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

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ABSTRACT
Background and aimRheumatic 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.