Advanced Echocardiography paving the way in early detection of pulmonary vasculopathy

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Abstract

Right and left ventricular dysfunction are commonly encountered in pulmonary disorders. Pulmonary hypertension exerts pressure load on the right ventricle, subsequent RV-LV interactions through shared septum, pericardium and blood supply lead to LV dysfunction. The early detection and treatment of pulmonary hypertension is crucial to improve outcomes of pulmonary disorders. New advanced echocardiographic techniques such as pulmonary artery circumferential strain and pulmonary artery blood speckle tracking might help in replacing invasive hemodynamics, for early detection of pulmonary vasculopathy in pulmonary disorders.

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