

17. Anterior Spinal Cord Adhesion Syndrome: A Case Report and Common Imaging Findings

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Purpose

The aims of this poster are:

1. To define Anterior Spinal Cord Adhesion Syndrome (ASCAS)
2. To describe the symptoms, causes and imaging findings of ASCAS
3. To discuss the case of a 59 years old patient presenting with Thoracic ASCAS

Methods and Materials

Anterior Spinal Cord Adhesion Syndrome is a rare cause of chronic progressive anterior hemicord myelopathy. This syndrome can have multiple causes, the most commonly cause discussed in the literature is the herniation of the cord secondary to a dural defect or anterior displacement of the cord secondary to a posterior arachnoid cyst.

Results

With the use of a case report, we will describe the common symptoms and presentations of ASCAS and the natural disease progression. We will discuss the best imaging techniques for the assessment of the spinal cord and the expected radiological findings, including pitfalls to be avoided, in the context ASCAS secondary to spinal cord herniation and dural adhesion.

Conclusions

Anterior Spinal Cord Adhesion Syndrome is increasingly being described in the literature as a cause of anterior cord myelopathy. Radiologists should be aware of the entity and the common imaging findings in order to ensure prompt and accurate diagnosis and management.