

Prognostic value in functional outcome of risk factors for ischemic stroke including laterality: A cohort study

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Background: Ischemic stroke has different etiologies. CVD is a public health problem, in developed countries is high cause permanently disability with high social, economic, sanitary impacts. Several stroke risk factors have been identified, there is controversy for laterality in the outcome. OBJECTIVE: To determine prognostic value of several factors associated with a lesion according disability and mortality in anterior circulation ischemic stroke including the hemispheric location. METHODS: An observational, analytic, prospective, cohort study was, with case-controls analysis. 93 adult patients with ischemic stroke, March – August, 2017. Two instruments were developed, one to collect variables from medical records and other for dependent variable, mRankin, which was used to objectify functional status at three months. Bivariate analysis with the dependent variable and those statistically significant. RESULTS: 67 mean age, 53.8% men, 38.7% active smokers, 15.1% consume alcohol. Median time to treatment was 5 hours (3-24). 53.8% moderate NIHSS; etiology found in 35.5%, cardioembolic and aortic arch plaques most frequent. Majority not on thrombolytic therapy. 8.6% had hemorrhagic transformation. At three months mortality was 7.5%, mRankin was moderate in 23.7%. Bivariate analysis identified left hemispheric stroke as unfavorable variable according disability OR 2.51; [CI95%: 1.06-5.9]. P=0.03. CONCLUSIONS: In this cohort study left hemisphere Stroke is an unfavorable risk statistically significant for outcome in terms of disability and mortality.