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Extrapontine myelinolysis caused by the rapid correction of
pituiratin-induced severe hyponatremia: A case report

Liang-Jie Fang, Ming-Wei Xu, Jian-Ying Zhou, Zhi-Jie Pan

Abstract

BACKGROUND

Severe hyponatremia is considered a rare complication of pituitrin, which is widely used for the treatment of pulmonary hemorrhage. However, the management of pituitrin-associated hyponatremia can be challenging because a rapid correction of hyponatremia may cause the development of osmotic demyelination syndrome, resulting in life-threatening neurological injuries.

CASE SUMMARY

A 20-year-old Chinese man with massive hemoptysis developed

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Author: Liying Zhuang, Ziqi Xu, Yaguo Li, Ben... **Publish Year:** 2014

Author: Liying Zhuang

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Central pontine and **extrapontine myelinolysis** can occur following even gradual **correction** of **hyponatremia**, as shown in the present **case**. More attention should be paid to correcting **hyponatremia** combined with hypokalemia in patients who have a history of alcoholism.

Author: Tae Hyun Baek, Seung-Ho Yang, Jae ... **Publish Year:** 2014



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Drugs such as **pituitrin** can **cause profound hyponatremia**, which should be considered in the differential diagnosis when approaching a patient with hyponatremia. 2) **Osmotic myelinolysis** is most frequently **associated with rapid correction** of hyponatremia . Prevention of **CPM** and **EPM** by exercising caution in the **correction** of hyponatremia, especially **chronic hyponatremia**, is more ...

Author: Liying Zhuang, Ziqi Xu, Yaguo Li, Ben... **Publish Year:** 2014

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Prevention is of utmost importance because once established, central **pontine myelinolysis** carries a very poor prognosis in terms of **mortality and severe disability**. **Central pontine and extrapontine myelinolysis** can occur following even **gradual correction of hyponatremia**