The Use of the CrossLock™ Catheter in a Patient with Critical Limb Ischemia and a Popliteal Occlusion

Richard R. Heuser MD
St. Luke’s Medical Center, Phoenix Arizona

Background

We recently introduced the CrossLock™ catheter (Radius Medical, Hudson, Massachusetts). The device consists of an extension support catheter that can be utilized for both coronary and peripheral applications. With inflation of the elastomeric balloon size ranging from 1mm to 8mm in diameter, the wire lumen is placed in a central position, resulting in allowing the wire to be maintained in the intraluminal position. You are able to use the CrossLock™ catheter to inflate the elastomeric balloon and pass a balloon catheter, laser or stent with the balloon inflated.

Figures 2 and 3

A 75 year old presents with resting pain of her left foot. An angiogram revealed that the popliteal was 100% occluded.

Interventionists need new devices to aid in limb salvage. The CrossLock™, with its centering balloon and super support is unique and is intuitively obvious for the operator. Whether this will be a device of choice for the peripheral interventionist requires more operators to utilize the device, experience with SFA CTO, as well as experience with the retrograde and antegrade approach. We do think this is a unique device and have been very happy with our results at this stage. We have also found the device to be excellent as a support device to cross coronary CTOs or as a support device similar to the GuideLiner. The elastomeric balloon gives super support for passage across very tight occlusions or CTOs.