

Progression of Renal Denervation for Resistant Hypertension

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Abstract:

Resistant hypertension has become a difficult point in the control of hypertension because of the difficulty in controlling blood pressure well. Drug therapy has been an important method to control hypertension for many years, but in recent years, interventional methods represented by renal denervation (RDN) have provided new opportunities for the treatment of resistant hypertension. RDN releases energy through the ablation catheter and acts on the sympathetic nerve fibers on the vascular wall around the renal artery, thereby reducing the activity of the renal sympathetic nerve, blocking the increased activity and persistence of the sympathetic nerve, and thus it plays an important role in blood pressure control, especially resistant hypertension. This article reviews the research progress of RDN in the treatment of resistant hypertension. Mainly from three aspects: the definition of resistant hypertension and RDN, the research status of RDN in the treatment of resistant hypertension, and the influencing factors of RDN in the treatment of resistant hypertension.

Keywords: Resistant hypertension, renal denervation, Progression