



Proliferating ability of transitional mucosa adjacent to rectal carcinoma and its clinical significance in sphincter preserving operations

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Abstract

AIM: To study the biopathologic characteristics of the transitional mucosa (TM) adjacent to rectal carcinoma and the resecting length of bowel.

METHODS: Immunohistochemical and mucin histochemical methods were used in 81 cases to observe the expression of PCNA and the changing regulations of TM adjacent to rectal carcinoma.

RESULTS: The PCNA expression rate was the highest in cancer and gradually decreased in atypical dysplasia, TM and normal mucosa ($P < 0.01$). The range of TM adjacent to the mucinous adenocarcinoma was more extensive than that to the papilla adenocarcinoma and the tubular adenocarcinoma ($P < 0.01$). The range of TM adjacent to the rectal carcinoma in Dukes C stage was more extensive than that in stage A, B ($P < 0.01$, $P < 0.05$).

CONCLUSION: The TM of rectal carcinoma possesses certain potential of malignancy. The range of TM adjacent to rectal carcinoma is closely related to the pathological type and advancement of rectal carcinoma.

Key words: Rectal neoplasms/surgery; Intestinal mucosa; Anus; Immunohistochemistry

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