ABSTRACT

Background: Prediction of prostate adenocarcinoma biological behavior is still a problem. Generally, prostate cancers do not cause complaints although sometimes have been already metastasized. Therefore, it is required parameters which can be used as prognostic factors so that therapeutic approaches can be more precise. This study analyzed the correlation of Her-2/ Neu expression, Gleason’s score and the incidence of bone metastases.

Methods: Assessment was performed on paraffin blocks of prostate adenocarcinoma patients who were diagnosed in Dr. Soetomo Hospitals during January 2009 - May 2012 and met the criteria, with total 28 samples, which each variable then analyzed with the Spearman and Chi Square test.

Results: Expression of Her-2/ Neu was mostly included in negative category (16/28 cases). Most of the cancers showed low differentiation or high grade (17/28 cases). The number of metastases were 16/28 cases. Testing the relationship between the expression of Her-2 / Neu and Gleason’s score, between HER-2/neu expression and metastasis as well as the Gleason’s score and metastasis showed non significant correlation.

Conclusion: There was non significant correlation between the expression of Her2/ Neu, Gleason’s score and the incidence of bone metastases in prostate adenocarcinoma.

Keywords: Adenocarcinoma of the prostate, Her-2/ Neu expression, Gleason’s score, bone metastase