

**GREAT trial** is a randomized, controlled, multicentre trial in patients bearing cerebral aneurysms to be treated by **coil embolization**. Eligible patients were randomized to either coil embolization with **HydroSoft/HydroFrame** coils (>50 % of administered coil length), or bare platinum coils. Inclusion criteria were as follows: age 18-75, ruptured aneurysm (WFNS 1-3) and unruptured aneurysm with a diameter between 4 and 12 mm. Anatomy such that endovascular coil occlusion deemed possible and willingness of the neurointerventionalist to use either HydroSoft/HydroFrame or bare platinum coils. Exclusion criteria were as follows: aneurysms previously treated by coiling or clipping. Primary endpoint is a composite of major aneurysm recurrence on follow-up angiography and poor clinical outcome (modified Rankin scale 3 or higher), both assessed at 18 months post treatment. Risk differences for poor outcomes will be estimated in a modified intention-to-treat analysis stratified by rupture status (DRKS-ID: DRKS00003132) <sup>1)</sup>.

<sup>1)</sup>

Taschner C, Chapot R, Costalat V, Courthéoux P, Barreau X, Berge J, Pierot L, Kadziolka K, Jean B, Blanc R, Biondi A, Brunel H, Gallas S, Berlis A, Herbreteau D, Berkefeld J, Groden C, Urbach H, El Shikh S, Graf E, Bonafé A. GREAT-a randomized aneurysm trial. Design of a randomized controlled multicenter study comparing HydroSoft/HydroFrame and bare platinum coils for endovascular aneurysm treatment. *Neuroradiology*. 2015 Jun;57(6):599-604. doi: 10.1007/s00234-015-1501-0. Epub 2015 Feb 28. PubMed PMID: 25724881.

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