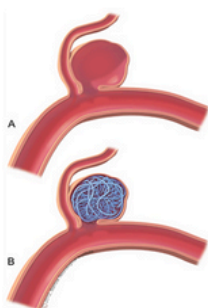


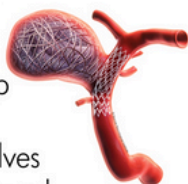
WHAT IS ENDOVASCULAR COILING?



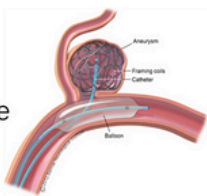
Endovascular coiling is a minimally invasive technique which uses a catheter to reach the brain, rather than having to perform an incision in the skull (craniotomy). A flexible catheter is advanced through the femoral artery (groin) to one of the four

arteries in the neck that lead to the brain. Once the catheter reaches the aneurysm, a very thin platinum wire is inserted. The wire coils up as it enters the aneurysm and then is detached. Multiple coils are packed inside the dome of the aneurysm to block normal blood flow. Over time, a clot forms inside the aneurysm, effectively removing the risk of rupture. Coils remain inside the aneurysm permanently.

Additional devices, such as a stent or a balloon may be needed to help keep the coils in place inside the aneurysm. Stent assisted coiling involves permanently placing a stent in the vessel adjacent to the aneurysm to provide a scaffolding of support that keeps the coils within the aneurysm sac.



Balloon remodeling involves placing a removable balloon adjacent to the aneurysm while coils are positioned in the aneurysm.



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