

Cranial Arterial Circulation



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This 3D print presents an expanded version of the same dataset that underlies our circle of Willis 3D print derived from careful segmentation of angiographic data. Like our circle of Willis print, this model demonstrates the internal carotid and vertebral arteries entering the skull, branching into the intracranial arteries that supply the brain. This more expanded 3D print of the internal carotid and vertebral artery anastomoses and branches, inclusive of the circle of Willis, displays the full branching pattern of the cerebral and cerebellar arteries. This includes the pericallosal arteries (from the anterior cerebrals) with its named branches, the superior and inferior divisions of the middle cerebral (including sulcal, temporal, and parietal arteries), and the posterior cerebral artery branches.

