
 Sonographer

Patient Information

Patient Name	Patient Name			
Patient ID	0123456789			
Age		Gender	Other	
Height		Weight	BSA	
BP (mmHg)		Study Date	24/10/2017	

1

ACUSON

				Date
--	--	--	--	-------------

2D Mode Measurement

Label	Method	Value	V1	V2	V3	V4	V5
Liver Length	Last	176.1 mm	176.1				
GB Length	Last	59.9 mm	59.9				
Spleen Length	Last	97.1 mm	97.1				
Spleen AP	Last	58.3 mm	58.3				
Spleen Width	Last	120.1 mm	120.1				
Spleen Volume	Last	356.0 mL					
Rt Kidney Length	Last	107.7 mm	107.7				
Lt Kidney Length	Last	108.5 mm	108.5				

Images

2

Report > Print Preview

Hide institution and patient information

PATIENT NAME 05_15_2020_09_00_33 DR NAME SONGRAPHER NAME 32Years M HOSPITAL NAME HOSPITAL NAME 05/15/2020

HOSPITAL NAME 07/22/1987 PATIENT NAME 05_15_2020_09_00_33

Thyroid Report

Institution

Institution Name	HOSPITAL NAME
Performing MD	DR NAME
Referring MD	DR NAME 2
Sonographer	SONGRAPHER NAME

Patient Information

Patient Name	PATIENT NAME				
Patient ID	05_15_2020_09_00_33				
Age	32Years	Gender	Male		
Height	6ft 0in	Weight	190lb 0oz	BSA	2.08m ²
BP (mmHg)		Study Date	05/15/2020		

2D Mode Measurement

Label	Method	Value	V1	V2	V3	V4	V5
Isthmus AP	Last	2.13 mm	2.13				
Rt Thyroid Lobe Volume	Last	0.63 mL					
Rt Thyroid Lobe TRV	Last	8.51 mm	8.51				
Rt Thyroid Lobe SAG	Last	17.82 mm	17.82				
Rt Thyroid Lobe AP	Last	8.72 mm	8.72				

Report Export PDF Print Report Store Report

Not Hidden

PATIENT NAME 05_15_2020_09_00_33 DR NAME SONGRAPHER NAME 32Years M HOSPITAL NAME HOSPITAL NAME 05/15/2020

HOSPITAL NAME 07/22/1987 PATIENT NAME 05_15_2020_09_00_33

Thyroid Report

2D Mode Measurement

Label	Method	Value	V1	V2	V3	V4	V5
Isthmus AP	Last	2.13 mm	2.13				
Rt Thyroid Lobe Volume	Last	0.63 mL					
Rt Thyroid Lobe TRV	Last	8.51 mm	8.51				
Rt Thyroid Lobe SAG	Last	17.82 mm	17.82				
Rt Thyroid Lobe AP	Last	8.72 mm	8.72				

2D Mode Side by Side

Label	Right	Left
Thyroid Lobe Volume	0.63 mL	
Thyroid Lobe TRV	8.51 mm	
Thyroid Lobe SAG	17.82 mm	
Thyroid Lobe AP	8.72 mm	

Images

Report Export PDF Print Report Store Report

Hidden

Print reports PDF format to patient images

Patient Name
Patient number

ACUSON 25/10/2017

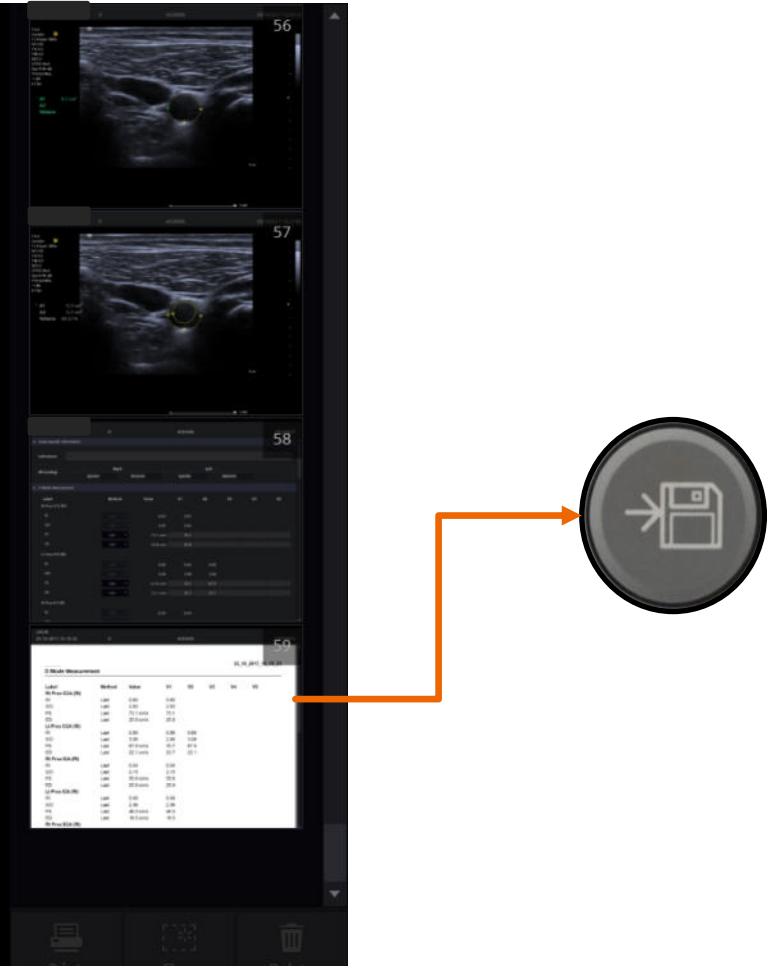
ACUSON 25_10_2017_15_10_33

D Mode Measurement

Label	Method	Value	V1	V2	V3	V4	V5
Rt Prox CCA (RI)							
RI	Last	0.65	0.65				
S/D	Last	2.83	2.83				
PS	Last	73.1 cm/s	73.1				
ED	Last	25.8 cm/s	25.8				
Lt Prox CCA (RI)							
RI	Last	0.68	0.66	0.68			
S/D	Last	3.08	2.98	3.08			
PS	Last	67.9 cm/s	70.7	67.9			
ED	Last	22.1 cm/s	23.7	22.1			
Rt Prox ICA (RI)							
RI	Last	0.54	0.54				
S/D	Last	2.15	2.15				
PS	Last	55.6 cm/s	55.6				
ED	Last	25.8 cm/s	25.8				
Lt Prox ICA (RI)							
RI	Last	0.58	0.58				
S/D	Last	2.36	2.36				
PS	Last	46.0 cm/s	46.0				
ED	Last	19.5 cm/s	19.5				
Rt Prox ECA (RI)							

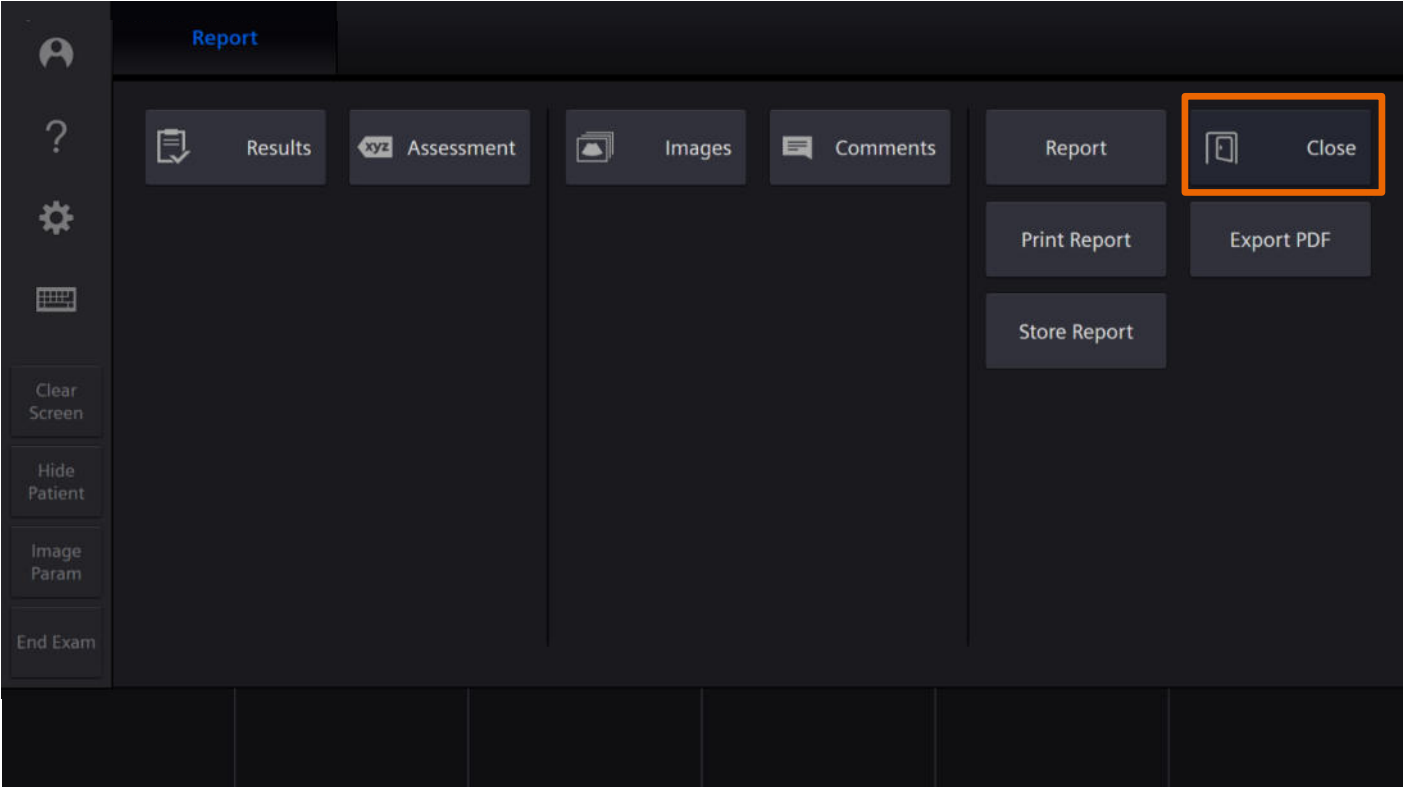
Report Export PDF Print Report

Print Clear Delete



The image shows a medical ultrasound interface. On the left, a table displays 'D Mode Measurement' data for various vessels (Rt Prox CCA, Lt Prox CCA, Rt Prox ICA, Lt Prox ICA, Rt Prox ECA) with columns for Label, Method, Value, and V1-V5. Below the table are buttons for 'Report', 'Export PDF', and 'Print Report'. On the right, there are several ultrasound image frames (labeled 56, 57, 58, 59) and a circular icon with a document and arrow symbol. An orange arrow points from the 'Print Report' button area to this icon.

Close Report



Close Report options



Summary

- Explain measurement access and screen information
- Illustrate display customizations
- Describe measurement labeling and accessing alternate calculation packages
- Identify the Measurement Display Area and onscreen options
- Explain editing and deleting measurements
- Discuss exam specific measurements
- Examine Report access and printing



Thank you for your enthusiasm!

Questions?

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¹ Personalization of diagnosis, therapy selection and monitoring, after care, and managing health.