

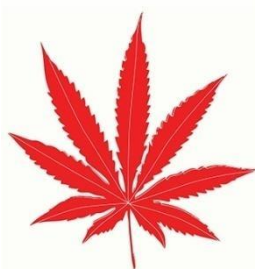


12th Pak Pharma Healthcare Expo

4th Pakistan Food -Nutrition International Summit 2023

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Amna Babar. A Rare Case Report of Denovo Cerebral Avm With Review of Rankin Score and Rupture Rate of Avm in Pediatric Population. Can J Appl Sc. Vol. 13. 2023. p 9- 10.

Conference Abstract

A RARE CASE REPORT OF DE NOVO CEREBRAL AVM WITH REVIEW OF RANKIN SCORE AND RUPTURE RATE OF AVM IN PEDIATRIC POPULATION

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Abstract

Background:

Arteriovenous malformation are complex lesions that is formed by the intermingling of arterial and venous channels connected by fistulas. They rarely have acquired pathological roots and mostly develop as congenital lesions with increased incidence of rupture of these intermingled lesion manifests with vast neurological deficits that is recorded physically by Rankin scale of physiological disability and can be radiologically diagnosed and characterized by magnetic resonance imaging.

Case Presentation and Methodology:

In this case report, we have retro- prospectively analyzed the case of a 16-year-old diagnosed with De Novo cerebral arterio venous malformation. The patient presented with a history of mild headaches and seizures with no neurological deficits reported at the time of admission. T2 weighted MRI of brain presented with hyperintense signal originating from thalami to the parietal-occipital region of the cerebrum with unruptured lesions of >3.5cm falling in the Spletzer – Martin Grade 3 of AVM and this particular case fell under the Rankin score 1+ despite the continuous invasive nature of AVM lesions and persistent unruptured status of AVM lesion. And for the review we have systematically reviewed the 10 articles from the year 2010 till 2022 from Pub Med, Ncbi and google scholar to evaluate the rupture incidence of AVM lesions

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The authors declare no competing interests

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in pediatric population.

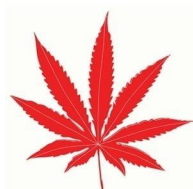
Conclusion:

This case presented as a breakthrough study because of the young age of the patient with non-congenital origin and low Rankin Score despite the location of AVM. And the review study revealed that the rupture rate increases of AVM with increased focal neurological deficits in the pediatric population.

Keywords: Cerebral Avm, Arteriovenous Malformation, lesions

Declaration

The abstract is reviewed and accepted by the Conference Organization Committee of 12th Pak Pharma Healthcare Expo. The presenter was permitted to share his research after final approval of the committee. The scientific research information was presented at 4th Pakistan Food -Nutrition International Summit 2023 held on February 15-16, 2023 at Expo Centre Lahore, Pakistan. Hence, the journal is publishing this abstract on behalf of the aforesaid Conference Organization Committee.



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