



Usefulness of Tei index in patients with rheumatic mitral regurgitation and apparently normal left ventricular ejection fraction

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ABSTRACT

Background and aim Rheumatic [mitral regurgitation](#) is rather common in developing countries. It usually progresses insidiously, because the heart compensates for increasing regurgitant volume by left-atrial enlargement, causes left-ventricular overload and dysfunction, and yields poor outcome when it becomes severe. Doppler-echocardiographic methods can be used to quantify the severity of mitral regurgitation. It is known that [ejection fraction](#) underestimates the presence of [left ventricular dysfunction](#) in these patients. This study aimed to study global [cardiac function](#) of these patients by using LV Tei index.