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*Observational Study*

Geometric comparison of the mitral and tricuspid valve annulus: Insights from three dimensional transesophageal echocardiography

Amgad N Makaryus, Haisam Ismail, John N Makaryus, Dali Fan

**Abstract**

AIM: Our study aims to apply Real time three-dimensional trans-esophageal echocardiography (RT3D TEE) for quantitative and qualitative assessment and comparison of the mitral valve annulus (MVA) and tricuspid valve annulus (TVA) in the same patient. Gaining an understanding of the similarities and differences between these two valves will provide a better understanding of cardiac physiology and pathophysiology and thereby hopefully lead to improvements in clinical practice.

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