

iFR Scout™ Pullback Measurements

STEP 1: Determine if the Vessel is Physiologically Significant iFR[®] Spot Measurement or LIVE iFR[®] Value

- ▶ Prepare the pressure wire according to Instructions For Use
- ▶ **NORMALIZE** pressure wire and advance distal to all lesions in the vessel
- ▶ Flush contrast out of the guide catheter and wait for Pa to stabilize
- ▶ Press **RECORD** to determine the iFR[®] value or review the LIVE iFR[®] value
- ▶ Consider the Hybrid Approach if the distal iFR[®] value falls within the FFR Zone



Step 2: Determine Which Lesion(s) are Most Significant iFR Scout™ Pullback

- ▶ Tighten hemostasis valve to avoid blood loss but so that pressure guide wire can still be pulled back
- ▶ Press **PULLBACK**
- ▶ After the blue lines appear, slowly pullback the pressure wire at a constant speed while observing the sensor position under fluoro (sensor is located just proximal to the radioopaque tip)
- ▶ Press **BOOKMARK** on the console to flag areas of interest, such as lesions, during the pullback recording
- ▶ Observe the LIVE iFR[®] values during pullback (upper left box just under timer)
- ▶ Press **STOP** when complete



1. An iFR cut-point of 0.89 matches best with an FFR ischemic cut-point of 0.80 with a specificity of 87.8% and sensitivity of 73.0%. (iFR Operator's Manual 505-0101.23).

STEP 3: Understand the Results

- ▶ Distal iFR® value applies to the entire vessel
- ▶ Plot shows how iFR® values change through the vessel
- ▶ If the pullback was performed at relatively constant speed:
 - » Steeper slopes may indicate focal disease
 - » More gradual slopes may indicate diffuse disease
- ▶ The wave free period is highlighted in green (this is where iFR® calculations are made)



STEP 4: Use iFR Scout™ results to help you make informed treatment decisions

- ▶ Follow standard lab protocol to treat the lesion(s) if applicable

STEP 5: Confirm the Functional Gain with a Final Pullback iFR Scout™ Pullback

- ▶ Observe your **FUNCTIONAL GAIN** by making a final pullback
- ▶ Post-pullback is simple to achieve because:
 - » After treatment, the pressure wire may still be distal in the vessel
 - » The iFR Scout™ pullback does not require hyperemic agent
- ▶ Follow directions in STEP 2 above
- ▶ Compare the “pre-pullback” to the “post-pullback” and notice the **FUNCTIONAL GAIN**



PRECISION GUIDED THERAPY

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