



POSTER

Comparison of HER2 status in gastric adenocarcinoma patients between gastrectomy specimens and matched endoscopic specimens

Cuong Pham Hung, Hoang Yen Tran Nu

Head of Surgical Department 2, HCMC Oncology Hospital, Vietnam

*For correspondence:

phcuongvn@yahoo.com

Competing interests: The authors declare that no competing interests exist.

Received: 2017-06-01
Accepted: 2017-07-16
Published: 2017-09-05

Copyright The Author(s) 2017. This article is published with open access by BioMedPress (BMP).

This article is distributed under the terms of the Creative Commons Attribution License (CC-BY 4.0) which permits any use, distribution, and reproduction in any medium, provided the original author(s) and the source are credited.

Abstract

Background: To evaluate the concordance between HER2 status in both surgical specimens and matched endoscopic specimens of gastric adenocarcinoma patients.

Methods: Records of 52 patients with gastric adenocarcinoma diagnosed by upper GI endoscopy, treated by gastrectomy and Her2 status assessed (by immunohistochemistry (IHC) and fluorescence in situ hybridisation (FISH)) from June 2014 through July 2016 in HCMC Oncology Hospital were studied and presented in case series. Her2-positive status was defined by a score 3+ in IHC, or 2+ with a positive FISH test.

Results: + Her2-positive status was identified in 9.6%.

+ The concordance of Her2 status between endoscopic biopsy and surgical specimens was 98% (Kappa=0.879).

Conclusion: + There was a very high concordance between the Her2 status results performed on surgical specimens and matched endoscopic specimens.

+ Her2 status assessed on endoscopic biopsy specimens could be reliable for treatment decisions using anti-Her2 agents in patients with advanced gastric carcinoma.

Keywords

Concordance, Her2 status, endoscopic specimens, surgical specimens, gastric adenocarcinoma

Funding

References