

Diagnosis and Endovascular Treatment of a Symptomatic Giant Aneurysm of the Internal Carotid Artery

Supported by *syngo* DynaCT

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Patient history

A 62-year-old woman presenting with an acute onset of ophthalmoplegia.

Diagnosis

Giant broad-based aneurysm of the cavernous portion of the right internal carotid artery with compression of the oculomotor nerve.

Treatment

Endovascular stenting of the broad-based aneurysm and subsequent embolization using detachable platinum coils.

Comments

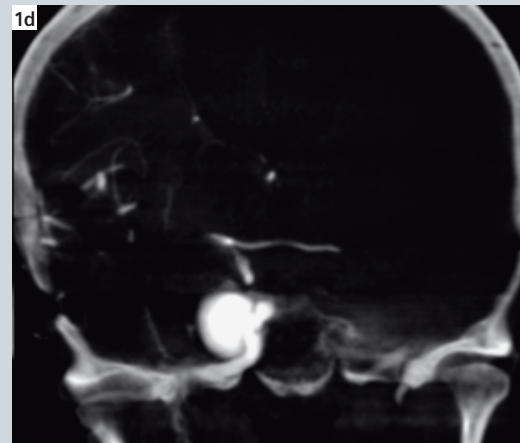
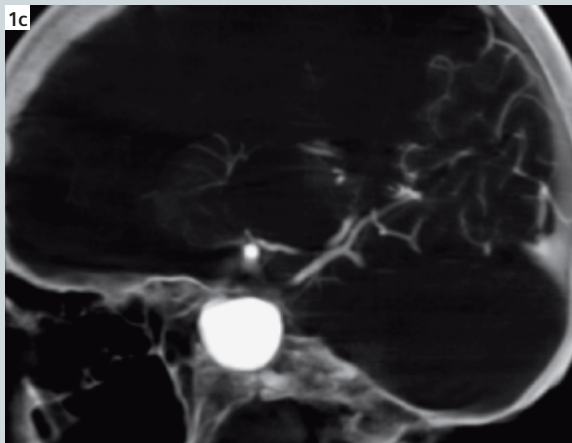
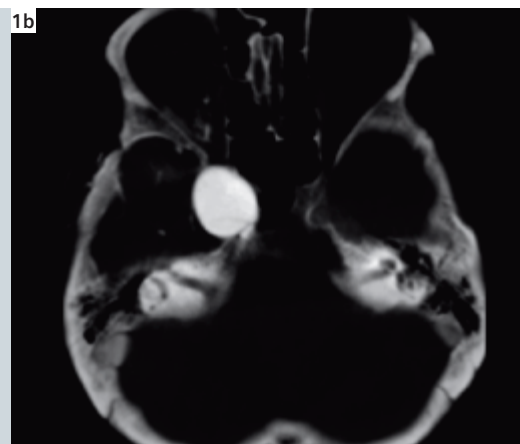
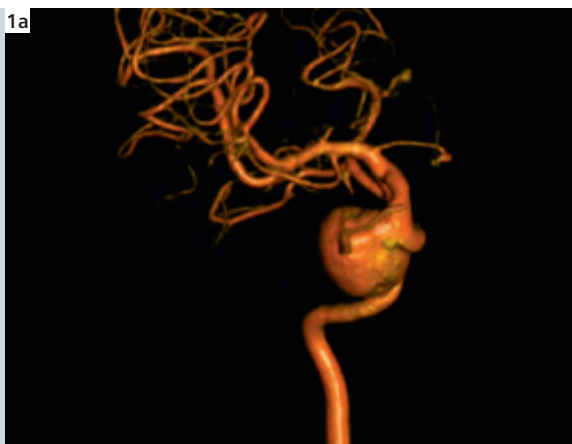
syngo DynaCT could nicely illustrate the aneurysm in different planes. Exact measurement for subsequent stent placement

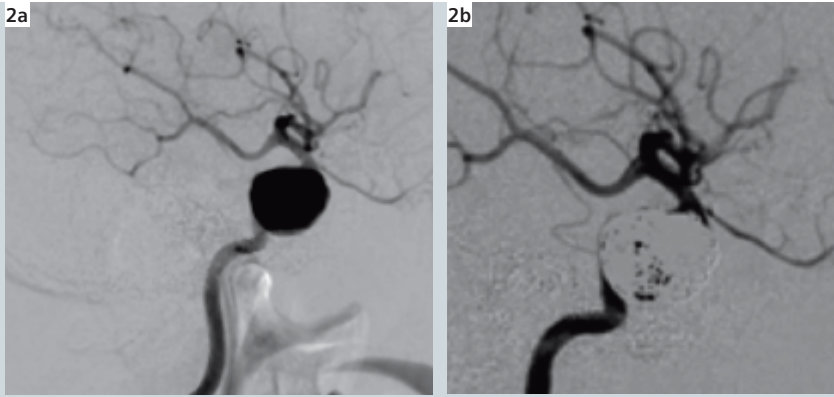
was facilitated. *syngo* DynaCT could also visualize the deployed stent and the final complete occlusion.

Contact

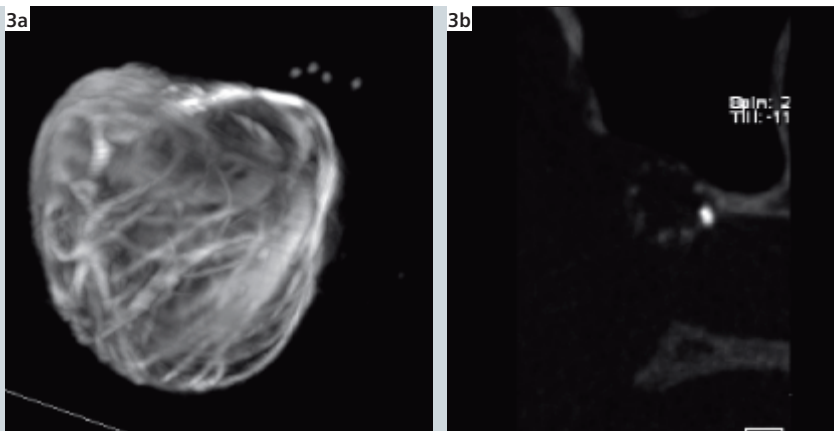
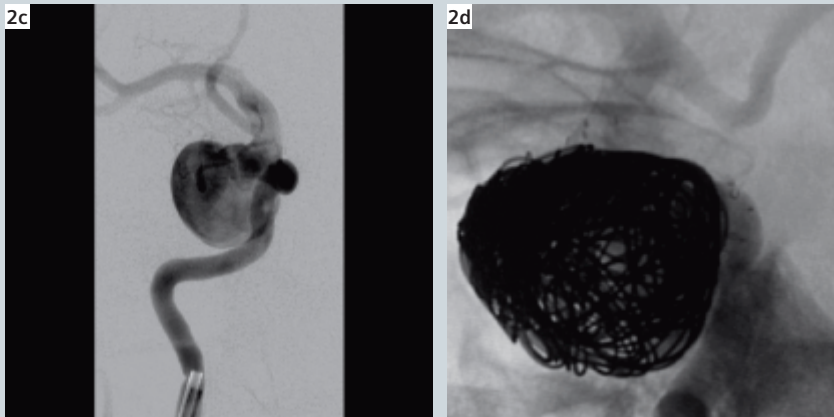
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1 [a-e] Giant aneurysm of the cavernous internal carotid artery. Rotational angio and multiformatted reconstruction of the 3D dataset.





2 [a-d] Before and after endovascular treatment using a self-expandable aneurysm microstent to bridge the broad aneurysm neck and subsequent complete aneurysm occlusion using detachable coils.



3 [a-e] *syngo* DynaCT could visualize the deployed microstent, with the microguidewire still in place. *syngo* DynaCT after subsequent coil embolization of the aneurysm through the stent struts.

