

Findings in animal studies, which are currently being tested for confirmation in humans, have found that naturally occurring variants of a novel “collateral gene”, [Rabep2](#), result in large differences in the extent of anatomic collaterals and thus blood flow and infarct size in [mice](#) after [stroke](#). The comprehension of [collagerogenesis](#) in humans and the evaluation of collateral status could aid in identifying patients who will benefit not only from [mechanical thrombectomy](#) in the extended time window, but also from any [reperfusion](#) strategy.

Piedade et al. performed a literature review focused on radiographic, clinical and genetic aspects of the collateral circulation ¹⁾.

¹⁾

Piedade GS, Schirmer CM, Goren O, Zhang H, Aghajanian A, Faber JE, Griessenauer CJ. Cerebral collateral circulation: A review in the context of ischemic stroke and mechanical thrombectomy. World Neurosurg. 2018 Oct 17. pii: S1878-8750(18)32363-5. doi: 10.1016/j.wneu.2018.10.066. [Epub ahead of print] Review. PubMed PMID: 30342266.

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