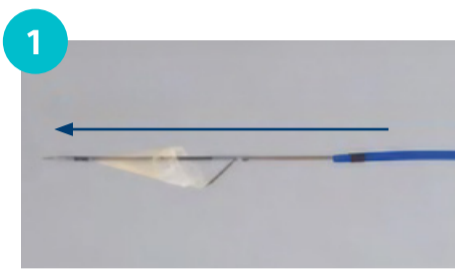
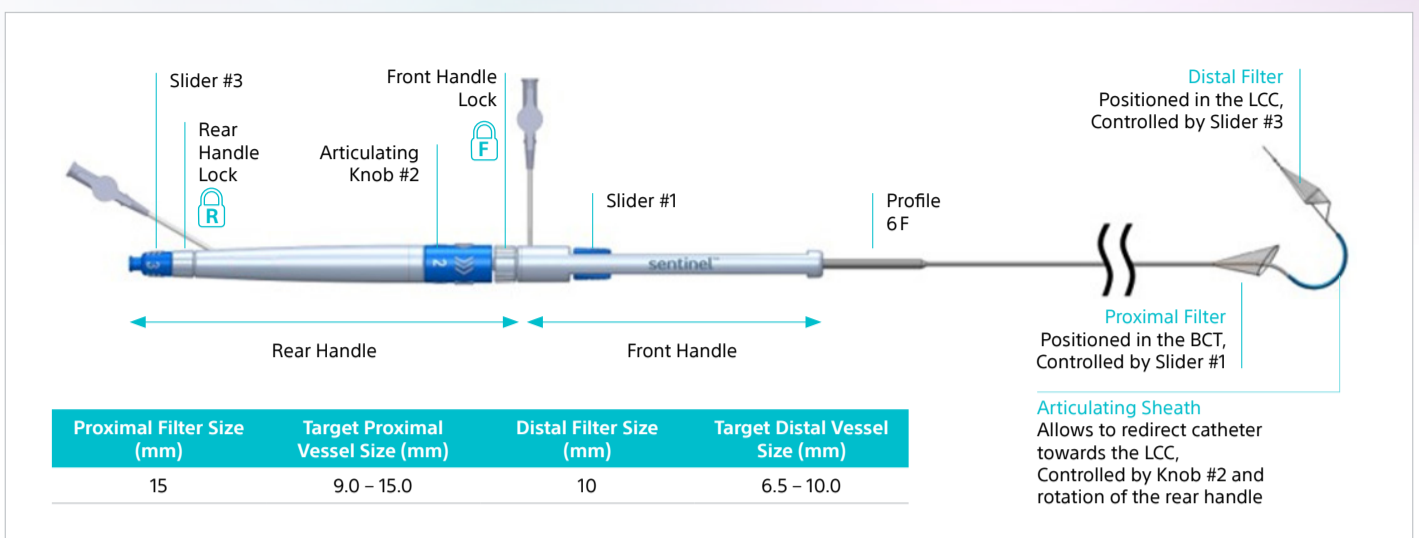


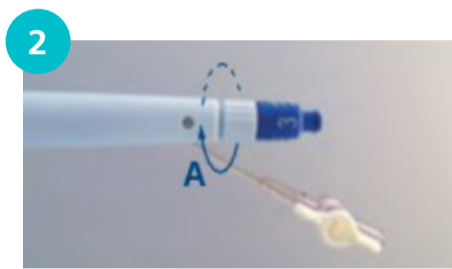


# SENTINEL™ Usage Guide

## Device Preparation



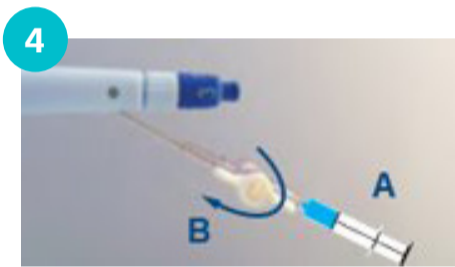
1 Remove Stylet



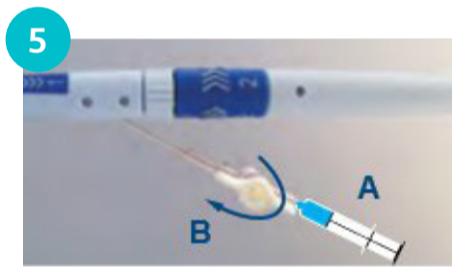
2 Close Front and Rear Handle Locks



3 Flush Guidewire Lumen



4 Flush Rear Handle Flush Port & Close



5 Flush Front Handle Flush Port & Close, Refill and reattach the syringe



### De-Air Distal Filter

- Submerge, open the Rear Handle Lock and agitate
- Retract & deploy **up to 2 times**
- Close Rear Handle Lock
- Do not pull the metal tip fully inside the catheter



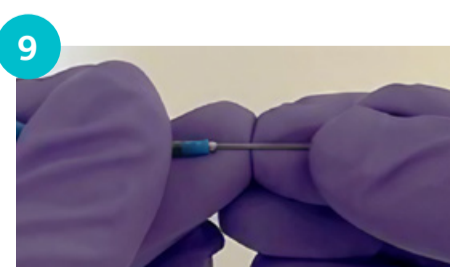
### De-Air Proximal Filter

- Submerge and agitate
- Retract & Deploy **up to 2 times**
- Do not fully sheath – leave the metal part just before the articulating sheath exposed



### Flush Front Handle Flush Port & Completely Sheath Proximal Filter

- Open stopcock and flush with syringe attached in step 5 until no bubbles come out.
- Close stopcock and remove syringe
- Close front handle lock



### Back load the 0.014" guidewire through SENTINEL tip

- Use your fingers as support



# SENTINEL™ Procedural Steps

## Deployment

### Material needed

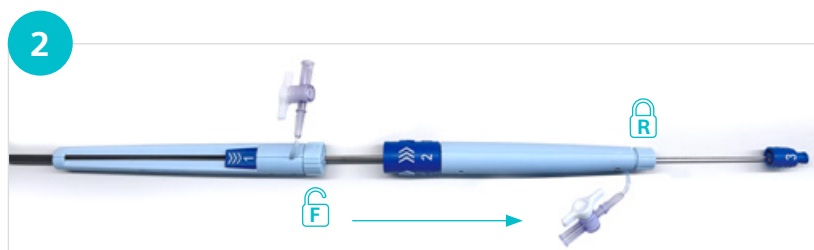
- **6 F Sheath** introducer for **Right Radial access**
- Guidewire:
  - **.014"** diameter and **> 175 cm** in length
  - Extra-support, polymer jacket, floppy tip, shapable

### Guidelines

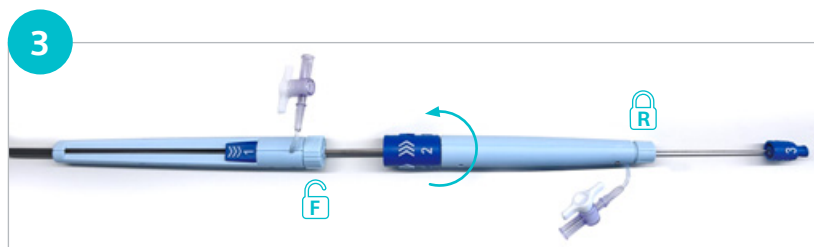
- **ACT > 250s** until Sentinel is retrieved
- Preferable viewing angle: **~ LAO 30**
- Filters deployment 1.5 – 2 cm from ostiums in a straight vessel portion
- For insertion, advance the catheter with the guidewire 10cm distal to the tip



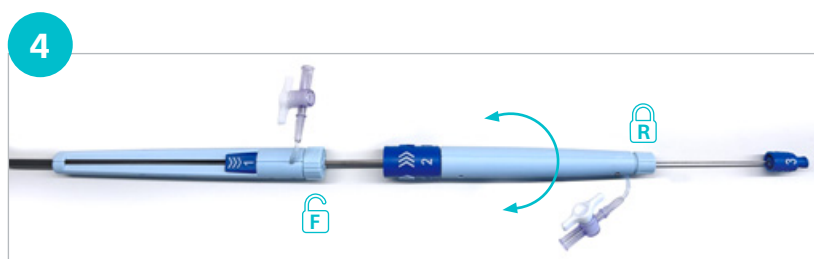
**Pull back Proximal Filter Slider (#1)** to deploy proximal filter. Pull the wire fully inside catheter.



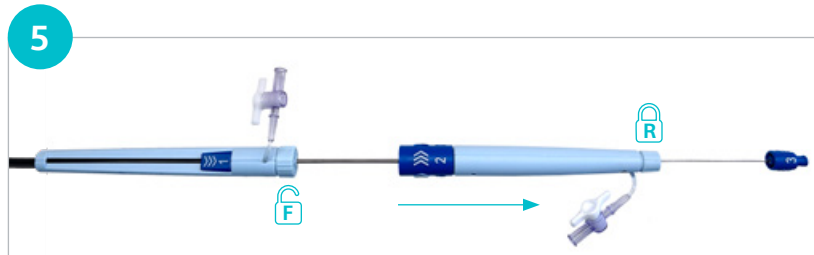
**Retract the Rear Handle slightly** to adjust position of the Articulating Sheath.



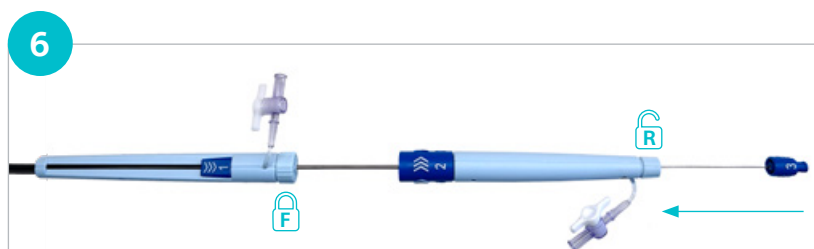
**Rotate Articulation Knob (#2)** to articulate sheath.



**Rotate Rear Handle** to point the tip towards the LCC. Push on the wire to canulate LCC (max 5 cm).



**Retract the Rear Handle fully** to engage the articulating sheath to the carina. Adjust the Articulating Sheath curvature if needed, so the tip points towards the middle of the LCC.



Advance **Distal Filter Slider (#3)** to deploy distal filter. Pull the wire until 1 cm from the tip and close the Rear Handle Lock.





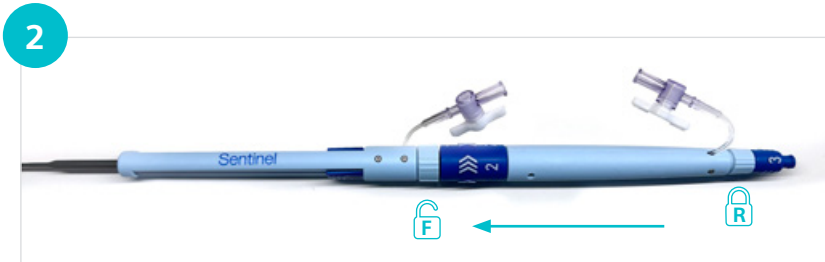
# SENTINEL™ Procedural Steps

## Retrieval

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**Retract Distal Filter Slider (#3)** to sheath distal filter. Pull the wire fully inside the catheter.



**Advance the Rear Handle** to close the gap.



**Rotate back Articulation Knob (#2)** to de-articulate sheath. Push on the wire.



**Advance Proximal Filter Slider (#1)** to sheath proximal filter

**5** Retrieve the device under fluoroscopy, holding in place **Slider (#1)** and with the guidewire advanced ~10 cm distal to the tip

BCT: Brachiocephalic Trunk; LCC: Left Common Carotid.

See IFU for Guidewire restrictions. Illustrations for information purposes – not indicative of actual size or clinical outcome. All photographs taken by Boston Scientific. All cited trademarks are the property of their respective owners. CAUTION: The SENTINEL Cerebral Protection System may only be used in countries where it is approved for use. The law restricts these devices to sale by or on the order of a physician. Indications, contraindications, warnings, and instructions for use can be found in the product labeling supplied with each device. Information for use only in countries with applicable health authority product registrations. Information not for use or distribution in France.

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