



## **c-erbB-2 expression and prognosis of gastric cancer: a meta-analysis**

**Z.Q. Wang and B.J. Sun**

Department of Surgery, Affiliated Tongren Hospital,  
Shanghai Jiaotong University, Shanghai, China

Corresponding author: B.J. Sun  
E-mail: sunbaojun1976@yeah.net

Genet. Mol. Res. 14 (1): 1782-1787 (2015)  
Received February 12, 2014  
Accepted September 22, 2014  
Published March 13, 2015  
DOI <http://dx.doi.org/10.4238/2015.March.13.5>

**ABSTRACT.** The prognostic role of c-erbB-2 in gastric cancer is controversial. We conducted a meta-analysis to evaluate the relationship between c-erbB-2 expression and the prognosis of gastric cancer. We evaluated 20 published studies assessing the relationship between c-erbB-2 and gastric cancer prognosis. The Revman 5.0 software was used to perform literature retrieval, article selection, data collection, and statistical analysis. We utilized a fixed-effect model to pool hazard ratios and 95% confidence intervals from the studies. A total of 20 eligible studies including 4468 gastric cancer patients were analyzed. We were unable to demonstrate the prognostic value of c-erbB-2 for gastric cancer (hazard ratio = 1.01, 95% confidence interval = 0.87-1.16, P = 0.93). The present study indicated that c-erbB-2 expression is not a prognostic factor for gastric cancer.

**Key words:** c-erbB-2; Gastric cancer; Meta-analysis; Prognosis