Embolization of a Renal Artery Arteriovenous Malformation Using Interlock-18™ Detachable Coils

BY PAOLO FACCIOLI, MD, AND SIMONE LIMONTA, MD

CASE PRESENTATION
A 46-year-old woman with an arteriovenous malformation of the renal artery of the left kidney underwent angiographic evaluation, which revealed a large anastomosis of the renal artery with the venous system (Figure 1).

PROCEDURE DESCRIPTION
A Bern-shaped Direxion™ Torqueable Microcatheter with a Fathom™-16 Guidewire was used to distally select the feeding vessel. A first Interlock™-18 detachable coil was deployed (Figure 2).

To let the Dacron® fibers work, we waited a few minutes, but the patency persisted.

The same Direxion™ Microcatheter was used to detach a second and third Interlock™-18 coil (Figure 3). The torquability of the microcatheter allowed us to effectively position these coils and preserve the renal function.

FOLLOW-UP
The last angiographic control from the diagnostic catheter showed good results (Figure 4).

The anastomosis point was excluded and the renal vascularization was maintained, preserving the renal function.

Paolo Faccioli, MD
Chief of Interventional Radiology Department
A.Manzoni Hospital
Lecco, Italy
Disclosures: None.

Simone Limonta, MD
Interventional Radiologist
A.Manzoni Hospital
Lecco, Italy
Disclosures: None.