Role of Strain Rate Imaging in the Assessment and Follow-Up of Left Ventricular Diastolic Function in Patients with Resistant Hypertension Treated with Renal Artery Denervation

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Die Rolle der Strain Rate Imaging bei der Beurteilung und Follow-up der linksventrikulären diastolischen Funktion bei Patienten mit therapierefraktärer arterieller Hypertonie nach Nierendenervation

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HFpEF is characterized by abnormal diastolic function: there is an increase in the stiffness of the left ventricle, which causes a decrease in left ventricular relaxation during diastole, with resultant increased pressure and/or impaired filling.[2] There is an increased risk for atrial fibrillation and pulmonary hypertension. Conditions, such as hypertension, that encourage increased left ventricular afterload can lead to structural changes in the heart on a gross, as well as a microscopic level.