

LIVER METASTASIS NET G3 WITH ADENOCARCINOMA AND CHONDROSARCOMA COMPONENTS, ORIGINATING OF GASTRIC NET AS PRIMARY LOCATION. A CASE REPORT.

M.Karakeke¹, A. Panagakis¹, E. Karakeke¹, S. Davakis¹, A. Alexandrou¹

¹First Department of Surgery, Laikon General Hospital, National and Kapodistrian University of Athens

34^o ΠΑΝΕΛΛΗΝΙΟ
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BACKGROUND

Well differentiated gastric Neuroendocrine Tumors (NETs) represent 5-15 % of whole Gastrointestinal NETs while the accurate percentage of liver metastasis remains unknown for this specific grade(G3). Although there is little data for managing the NET G3, with surgical resection being the indicated treatment, metastatic NET G3 treatment is controversial. Also the existence of non endocrine components in liver metastasis is extremely rare which renders the management more challenging.

CASE PRESENTATION

A 76 year old female mentioning fatigue and weight loss undergoes CT scan showing liver metastasis and retropancreatic lymph nodes . Both the upper endoscopy and colonoscopy were negative for primary cancer. Core biopsy of the liver lesions revealed well differentiated NET of high Ki 67 , suggesting upper GI or pancreas as the primary location. After the administration of neoadjuvant chemotherapy, re-evaluation of staging showed no response concerning the liver metastasis , while a gastric NET was detected. Subtotal gastrectomy , Roux en Y anastomosis, left hepatectomy and microwave ablation of liver metastasis were performed. After 11 days of hospitalisation the patient was discharged.

The histological examination showed a well differentiated gastric NET grade 3, Ki67 25% . The largest hepatic lesion was characterised as a NETG3 Ki67 50% with co-existence of adenocarcinoma and chondrosarcoma regions counting less than 30%.

CONCLUSION

Since liver metastasis is mainly characterised as NET G3 with both adenocarcinoma and chondrosarcoma component counting less than 30% it fails to be classified as MiNEN (Mixed endocrine Nonendocrine Neoplasm) . This raises the question of management and prognosis of NETs with non endocrine components, since there are no specific guidelines for these rare tumors. Taking these into consideration a multifaceted approach was decided starting with chemotherapy and debulking surgery .

