

SUCCESSFUL TREATMENT OF THE PATIENT WITH COMMON METASTATIC BREAST CANCER WITH PERTUZUMAB, TRASTUZUMAB AND DOCETAXEL

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Introduction - Purpose : Breast cancer is the most common cancer among women all over the world and about 1.4 million new breast cancers are diagnosed each year. Approximately 15-25% of patients with breast cancer may have HER2 positivity. Pertuzumab is a monoclonal antibody and HER2 dimerization inhibitor. After combination of pertuzumab, trastuzumab and docetaxel approximately 41 months of average survival has been achieved in HER2-positive metastatic breast cancer patients. We wanted to present a successful treatment with pertuzumab, trastuzumab and docetaxel with metastatic breast cancer.

Findings : A 50 - year - old female patient admitted to our out patient clinic with a diagnosis of invasive ductal carcinoma after biopsy in February 2016. We started treatment with pertuzumab, transtuzumab, docetaxel and zoledronic acid with ER (-), PR (70%), HER2 (+++) (FISH +), which were reported to have extensive bone and liver metastases on PET / CT imaging. And we have achieved almost complete remission for the liver lisions. The patient is still undergoing treatment.

Discussion : HER2 positive breast cancer cases are very aggressive and have poor prognosis. It has been shown that the combination treatment with pertuzumab, trastuzumab and docetaxel after CLEOPATRA study increased overall survival. We think that it is possible to increase the chance of complete remission especially in cases with common metastasis.

Keywords: METASTATIC BREAST CANCER, HER2+, PERTUZUMAB, TRASTUZUMAB