

## GOBACK CATHETER VIDEO TRANSCRIPT

### **Tips and tricks: Positioning the needle in the optimal orientation for re-entry**

To position the needle in the optimal orientation for reentry, the GoBack marker should have a C-shape when the Catheter is parallel the occlusion, and an I-shape when the image intensifier is rotated to a 90-degree orthogonal view above the vessel. This will optimize the needle orientation for re-entering the true lumen from the subintimal space.

We recommend using the following maneuver.

- **Step 1:** Pull back the guidewire into the GoBack Catheter so that it is proximal to the GoBack marker. This will help you see the marker clearly.
- **Step 2:** Identify the location and orientation of the catheter relative to the occlusion. Change the RADIAL direction of the needle by playing with the blue rotation knob. As you rotate the rotation knob, you will see the marker change its shape between a "C" and an "I". The needle comes out in the direction of the opening of the C. When you are parallel to the target vessel, rotate the marker until the opening of the C is pointing in the direction you wish the needle to protrude. Fine tune your positioning with the rotational knob to create the thinnest possible C-shaped marker.
- **Step 3:** Rotate the image intensifier to a 90-degree orthogonal view. You should be directly above or below the vessel. Fine tune your positioning by rotating the rotation knob until a symmetric "I" shaped marker is over the vessel's center.
- **Step 4:** Rotate the image intensifier back to the original view, where the opening of the "C" shape is again pointing in the desired needle direction. Deploy the needle. When throwing out the needle, make a swift forward motion with your thumb to accelerate the needle's speed to cross the subintimal wall into the true lumen.