Transcirculation balloon-assisted stent-supported coil embolization of a basilar tip aneurysm

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We present the case of a balloon-assisted, stent-supported coil embolization of a basilar tip aneurysm. Initially, a balloon extending from the basilar artery into the right PCA was placed. However, even with a more proximal purchase, coils were found to impinge on the left PCA. Subsequently, a transcirculation approach was performed, where the left posterior communicating artery was utilized as a conduit for balloon support and the coils were embolized from the ipsilateral vertebral artery. However, after this transcirculation approach was completed, there was a coil tail extruding from the aneurysm. The balloon was then removed over an exchange wire and a horizontal stent advanced, spanning the entire neck of the aneurysm, eliminating the extruded coil.

References

The video can be found here: http://youtu.be/bMbtZoPnYvo.
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Key Words • basilar tip • aneurysm • transcirculation • stent assisted • embolization • video