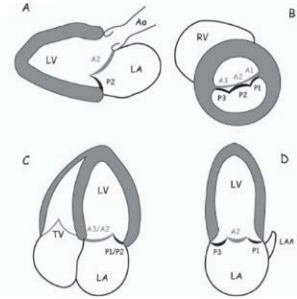




Required: ECHO's recorded in digital DICOM format

Transthoracic Echocardiography:

- Defining **MV and AOV anatomy**/MR quantitation/LV-LA dimensions and volumes
- Parasternal long (A) and short-axis view (B) *with and without Color* (narrow angle and zoomed acquisitions)
- Apical two-chamber view (D) and four-chamber view (C) *with and without Color* (narrow angle and zoomed acquisitions)
- Subcostal view of four-chamber and short axis - show IVC reactivity with normal and forced inspiration



Recommended loops: **SR 3 beats/ AF 5-6 beats** for all 2D and Color Doppler images

* Please contact your Ultra-Sound Company if advice or support is needed to export DICOM formatted data from your echo machine.

Transesophageal 3D Echocardiography:

Mid-esophageal views of MV with and without Color (narrow sector /Zoomed acquisition)

- Mid-esophageal 5-4CH view (0-20 dgr)
- 2CH view (90 dgr)
- Commissural view (50-105 dgr)
- ***3CH view LAX (120-150 dgr), in addition the view with the biggest prolapse or flail.**
- **3D En Face surgical view** of MV and if possible with 3D Color of MR.

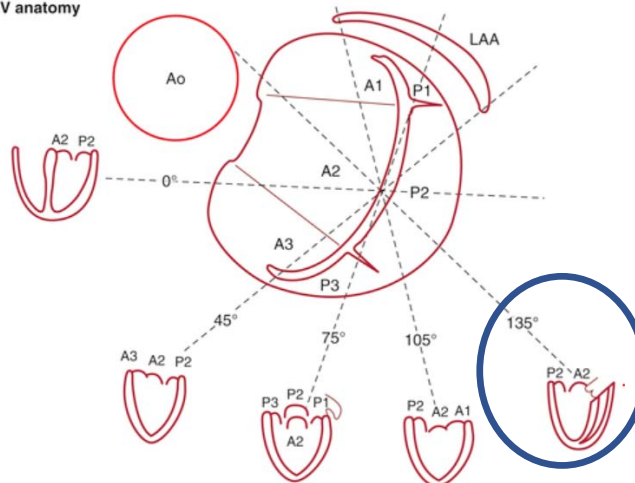
(MV-3D reconstruction requires primary dataset /3D Zoom views are preferable)

AOV: mid-esophageal LAX-SAX (120-150 dgr) with and without Color (Zoom mode)

Measurements: AP diameter (LAX-view); CC diameter (bi-commissural view) in systole and diastole

Anterior & Posterior leaflet length; overlapping segment (-s) (prolapsing segment; juxtaposed anterior leaflet)

TEE: MV anatomy



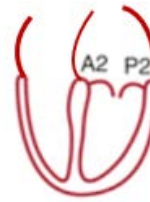
Focus on optimal LV-view

Step by Step guides for recommended TEE 2D-3D views - Multiple Cardiac Cycles

TEE 2D/ 3D “en face” view - *without & with Color Doppler*- Imaging acquisition should be focussed on the prolapsing segment.



1 5CH view (approx. 0 dgr)



2 4CH view (approx. 0 dgr)

Sector **central** view



3 Mitral Commissural view -approx. 60 dgr



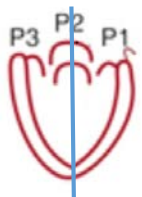
Biplane* 3CH view (AP) - approx. 135 dgr



4 MC ROI more **lateral** view (same setting at 60 & 135 dgr)



5 MC ROI more **medial** view (same setting)

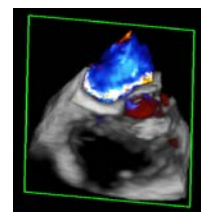


6 MC ROI **central** view

Measurements



3CH view



7 “En face” view of MV *without & with Color*

- Measure the length from end P2 to A2 (leaflet tip to tip) (3CH view)
- Measure the length of the posterior and anterior leaflets (curved tool)
- Measure the AP diameter (3CH view)
- Measure the CC diameter (Mitral commissural view)



*Be aware, for all images narrow sector & zoomed acquisition

CAUTION: Investigational Device Limited by Federal (United States) Law to Investigational Use. The NeoChord DS1000 has CE-market clearance.

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