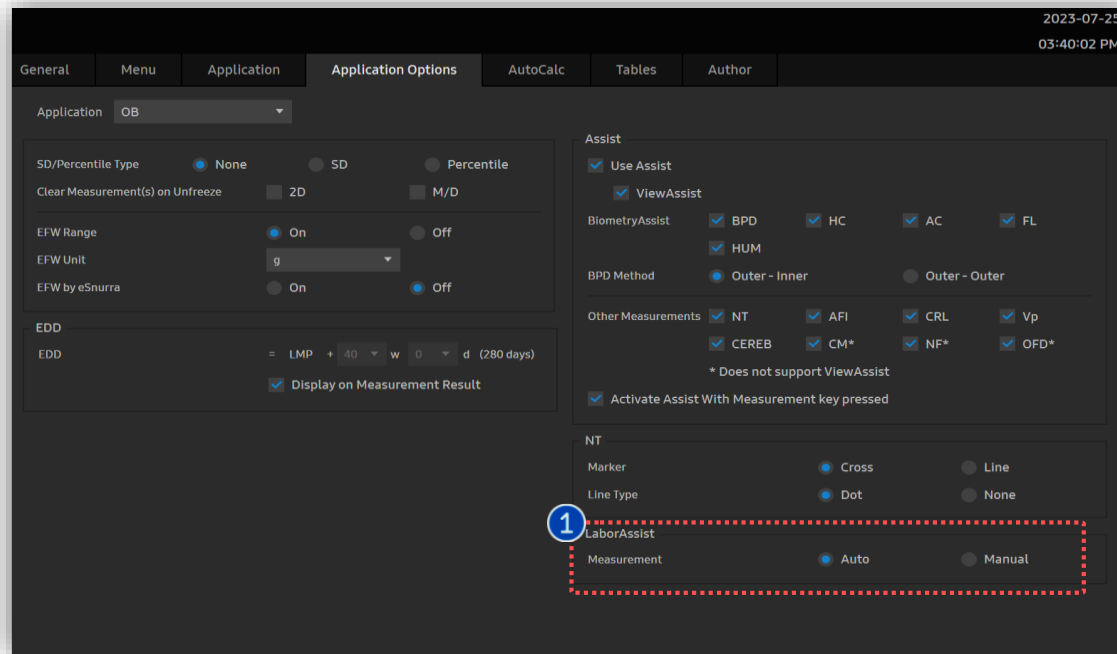


# LaborAssist™

## V Series Quick Guide



# 1. Additional Option



1 On Setup page

Click the [Additional Options], which is subcategory of the [Measurement].

2 Select the Application

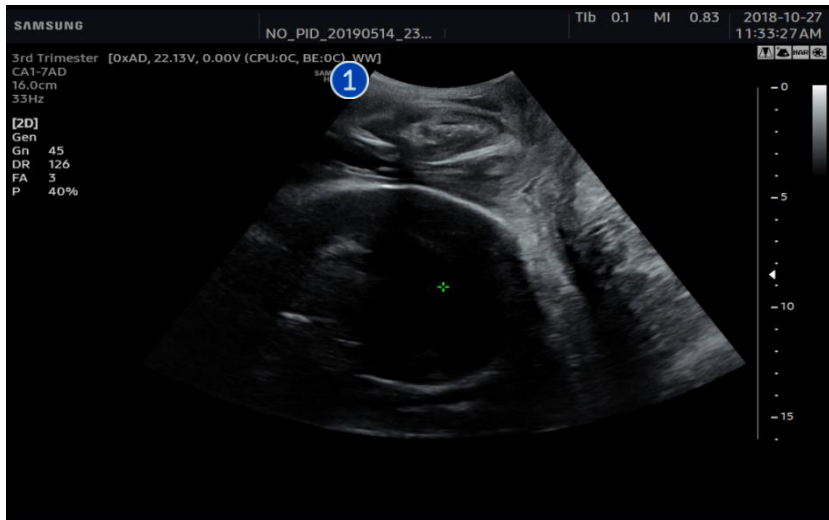
Select the [Application] as OB.

3 Set Default Measurement type

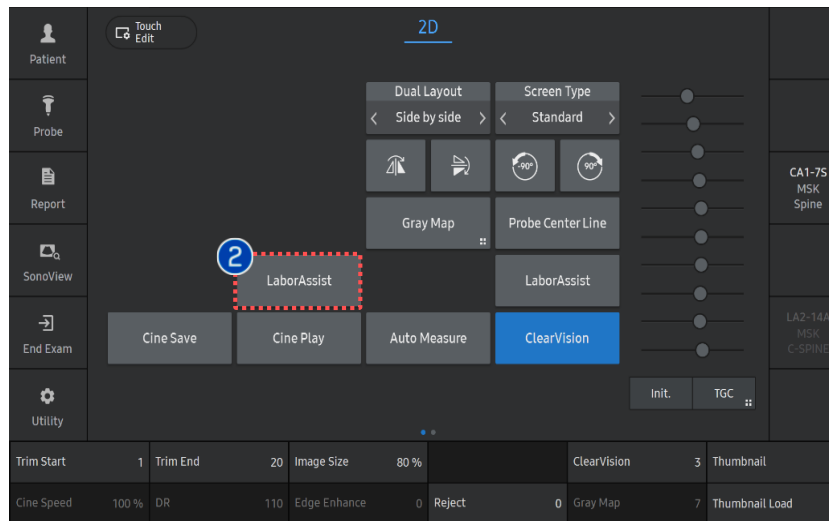
You can set the default measurement type as [Auto] or [Manual]. [Auto] is initial default.

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# 2. Acquire the image



- |                     |   |
|---------------------|---|
| 1 Image Acquisition | Acquire the Pubis and Fetal skull image by Midsagittal transperineal view scanning. |
| 2 LaborAssist       | Tap the [LaborAssist] on touch screen.  |

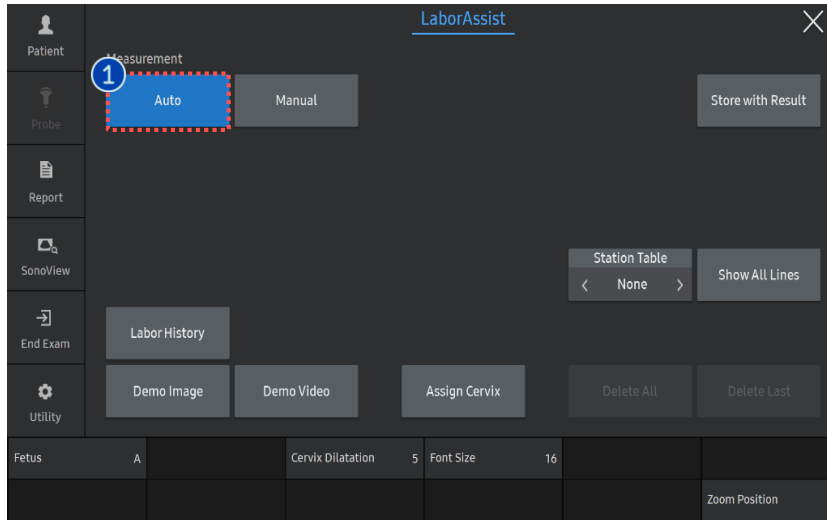


★ Tips

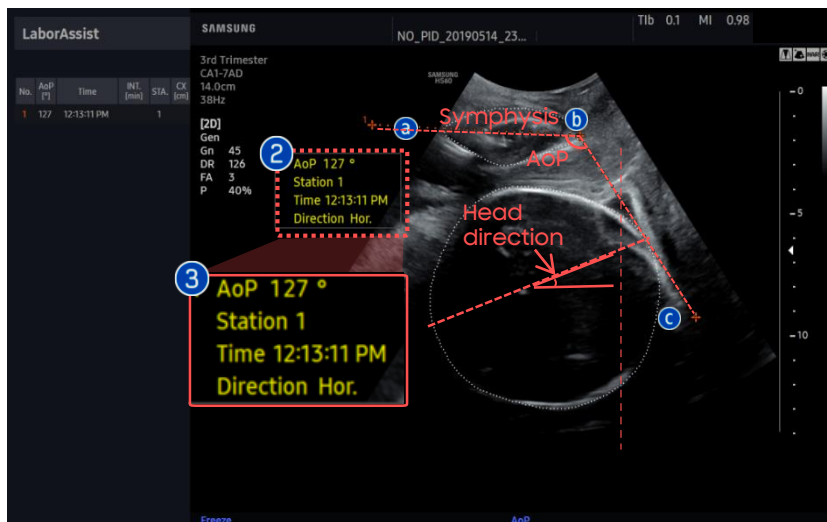
[Measurement of angle of progression]

\*Refer to ISUOG.org Guidelines

# 3. Measure (1) Auto



<p>1 Auto</p>	<p>Automatically detects Pubic symphysis and Fetal head skull outline. Provides AoP, Station, Direction as result.</p>
<p>2 Edit</p>	<p>You can edit the measure point by move the [Trackball]. Press [change key] to change the point. Activate point order is like below:  <b>b</b> → <b>a</b> → <b>c</b></p>
<p>3 Auto Result</p>	<p>Finish the measurement by press [Set] button. (The time will be displayed at the moment)</p>

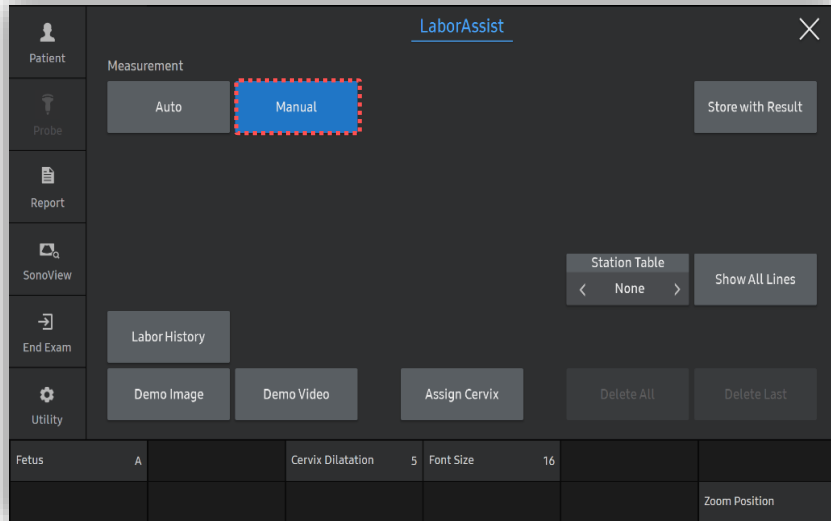


★ Tips

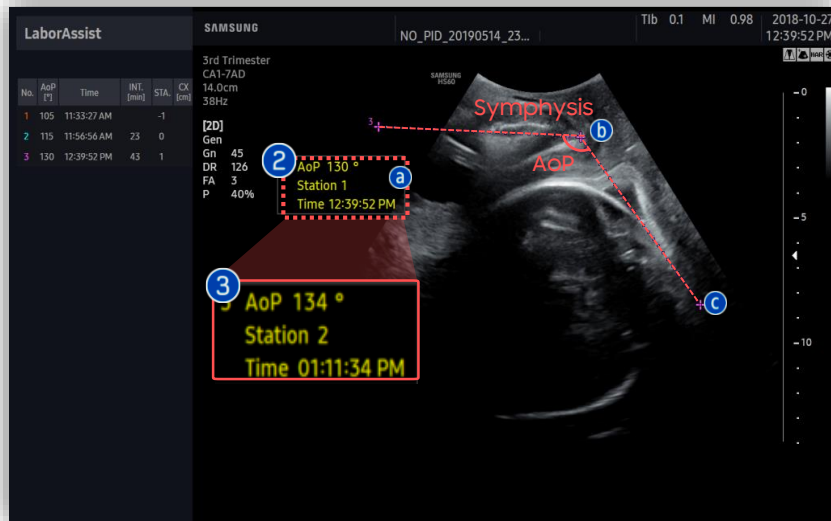
- AoP (Angle of Progression): The angle between the longitudinal axis of the pubic symphysis and a line joining the lowest edge of the pubis to the lowest convexity of the fetal skull. Angle increases as delivery progresses.
- Station : Fetal head position based on ischial spine (-5 ~ 5)
- Direction (Head direction): The angle between the longitudinal axis of the pubic bone and longest axis of fetal head. Head down (angle< 0°), horizontal (angle 0°~30°), head up(angle> 30°)

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# 4. Measure (2) Manual



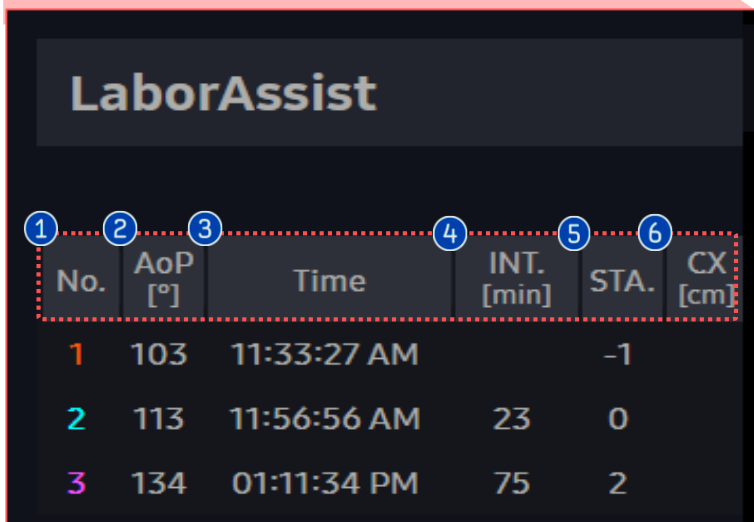
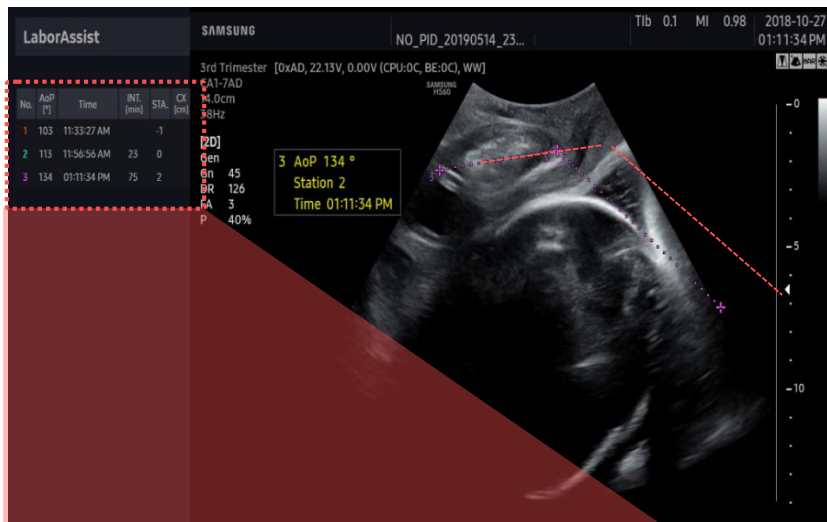
1 Manual	Tap [Manual] button.
2 Manual Measure	<ol style="list-style-type: none"> <li>Draw the line following the long axis of the pubic symphysis, start with [Set] button.</li> <li>Press [Set] button at the lowest edge of pubic symphysis.</li> <li>Draw the tangent line to outline of fetal skull.</li> </ol>
3 Manual Result	Provides AoP, Station and Time as result.
4 Fetus	<p>In case of multiple fetus, you can measure each fetus(A,B,C,D) by rotate the knob button.</p> <p>Need to enter the number of fetus on patient page in order to measure.</p>



★ Tips

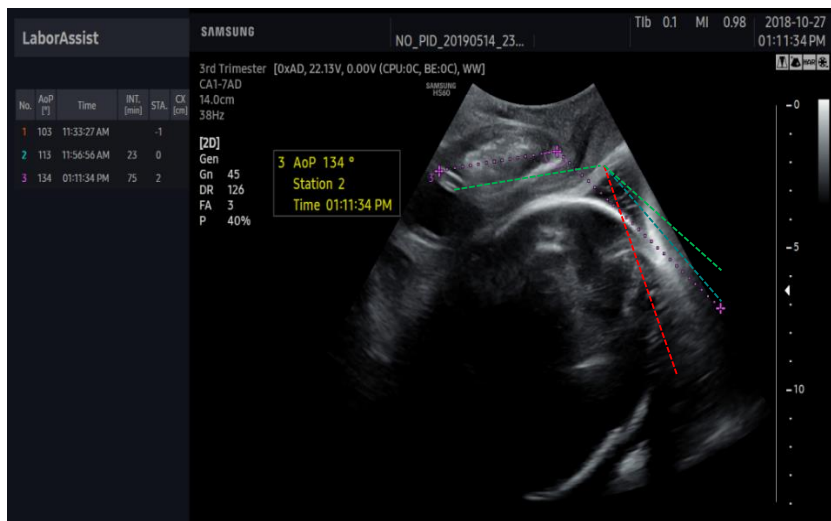
- Due to both Pubic symphysis and Fetal head skull outline is not designated on manual measurement, Fetal head direction information is not provided.

# 5. Result Menu



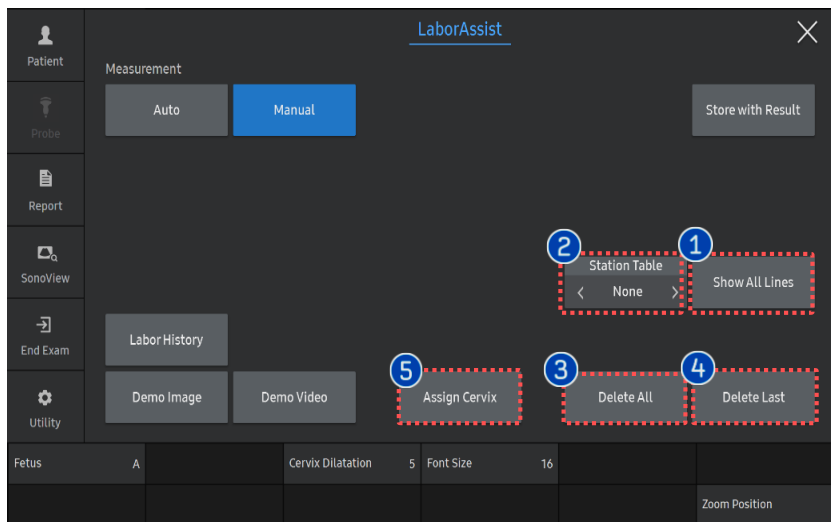
1	No.	Measurement order. (Classified with number and color, displayed up to 20)
2	AoP [°]	Angle of Progression.
3	Time	The moment of measurement.
4	INT.[min]	Time interval.
5	STA.	Information of station depends on AoP.
6	CX[cm]	Cervix dilatation. Change the value rotate the [Toggle key] on the soft menu. (from 0 to 10)
7	Report	Measurement result is automatically reflected to [Report], [Direction] as well.

# 6. Touch Panel Menu (1)



1 Show All Lines

All history of measurements are displayed on the screen with different color.



2 Station Table

Provides 3 kind of reference table, the measurement will be displayed depend on the reference table, please select the one.  
: [Tutschek], [Barbera], [Kalache].  
[None] is default.

3 Delete All

Delete all history of measurement.

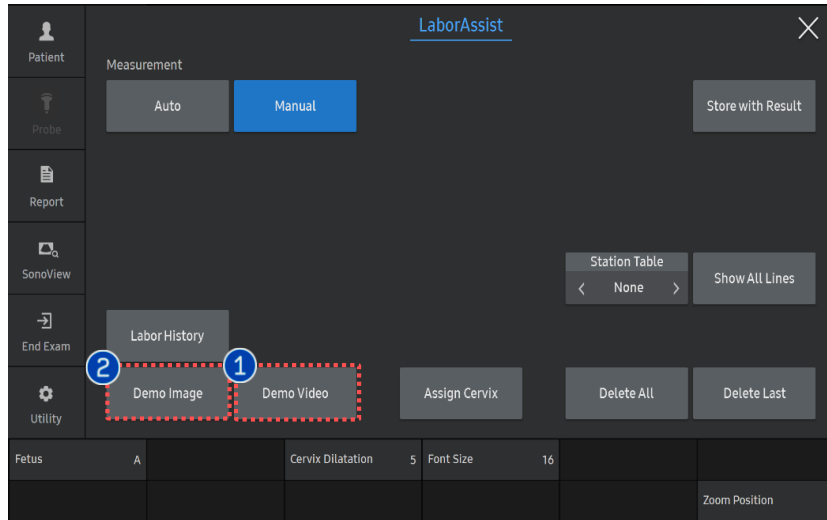
4 Delete Last

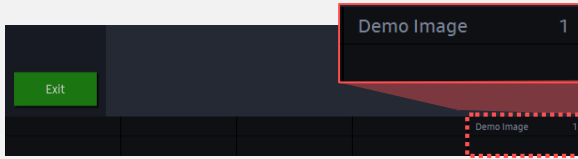
Delete the latest measurement.

5 Assign Cervix

Assign Cervix Dilatation value to the result.

# 7. Touch Panel Menu (2)



<p>1 Demo Video</p>	<p>General whole delivery process is played in video.</p>
<p>2 Demo image</p>	<p>Tap [Demo Image] button to show the progression of delivery simulation at the moment of measurement. You can show the each scene by change the number of [Demo image] on the soft menu with [Toggle key].</p> 

**LaborAssist**

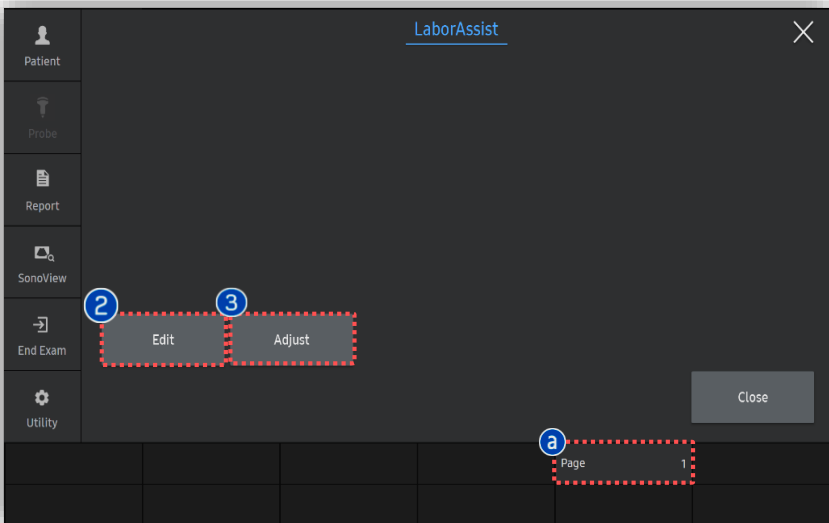
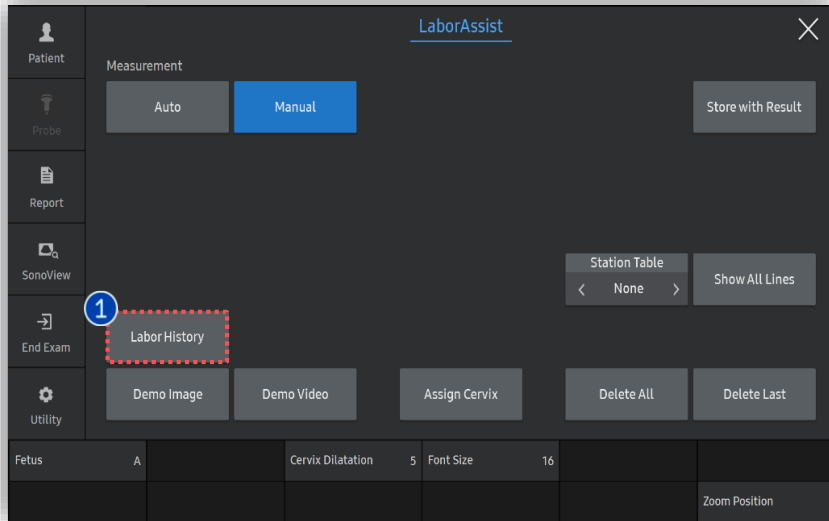
No.	AoP [°]	Time	INT. [min]	STA.	CX [cm]
a 1	103	11:33:27 AM		-1	
b 2	113	11:56:56 AM	23	0	
c 3	134	01:11:34 PM	75	2	



★ Tips

- Demo Image: Displays the scene according to the actual measurement of AoP on US.

# 8. Touch Panel Menu (3)



1 Labor History

Stored images will be displayed with 3X2 layout.

a You can go to the next by change the [Page] with [Toggle key]

2 Edit

Go enter to [Edit]. Click the image that you want to delete from the series. Then click [Done] button on touch screen to update.

3 Adjust

All images are updated by horizontally rearranged of Pubic symphysis line. Please tap [Origin] button to show the original images.

- The features, options may not be commercially available in some countries.
- Sales and shipments are effective only after the approval by the regulatory affairs. Please contact your local sales representative for further details.
- This Quick guide does not include all of the details of instruction, for more detail, please refer to V series User Manual.
- Do not distribute this document to customers unless relevant regulatory and legal affairs officers approve such distribution.
- This User Quick Guide is based on V series V1.05.
- Disclaimer: Some Images in this content were obtained from other system.

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