

Evaluation of central nervous system vasculitis in children pediatric rheumatologic clinic

Abstract

Introduction :

Vasculitis CNS is inflammation of the blood vessels in the brain. It is as an autoimmune disease in which the immune system detects normal cell in the blood vessels of brain as a harmful cells and attacks to them. The epidemiological, clinical and laboratory findings has increased accuracy of its diagnosis. However, many challenges has been remained in diagnosis and treatment of this disease in children. Hence this study examined children with CNS vasculitis.

Material and Method :

There is a descriptive study. In this study were selected information of all children with CNS vasculitis who referred to pediatric rheumatology clinic and also demographic and MRA findings were entered into the check lists which had been designed previously. After completing check lists, obtained data were entered into the SPSS v16 statistic software and by using descriptive statistics were expressed in the form of charts and tables.

Results :

In this study the average age of patients were 8 ± 3.93 years, 55% were girl, MRI and MRA were used to diagnose patients. The average age of onset symptoms, was 5.63 ± 3.21 years. The most common symptoms was headache. 63.63% of children with cPCNS had small vessel involvement and 63% of these patients showed involvement of ACA and MCA. Among them 77.27% responded good to the treatment.

Conclusion :

Results showed that CNS vasculitis in children mainly involved small arteries and anterior and middle cerebral arteries and majority of patients respond good to treatment.

Keywords: vasculitis, ischemia, angiography