

Value of contrast echocardiography in patient with advanced heart failure

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Introduction: Transthoracic echocardiography is still the diagnostic standard procedure in pre heart transplant and advanced heart failure diagnostics. Despite continued improvements in non-contrast echocardiography, image quality is sometimes suboptimal for assessing regional and segmental wall.^{1,2}

Case report: 22-year-old patient suffering from dilative cardiomyopathy and diabetes mellitus type I presented with signs of severe dyspnoea and was admitted to intensive coronary unit due to acute heart failure. Dilative cardiomyopathy was verified with severely reduced ejection fraction to 15% of the left ventricle, with apical left ventricular thrombus, clinically NYHA IV stage, initially INTERMACS 3. The hypertrabeculation of left ventricular wall was indicating that the aetiology could be non-compaction cardiomyopathy. He was referred to our transplant centre, where complete pre-transplant work-up was conducted. Despite optimal medical therapy, clinical condition deteriorated, NT-

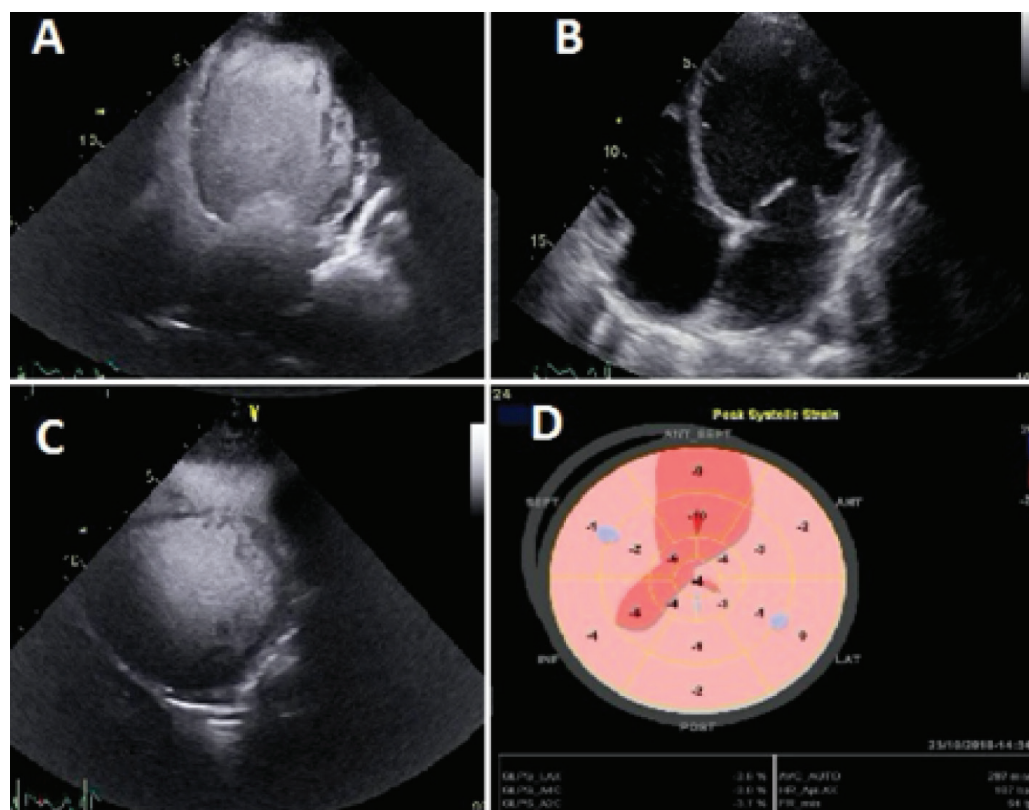


FIGURE 1. A, C. Left ventricular opacification showing trabeculated and dilated left ventricle indicating non-compaction cardiomyopathy, no presence of intracardiac thrombus. B. Dilated left ventricle in 4 chamber apical view. D. Bulls eye of left ventricular longitudinal strain showing diffuse poor longitudinal strain.

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