



# Pancreatic Cancer Metastases to the Extraocular Muscles

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## Keywords

Pancreatic cancer; Diplopia

## Clinical Image

A 46-year-old man was admitted to our hospital complaining of diplopia. Physical examination showed lateral external ophthalmoplegia and no pupillary abnormalities (Figure 1). Magnetic resonance imaging showed a mass in his left extraocular muscle (Figure 2). Abdominal computed tomography showed an 85-mm solid tumor in the pancreatic tail and metastases to brain and bone. A EUS-FNA specimen from the pancreatic tumor gave a histological diagnosis of pancreatic cancer. The patient received chemotherapy and radiotherapy; his ocular motility improved and his diplopia resolved. Metastases to extraocular muscles are a rare presentation of metastatic pancreatic cancer, although metastatic cancer has a prevalence of 1% to 13% of all orbital tumors [1]. Diplopia, blurred vision, and ocular pain are common symptoms of metastases to the orbit [2]. Metastases to the extraocular muscles should be considered in differential diagnoses for diplopia.



Figure 1: Lateral external ophthalmoplegia and no pupillary abnormalities.

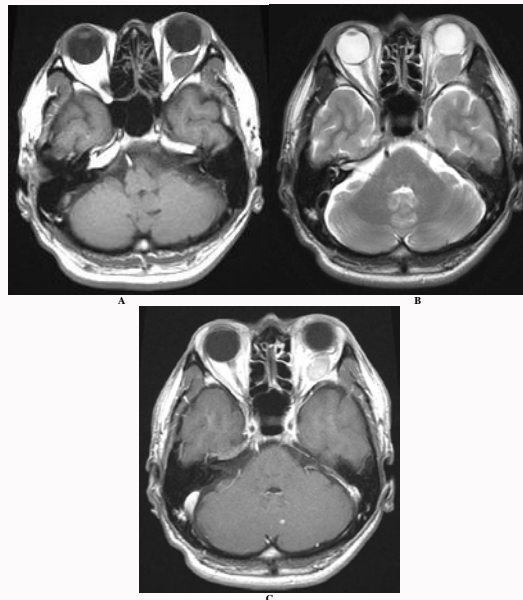


Figure 2: Magnetic resonance imaging showed a mass in his left extraocular muscle.

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Received Date: 20 Jul 2017

Accepted Date: 10 Aug 2017

Published Date: 17 Aug 2017

### Citation:

Tsuji K, Kito Y, Doyama H. Pancreatic Cancer Metastases to the Extraocular Muscles. *J Gastroenterol Hepatol Endosc.* 2017; 2(2): 1013.

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