

Usefulness of dynamic renal scintigraphy in a patient with renal arteriovenous fistula treated by transcatheter embolization

Tsuyoshi HASHIMOTO,* Kiyoshi KOIZUMI,** Kazuhiro SAITO,* Fumio KOTAKE,*
Naoki ITO*** and Kimihiko ABE***

**Department of Radiology, Kasumigaura Hospital, Tokyo Medical University*

***Department of Radiology, Hachioji Medical Center, Tokyo Medical University*

****Department of Radiology, Tokyo Medical University*

Tc-99m-DTPA renal scintigraphy was performed before and after transcatheter coil embolization in a patient with renal arteriovenous fistula (AVF). Before embolization, scintigraphy showed a characteristic accumulation pattern compatible with the hemodynamics of an aneurysmal type of AVF in the vascular phase. After embolization, the effects of treatment, such as a change in the split renal function on the treated-side and the disappearance of the shunt flow through the fistula were evident. It was concluded that dynamic renal scintigraphy was very useful for patients with an aneurysmal type of renal AVF scheduled for transcatheter embolization.

Key words: Tc-99m-DTPA renal scintigraphy, renal arteriovenous fistula, transcatheter embolization