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Acutely ruptured basilar artery bifurcation aneurysm, treated with simultaneous Cascade and Comaneci temporary-assisted coiling

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ABSTRACT

Temporary stent-assisted coiling is an eligible approach for the treatment of acutely ruptured complex cerebral aneurysms. Improved material properties and industrial advances in braiding technology have led to the introduction of new stent-like devices to augment endovascular coil embolization. Such technology includes the Cascade and Comaneci neck-bridging devices. Both devices are manually controlled, non-occlusive and fully retrievable neck-bridging temporary implants. The braided nature and the ultra-thin wire, compliant structure of their bridging meshes helps maintain target vessel patency during coil embolization. In this video (video 1) we demonstrate the straightforward combination of two temporary neck-bridging devices for the embolization of an acutely ruptured aneurysm of the basilar artery. Technical success and complete embolization of the aneurysm were recorded at the final angiography. In this technical video we discuss the technical nuances of the Comaneci and Cascade coil embolization.

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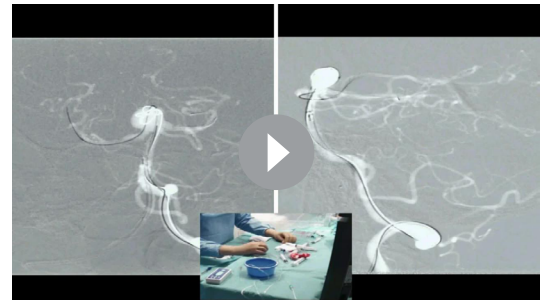
Ethics approval Ethics Committee of University Hospital Saint Ivan Rilski approved on 06.05.2019 (ID: 314/06.05.2019) the information consent, including permission to use the data in scientific papers. All patient data are anonymized.

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Video 1

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