

P1 segment

peduncular segment(P1)

- mesencephalic perforating aa. (⇒ tectum, cerebral peduncles, and these nuclei: Edinger- Westphal, oculomotor and trochlear)
- interpeduncular thalamoperforators (1st of 2 groups of posterior thalamoperforating aa.)
- medial post. choroidal (most from P1 or P2)
- “[artery of Percheron](#)”: a rare anatomic variant ¹⁾ in which a solitary arterial trunk arising from the proximal segment of one PCA supplies the paramedian thalami and rostral midbrain bilaterally

P1 of the [posterior cerebral artery](#): from its origin at the termination of the [basilar artery](#) to [posterior communicating artery](#) (PCOM), within [interpeduncular cistern](#).

(AKA mesencephalic, precommunicating, circular, peduncular, basilar...). The long and short circumflex and [thalamoperforating arteries](#) arise from P1

¹⁾

Percheron G. The anatomy of the arterial supply of the human thalamus and its use for the interpretation of the thalamic vascular pathology. Z Neurol. 1973; 205:1-13

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Last update: **2024/06/07 02:58**

