

# AMPLATZER® Vascular Plug Case Study

## Closure of Arteriovenous Fistula Between Deep Femoral Artery and Superficial Femoral Vein

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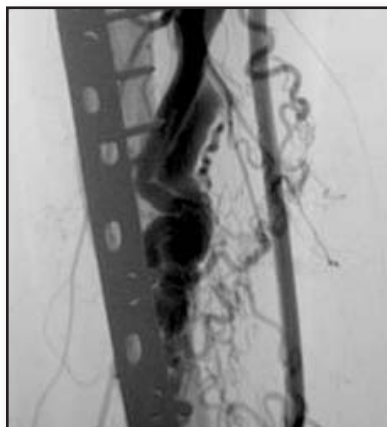


Figure 1: Large flow through fistula back into the vein.

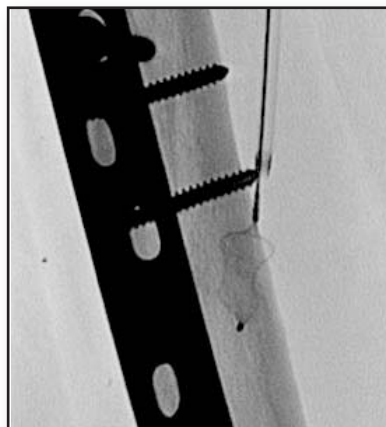


Figure 2: 12 mm AMPLATZER Vascular Plug placed close to fistula, preserving side branches.

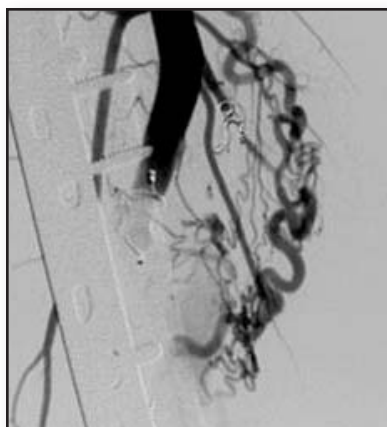


Figure 3: Smaller collaterals presented after fistula occluded.



Figure 4 Post-AMPLATZER Vascular Plug deployment with smaller collaterals embolized with single coils.

## Procedure Description

A 51-year old female presented with a fistula between the Deep Femoral Artery (DFA) and the Superficial Femoral Vein (SFV), possibly occurring following fixation of the plate and screws for the femoral fracture. A Terumo guide wire and a Cordis straight 8 French guide catheter were utilized to deliver a 12 mm AMPLATZER Vascular Plug. The fistula diameter was measured angiographically at 8 mm diameter. A 12 mm diameter AMPLATZER Vascular Plug was selected per the manufacturer's sizing recommendation of 30-50% above the targeted vessel diameter. The Vascular Plug comes packaged pre-loaded with delivery cable allowing easy device introduction into standard guide catheters. The device is repositionable with the cable attached. Angiography confirmed device position and total fistula occlusion after 10 minutes. The smaller collaterals were occluded with coils. Total procedure time was 90 minutes.



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