

維生素B12 缺乏症合併脊髓症狀：磁振造影之表現

## Cobalamin Deficiency with Myelopathy: MRI

### Finding

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#### 摘要

我們報告一名 61 歲男性因維生素 B12 缺乏症合併脊髓症狀已一個月之病例。治療前胸椎（T7-T10）之 T2 加權磁振影像呈現脊髓後柱對稱性訊號增加，椎體骨髓在 T1 與 T2 加權影像均呈現低訊號，隨後之檢驗證實維生素 B12 缺乏。治療後，磁振影像所見之脊髓後柱高訊號消失，同時骨髓亦恢復正常訊號，與臨床病情改善表現一致。

#### Abstract

We described a 61-year-old man with cobalamin deficiency presenting with thoracic myelopathy for one month. Initial T2-weighted MR images revealed abnormal symmetrical hyperintense signal at posterior column of the spinal cord between T7 and T10 levels. The vertebral bone marrow depicted abnormal hypointense signal on both T1 and T2-weighted images. Subsequent serological test confirmed cobalamin deficiency. Although only few cases have been reported, abnormal MRI findings on the spinal cord and vertebral bone marrow should alert clinicians to consider Cobalamin deficiency. Laboratory tests should be performed to confirm the diagnosis. In our case, follow-up MRI findings correlated well with clinical outcome after treatment