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Khorasan posterior circulation stroke registry: A hospitalbased study

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View references ([↑] ·)

Abstract

Background: Clinical information about stroke in the vertebrobasilar territory has lagged behind that for anterior circulation syndrome. This is the first report from posterior circulation syndrome registry in Iran. Methods: Consecutive patients with brain infarction in vertebrobasilar territory admitted to Ghaem hospital, Mashhad were enrolled in a prospective study during Y · · ٦ - ٢ · · · V. Diagnosis of ischemic stroke in the posterior circulation was made by a stroke neurologist based on the clinical manifestations and neuroimaging. Vertebrobasilar territory infarcts were classified into five groups according to the location involved: brainstem, thalamus, cerebellum, posterior cerebral artery, and mixed categories. All of the stroke patients underwent a standard battery of diagnostic investigations and the etiology of ischemic stroke was determined by the Practical Iranian Criteria classification. The VY-hour stroke course determined as regressive, stable, and deteriorative. Results: Total of *** patients (15% females, 100 males) with mean age TY, o years (± YY, Y) were investigated. Posterior cerebral artery, thalamus, brain stem, cerebellum, and Atheros cleros is consisted a., 1% of etiologies in our patients followed by uncertain (Ya,a%), cardioembolism (Ya,a%), both atheros derosis and cardioembolism (٦,٣٪), and mis cellaneous causes (٤,٦٪). Rheumatic mitral stenosis was the cause in ٣٤,٢% of our patients with cardiac emboly. The distribution of stroke etiologies based on its localization was followed by deteriorative (۲۲,۱%), and regressive (۲۰,۲%). A significant association between stroke localization in the vertebrobasilar territory and its course was not found (df=^, and P= ·, 9 · ·). Conclusion: Atheros clerosis is the most common cause of posterior circulation syndrome in Iranian patients. The cause of stroke in the posterior circulation could not reliably be derived from infarct topography.

Reaxys Database Information

Author keywords

Posterior circulation; Stroke; Vertebrobasilar

Indexed Keywords

EMTREE medical terms: adult; article; atherosclerosis; brain infarction; brain stem; cerebellum; cerebrovascular accident; clinical feature; defense mechanism; disease course; disease registry; embolism; female; hospital admission; human; Iran; major clinical study; male; medical specialist; mitral valve stenosis; neuroimaging; posterior cerebral artery; prospective study; stroke; thalamus; vertebral artery

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