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Renal denervation for resistant hypertension-the Symplicity HTN-1 study

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To the editor

The effect of RDN on renal artery stenosis was not well investigated in Henry Krum and colleagues’ study. Only 18 patients underwent angiography at 14–30 days, and 14 underwent magnetic resonance angiography at 6 months. Therefore, the follow-up rate was very low in this cohort of 153 patients. It was not reported that how many patients underwent renal artery imaging at 12, 24, and 36 months. Nor was reported the exact imaging method used at these time points. Ultrasonography has limitations in detecting renal artery stenosis.

It is of concern that estimated glomerular filtration rate (eGFR) decreased (p=0.05) and the creatinine concentrations in the serum progressively increased (p=0.05). In addition, the effect of RDN on renal function was not clearly described. 28 patients had a decrease in eGFR of more than 25% after RDN. However, it was not reported how many patients were followed up at each time point; nor was reported to what extent the eGFR was decreased in each patient. It would be more informative if the authors could provide the eGFR values for these 28 patients over this 3-year follow-up in a table and also how many patients showed a clinically significant increase in creatinine concentrations at each time point. The authors cannot conclude that RDN is safe.

CONFlict OF INTEREST

The authors declare that they have no conflict of interest.
REFERENCES

