

Solitary brain metastasis from gastric adenocarcinoma

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Back ground: Gastric cancer is the most frequent malignancy in Korea. Metastasis from gastric cancer usually occurs in the abdominal cavity, peritoneum, lymph nodes, liver, lung and bone; Central nervous system metastasis is a rare manifestation of gastric cancer, occurring in 0.16-0.69% of patients. Especially, metastasis only limited to the brain is very rare. In this report, we present the case of an adult patients with gastric cancer be found only brain metastasis, even if adjuvant chemotherapy was done. **Clinical course:** A 56-year-old male patient presenting with Rt. motor weakness for several months and was admitted to our hospital in 2017.06. The patient was especially difficult to hand grip motion, so admitted to a neurosurgery Dept. and found brain mass in the brain MRI(Fig A). The patient had a craniotomy & gross total removal of tumor OP. And the biopsy result revealed metastatic adenocarcinoma, primary in stomach. A total gastrectomy c Roux-en-Y esophagojejunostomy with D2 L/N dissection OP was performed on the patient on 2014.04. Postoperative pathological analysis indicated moderately differentiated tubular adenocarcinoma, 6.2x5.5cm, Bormann type III, No serosal invasion, T4a(se)N2(3/44)M0, StageIIIB. After surgery, the patient received adjuvant chemotherapy with oral TS-1 for 1 year. After that, Regular follow-up GFS and Abdomen CT, Bone scan checks showed no recurrence. Even at that time when found a mass in Brain in 2017.06. and from now on, there is no metastasis in other parts of the body. Only the patient had brain metastasis. The patient got 2 times of neurosurgery (2017.06, 2019.03), and 1 time of stereotactic radiosurgery(2018.04). And now, the patient is received palliative chemotherapy with capecitabine and cisplatin every 3 weeks for systemic treatment. **Conclusion:** We present the rare case of gastric cancer with only brain metastasis recurrently without other body site metastasis. For patients of gastric cancer, although the risk of brain recurrence of gastric cancer is rare, great attention should be paid on these patients who developed CNS symptoms.

