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RADIOFREQUENCY ABLATION FOR RESISTANT HYPERTENSION: A REPORT OF THREE CASES

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Objective To evaluate the efficacy and safety of renal sympathetic denervation by radiofrequency ablation for patients with resistant hypertension and discuss the experience in the operation.

Methods Three patients with resistant hypertension received percutaneous radiofrequency catheter-based treatment with subsequent follow-up about half to 1 year. The authors assess the blood-pressure lowering effectiveness and changes in antihypertensive drugs.

Result During follow-up of the three cases, the dosage and types of antihypertensive drugs were reduced in all three patients. The blood-pressure of two patients achieved normal level, while another showed no significant decrease.

Conclusion Percutaneous renal sympathetic denervation by radiofrequency ablation can potentially reduce the level of blood-pressure, dosage and types of antihypertensive drugs for resistant hypertensive patients.