

Diabetes and the Heart

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Abstract

Diabetes mellitus is an important risk factor of heart failure, not only for heart failure with reduced ejection fraction but also for heart failure with preserved ejection fraction. Recently, the association between diabetes mellitus and heart failure has been focused because of different cardiovascular effects of oral hypoglycemic agents. Diastolic dysfunction, microvascular disease, cardiac fibrosis are important features of diabetic cardiomyopathy. Beyond the structural and functional changes that characterize diabetic cardiomyopathy, a complex underlying, and interrelated pathophysiology exists. The aim of this lecture is to provide a contemporary view of the pathophysiology of heart failure in patients with diabetes mellitus. Moreover, we will discuss about risk stratification and early detection of vulnerable patients for heart failure.

Keywords

Diabetes mellitus; Heart failure; Diastolic dysfunction



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