

3D Echocardiography CD 2.8-2.9 Summary

- 3D echocardiography (3DE) is a newer modality of ultrasonic examination of the heart through the chest wall or through the esophagus that is added on to either a transthoracic or transesophageal echocardiogram.
- This allows for both real-time and post-processed 3 dimensional analysis of the cardiac structures and function. This produces images that are less constrained than that of 2-dimensional echocardiograms.¹
- 3DE is readily accessible and transportable allowing for the test to be done at multiple different locations with no need for blood work or IV line insertion.
- 3DE has become important in pre-surgical planning, guidance of catheter intervention and functional assessment of the heart in various cardiac conditions including but not limited to congenital heart disease, valvular disease and structural heart disease.^{2,3}

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