

Using Double Wires as a Stability Solution

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At times, when the endovascular delivery or catheter system is unstable, two wires can be used, forming a double wire system.

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Placing a second 0.018 Fr wire, instead of changing to a single 0.035 Fr wire for stability, can help when faced with extreme angulations. This technique is displayed below (Figure 1) where stent graft alignment was needed

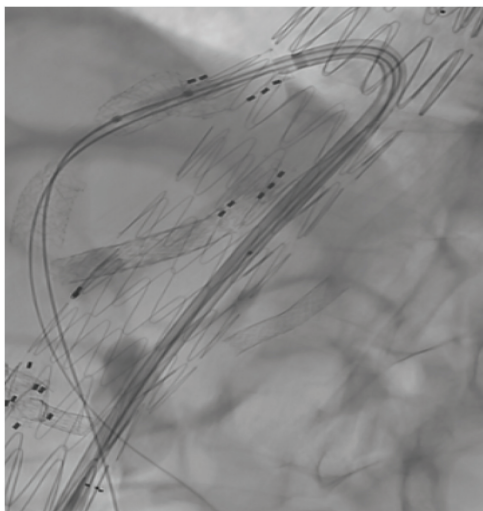


Figure 1 Introducing a sheath with two 0.018 Fr wires.

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after graft separation in a complex aortic case. This is a simple method, and the limitation is usually the catheter size and the types of wires and catheters that are available. Double wires can be used in both acute and elective cases, and the use of steerable sheaths is very helpful in these situations.

Ethics Statement

- (1) All the authors mentioned in the manuscript have agreed to authorship, read and approved the manuscript, and given consent for submission and subsequent publication of the manuscript.
- (2) The authors declare that they have read and abided by the JEVTM statement of ethical standards including rules of informed consent and ethical committee approval as stated in the article.

Conflicts of Interest

The authors declare that they have no conflicts of interest.

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