Arterial bifurcation

The bifurcation of an aneurysm represents preferred locations for aneurysm formation, especially when they are associated with variations in divider geometry.

The Cerebral arteries (CAs) bifurcations do not represent regions of decreased artery wall strength [1].

Tütüncü et al., hypothesized a link between basilar apex aneurysms and basilar artery bifurcation (a) and vertebrobasilar junction (VBJ) angles [2]

see Bifurcation aneurysm

1)
Lombarski L, Kunert P, Tarka S, Piechna A, Kujawski S, Marchel A. Rupture pressure values of cerebral arteries in the presence of unruptured intracranial aneurysm. Sci Rep. 2022 Jun 18;12(1):10294. doi: 10.1038/s41598-022-13341-8. PMID: 35717502.
2)
Tütüncü F, Schimansky S, Baharoglu MI, Gao B, Calnan D, Hippelheuser J, Safain MG, Lauric A, Malek AM. Widening of the basilar bifurcation angle: association with presence of intracranial aneurysm, age, and female sex. J Neurosurg. 2014 Dec;121(6):1401-10. doi: 10.3171/2014.8.JNS1447. Epub 2014 Oct 3. PubMed PMID: 25280096.