

Study on P53 protein and C-erbB2 protein expression in primary hepatic cancer and colorectal cancer by flow cytometry

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Abstract

AIM: Quantitative study on P53 protein and C-erbB2 protein in primary hepatic cancer and colorectal cancer.

METHODS: The expression of P53 protein and C-erbB2 protein was quantitatively detected using flow cytometry in 15 primary hepatic cancer and 22 colorectal cancer.

RESULTS: The positive expression rates and the average expression of P53 protein and C-erbB2 protein in primary hepatic cancer were 26.6%, 0.69FI, 20%, 0.73FI, respectively. The positive expression rates and the average expression of P53 protein and C-erbB2 protein in colorectal cancer were 36.3%, 0.86FI, 31.8%, 0.71FI, respectively. The percentage of positive expression rates of cancer cells were different from one case to another.

CONCLUSION: The quantitative study method on P53 protein and C-erbB2 protein expression in primary hepatic cancer and colorectal cancer by flow cytometry was established. Flow cytometry is a new procedure by which we can quantitatively analyse the expression of P53 protein and C-erbB2 protein in hepatic and colorectal cancer.

Key words: Liver neoplasms; Colorectal neoplasms; P53 protein; C-erbB2 protein; Flow cytometry

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