Introduction: The gastric adenocarcinoma is one of the most common cancers in the word. Much has been advanced, mainly in the molecular aspects that have attracted more and more attention from researchers as a promising therapeutic approach in advanced cases. Epithelial growth receptors (EGFR, HER1, HER2, HER3 and HER4) are cell membrane structures whose activation appears to have important relationship with the genesis of the neoplasm. Objective: to evaluate the HER2 expression on gastric adenocarcinoma from a Brazilian population and also to analyze the relationship between the receptor and clinical and pathological characteristics.

MATERIAL E MÉTODOS: Materials and methods: a retrospective analysis was conducted from January of 2008 to July of 2012, considering only gastrectomies with curative intent. Tumors were tested for HER2 status using immunohistochemistry. The relationship between HER2 status and clinical aspects, surgical findings and survival were also analyzed.

RESULTADOS: Results: 222 patients with gastric carcinoma were submitted to surgery during that period, 121 (54,5%) with curative intention. The immunohistochemistry revealed 4 patients (3,3%) HER2-positive, 6 patients (4,9%) HER2-undetermined and 111 patients (91,7%) HER2-negative. There was no statistical concordance between HER2 status and survival or the clinical aspects.

DISCUSSÃO: Conclusion: The HER2 over-expression rate was very low in this Brazilian population sample and did not show relation with the prognosis and with clinical features.

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ABSTRACT ID: EG3337293

TÍTULO: Her 2 Expression in Gastric Adenocarcinoma

OBJECTIVO:

INTRODUÇÃO:Introduction: The gastric adenocarcinoma is one of the most common cancers in the word. Much has been