2-D Speckle tracking in the assessment of left and right ventricular functions in hemodialysis versus recently diagnosed uremic patients with preserved systolic function

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Abstract:

Several studies have demonstrated that uremic patients who have preserved left ventricular (LV) systolic function could still have subtle systolic dysfunction. In our study, we assessed the right ventricular (RV) and LV myocardial functions measured by conventional echocardiography and two-dimensional (2D) longitudinal speckle-tracking in hemodialysis and non-dialysis recently diagnosed uremic patients. The study population consisted of 24 newly diagnosed uremic patients, 25 hemodialysis patients, and 20 healthy controls. The RV and LV longitudinal strains were significantly lower in patients than in controls (9.6 vs. 15.3, P

Keywords:

2D strain; Tissue Doppler; RV functions; Uremia

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