

TEE ESSENTIALS

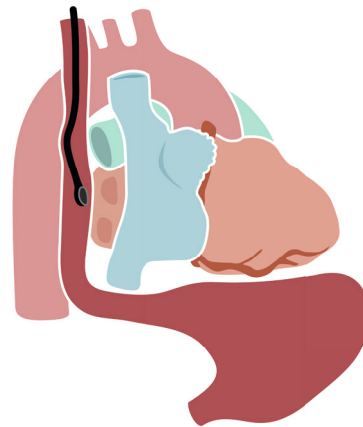
How to get the views: Overview of TEE views

TEE views are often divided into mid-esophageal views, transgastric views, and aortic views.

Mid-esophageal views

There are fifteen distinct mid-esophageal TEE views. These are obtained using a variety of transducer imaging plane angles and probe manipulations (e.g., probe turning and/or tip flexion). Some views require the probe to be advanced or withdrawn to slightly different levels in the mid-esophagus.

- Five-chamber view
- Four-chamber view
- Mitral commissural view
- Two-chamber view
- Long-axis view
- Aortic valve long-axis view
- Ascending aorta long-axis view
- Ascending aorta short-axis view
- Right pulmonary vein view
- Aortic valve short-axis view
- Right ventricular (RV) inflow-outflow view
- Modified bicaval tricuspid valve view
- Bicaval view
- Right and left pulmonary veins view
- Left atrial appendage view

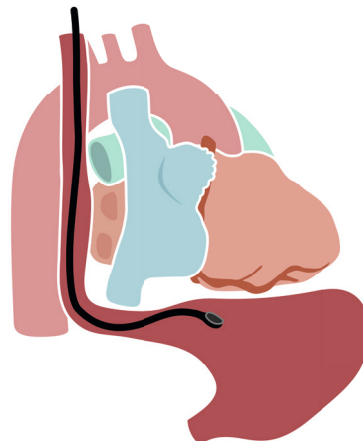


Transgastric views

There are nine distinct transgastric TEE views—eight of these are obtained in a standard transgastric probe position, and one requires a deep transgastric probe position.

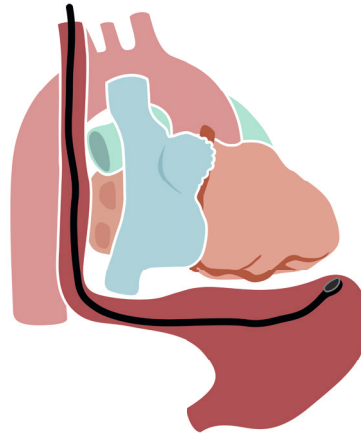
Standard transgastric probe position

- Basal short-axis view
- Mid-papillary short-axis view
- Apical short-axis view
- Right ventricular (RV) basal view
- Right ventricular (RV) inflow-outflow view
- Two-chamber view
- Right ventricular (RV) inflow view
- Long-axis view



Deep transgastric probe position

The deep transgastric probe position is used to obtain a five-chamber view.

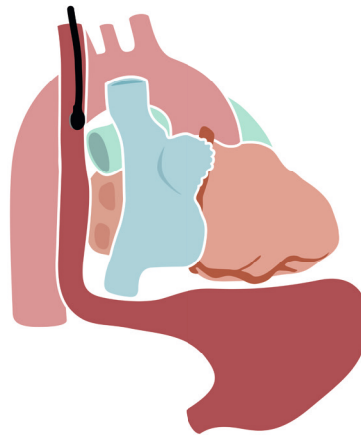


Aortic views

The TEE aortic views are often considered separately from the other views of the heart. There are four principal aortic views. Two of these are obtained at the upper-esophageal probe position, and two are obtained at the mid-esophageal probe position (but with the TEE probe turned to face posteriorly).

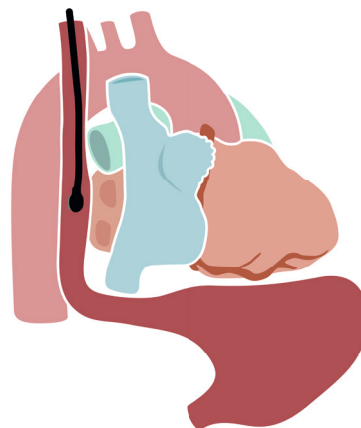
Upper-esophageal aortic views

- Upper-esophageal aortic arch long-axis view
- Upper-esophageal aortic arch short-axis view



Mid-esophageal aortic views

- Mid-esophageal descending aorta short-axis view
- Mid-esophageal descending aorta long-axis view



Further reading

Hahn RT, Abraham T, Adams MS, et al. 2013. Guidelines for performing a comprehensive transesophageal echocardiographic examination: Recommendations from the American Society of Echocardiography and the Society of Cardiovascular Anesthesiologists. *J Am Soc Echocardiogr.* **26**: 921–964.