

EVIDENCE-BASED EXCELLENCE.

Hydrogel Coils Unique to MicroVention

Hydrogel Coils - A Rigorously Studied Coil Technology

Repeatedly proven hydrogel coil technology provides a scaffold for endothelialization at the aneurysm neck.

Hydrogel is a pH - activated material that expands to a specified diameter within the coil's primary wind when exposed to blood.



Proven in Studies to Deliver

Multiple Randomized Controlled Trials

Lower Recurrence & Comparable Safety



Superior Progressive Occlusion³

In a comparative study of endothelialization at the aneurysm neck, the hydrogel coil group generated a thicker layer versus the bare platinum coil group at two and four weeks post-implantation. Aneurysms treated with hydrogel coils have superior



Higher Packing Density With Fewer Coils

References:

- 1. Taschner CA, Chapot R, Costalat V, et al. Second-generation hydrogel coils for the endovascular treatment of intracranial aneurysms. Stroke. 2018;49:667-674.
- 2. Bendok BR, Abi-Aad KR, Ward JD, Kniss JF, Kwasny MJ, Rahme RJ, et al. The hydrogel endovascular aneurysm treatment trial (HEAT): a randomized controlled trial of the second-generation hydrogel coil. Neurosurgery. 2020 May 1;86(5):615-624.
- 3. Iseki S, Mitome-Mishima Y, Ogino I, Suga Y, Yatomi K, Nonaka S, et al. Histological and transmission electron microscopy results after embolization with HydroSoft/HydroFrame coils in experimental swine aneurysm. *Biomed Res Int*. 2019 Dec;2019:4834535.



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For healthcare professional intended use only.

RX Only: Federal (USA) law restricts this device to sale by or on the order of a physician.

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INDICATIONS FOR USE:

The HydroCoil® Embolic System (HES) is intended for the endovascular embolization of intracranial aneurysms and other neurovascular abnormalities such as arteriovenous malformations and arteriovenous fistulae. The HES is also intended for vascular occlusion of blood vessels within the neurovascular system to permanently obstruct blood flow to an aneurysm or other vascular malformation and for arterial and venous embolizations in the peripheral vasculature. The device should only be used by physicians who have undergone pre-clinical training in all aspects of HES procedures as prescribed by MicroVention.

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