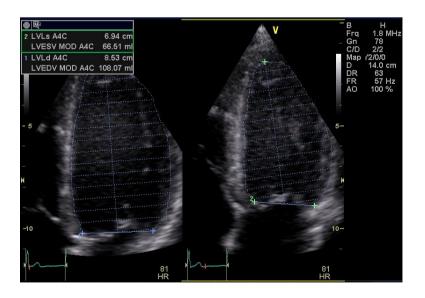
Calculation of the Ejection Fraction with Vivid P 3







Calculation of the Ejection Fraction with method of disk (Simpson)

Words marked in red are Hard keys on the Control Panel or Rotary Knobs for the Top Menu Controls.

Measuring the Ejection fraction of the left Ventricle (EF)

Acquire a 2D image with an apical 4 – chamber or 2 – chamber view. The left Ventricle needs to be visualized very well. For a wider field of view in the Near field use Virtual Apex (1).

- 1 Top Menu Controls
- **2** 2 D
- 3 Set
- 4 Trackball button
- **5** Measure
- 6 Dual Image
- **7** Pointer
- 8 Worksheet
- 9 Report



4 Trackball button
Toggles between the different
Trackball functions.
Can be seen on the lower right
corner of the Monitor.





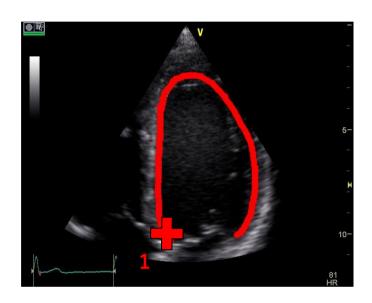
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Press Freeze and scroll with the Trackball or with the Top menu controls Frame by Frame through the loop to get the end diastolic image in correspondence with the ECG.

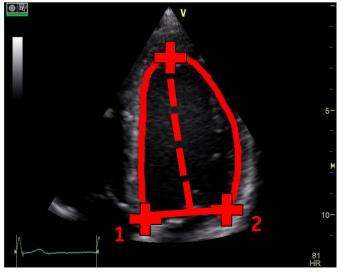
If you recall an image from the Clipboard, turn off the Pointer before starting with the procedure.

Open the Measurement package. Scroll to Volume. Press Set. The Measurement starts automatically with **Biplane LVEDV A4C.** Move with the Trackball to the MV annulus. Set and start tracing of the volume boundary.





Press Set at Position 2 and move the line with the Trackball to the endpoint of the longitudinal axis and press Set again.







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Press the Trackball button and Scroll with the Trackball or with the Top menu controls Frame by Frame through the loop to get the end systolic image in correspondence with the ECG.

Press the Trackball button. The Measurement is set automatically to LVESV A4C. Repeat the Measurement like in Diastole.





You have the Possibility to make the Measurement also in **Dual Image**. Press the button L (left). Recall the Loop from the Clipboard and scroll to the end diastolic image. Press button R (right) and scroll to the end systolic image.

Open the Measurement package and repeat the Measurement as described.

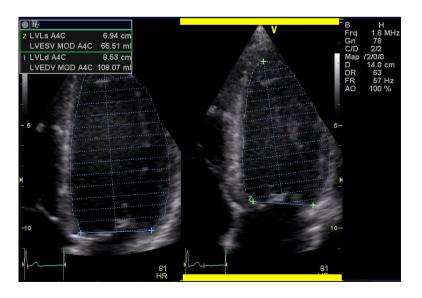


Image marked with the Yellow lines is the active one, f. e. Freeze, Scroll etc.

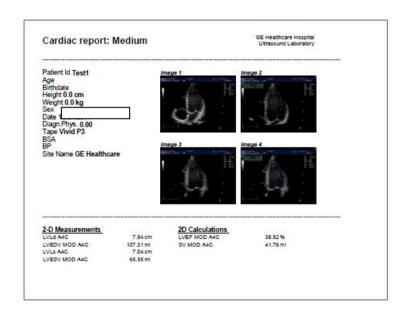


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All the Results are in the Worksheet



or in the Report.



NOTE

This hand out is additional training material. For more information please refer to the user manual and/or reference manual.

