

While endoluminal [flow diverters](#) function from within the [parent artery](#) by providing a [scaffold](#) for [endothelial cell](#) growth at the [aneurysm neck](#) and induction of intra-aneurysmal [thrombosis](#) ¹⁾ [endosaccular devices](#) mimic the endoluminal devices but within the aneurysmal sac itself. ²⁾

Several endosaccular flow disruptors have been developed, including the [Woven EndoBridge](#) (WEB; Microvention, Aliso Viejo, California), which was introduced in Europe in [2011](#), and [Medina](#) (Medtronic, Dublin, Ireland), [Artis](#) (formerly LUNA; Medtronic) ³⁾ ⁴⁾

¹⁾

Kadirvel R, Ding YH, Dai D, Rezek I, Lewis DA, Kallmes DF. Cellular mechanisms of aneurysm occlusion after treatment with a flow diverter. Radiology. 2014;270(2):394-399.

²⁾

Ding YH, Lewis DA, Kadirvel R, Dai D, Kallmes DF. The Woven EndoBridge: a new aneurysm occlusion device. AJNR Am J Neuroradiol. 2011;32(3):607-611.

³⁾

Munich, SA, Chen, M. Endovascular advances in the treatment of cerebral aneurysms: an overview of the development of new neuroendovascular techniques and technology for the treatment of cerebral aneurysms. Endovasc Today. 2017;2(16):66-70.

⁴⁾

Rajah G, Narayanan S, Rangel-Castilla L. Update on flow diverters for the endovascular management of cerebral aneurysms. Neurosurg Focus. 2017;42(6):E2.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=flow_disruptor

Last update: **2024/06/07 02:56**

