

中文題目：Ommaya 系統外漏-病例報告和文獻複習

英文題目：Leakage of the Ommaya system - A case report and review of the literature

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### **Abstract**

Ommaya reservoir is an intraventricular device used for intrathecal administration of medication such as chemotherapy, palliative analgesics, or central nervous system (CNS) aspiration. It is widely used in hematological malignancy.

We presented a 47-year-old Taiwanese man who had no previous medical history receiving treatment of chronic myeloid leukemia with acute blastic change in 2008. He had induction chemotherapy and Imatinib with first complete remission (CR1). However, partial remission with CNS involvement was noted next year. He has three times one week monthly intraventricular chemotherapy from Ommaya reservoir. He presented with sudden left side weakness but clear consciousness 2 weeks after last intraventricular chemotherapy treatment without trauma history in March 2010. A contrast enhanced CT and gadolinium-enhanced magnetic resonance image of the brain was performed and are shown infiltrative lesions at the corticomedullary junction of the right high frontal lobe. Ommaya leakage is confirmed by the neurosurgeon and it was removed immediately. The patient's muscle power of left arm and leg increased after the surgery. He had Dasatinib with second complete remission (CR2) and discharged one month after. According to the literatures, complications of Ommaya reservoir is not low but once there's complication, rate of death is high. Ten years after now the patient is alive and well with good motor functions.

**Keywords:** Ommaya reservoir, Leukemia, Lymphoma, Chronic myelogenous leukemia, complications, Central nervous system (CNS) prophylaxis/ treatment/ therapy