CORRELATIONS IN SURVIVIN EXPRESSION WITH THE EXPRESSION OF p53 AND BCL-2 IN INVASIVE DUCTAL CARCINOMA OF THE BREAST

FS Al-Joudi¹, ZA Iskandar² and AK Imran³

¹School of Dental Sciences, ²Department of Chemical Pathology, School of Medical Sciences, University of Science of Malaysia, Kota Bharu; ³Kota Bharu General Hospital, Kota Bharu, Kelantan, Malaysia

Abstract. This work studied the correlations between survivin, bcl-2 and p53 in infiltrating ductal carcinoma of the breast. A total number of 382 cases were collected from 3 hospitals in northeastern Malaysia. Survivin, bcl-2 and p53 were detected by immunohistochemistry on samples prepared from tissue blocks. Significant correlations were found between tumor histological grades and tumor size and lymph node involvement. Highly significant statistical correlations (p<0.001) were found in expression of the markers under study. It is concluded that such significant correlations may imply that the alterations in the expression take place in a concerted fashion, implying that many of these cases may share common abnormalities.

Correspondence: Dr Fawwaz Shakir Al-Joudi, Faculty of Allied Health Sciences, National University of Malaysia, Jalan Raja Muda Abdul-Aziz, 50300 Kuala Lumpur, Malaysia.

Fax: +60 3 2692 9032 E-mail: fajoudi@hotmail.com