

CORELATION BETWEEN VARIATIONS OF CIRCLE WILLIS WITH HYPOPLASIA OF ANTERIOR CEREBRAL ARTERY AND ISCHEMIC STROKE

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Anterior cerebral artery hypoplasia of A1 segment is a fetal variant of circle of Willis (C.W) with frequency 3-13%. Impaired of collateral blood flow of C.W is a risk factor for ischemic change and ischemic stroke. In our study we have examined 60 patients with ischemic stroke compared with control group. All patients have done angio MRI within 72h of stroke. In our group we have found 9 (15%) patients with hypoplasia of A1 segment, and in control group 2 patients (3.3%), so it was very high in our group. the majority of patients had ipsilateral striatal lacunar infarct.