

Images in clinical medicine

Aneurysmal bone cyst D4-D5 level

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Received: 26 Jun 2022 - **Accepted:** 05 Jul 2022 - **Published:** 15 Aug 2022

Keywords: Aneurysmal cyst, spinal tumor, multilocular cyst

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Cite this article: Snehal Subrat Samal et al. Aneurysmal bone cyst D4-D5 level. Pan African Medical Journal. 2022;42(280). 10.11604/pamj.2022.42.280.36079

Available online at: <https://www.panafrican-med-journal.com//content/article/42/280/full>

Aneurysmal bone cyst D4-D5 level

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Image in medicine

Presenting a magnetic resonance image (MRI) finding of an 11-year-old female child who presented to us with the chief complaints of pain at thoracic spine and bilateral lower limbs. Magnetic resonance findings as per imaging protocol (sagittal TSE T2W1) revealed a multilocular cystic lesion which is noted in D5 vertebral body extended into both lamina and spinous process showing fluid-fluid level compressing spinal cord at D4 and D5 level likely s/o aneurysmal cyst. Aneurysmal cyst is rare. In 16% of cases it commonly affects the spine. The patient narrated that the weakness rapidly increased within 4 days and she started walking with support. For these complaints, the parents

took her to a private practitioner where nerve conduction velocity (NCV) was done which was normal. The patients had more weakness at right lower limb as compared to left lower limb. She was admitted for the same and post-surgery after 3 days' physiotherapy had been started. Post-operative physiotherapy assessment shows decreased superficial sensations, reflexes and strength (MMT grade 3/5 at right lower limb and

grade 4/5 at left lower limb). Strengthening exercises of lower limb had started along with bedside mobilization. Before discharge, she had a grade of 4+ on the muscle power assessment (MRC) grading scale. Early medical and surgical management along with post-operative rehabilitation is the way to recovery in such patients.



Figure 1: MRI finding of aneurysmal bone cyst at D4-D5 level