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High expression of FABP4 in colorectal cancer and its clinical significance

Key words: Fatty acid binding protein 4; Colorectal cancer; Epithelial-mesenchymal transition

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Summary

This paper is mainly focused on the relationship between the fatty acid-binding protein 4 (FABP4) and colorectal cancer (CRC). The results are as follows:

- The mean concentration of plasma FABP4 of CRC patients was higher； the concentration of plasma FABP4 was positively correlated with high VFA and lipoprotein-a (LPA).
- The expression of FABP4 protein in CRC tissues was positively correlated with the degree of CRC differentiation, tumor stage, and lymph node metastasis.
- The level of FABP4 protein was negatively correlated with E-cadherin protein and positively correlated with SNAIL protein

Innovation points

- Conclusion of the high expression of FABP4 in serum of colorectal cancer.
- Report of the relationship between plasma FABP4 concentration and VFA, LPA in patients with colorectal cancer.
- Summary of the relationship between FABP4 in serum and FABP4 in tissue and clinicopathological features of colorectal cancer.
- Describion of the correlation between FABP4 protein and E-cadherin and SNAIL.

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Innovation points

In order to make our results clear, we made a series of charts.

- Figure 1. FABP4 plasma concentration in colorectal cancer patients and normal control.
- Figure 2. Positive correction between plasma FABP4 and VFA, LPA.
- Figure 3. Immunohistochemical analyses of FABP4 expression.
- Figure 4. Immunohistochemical analyses of E-cadherin expression.
- Figure 5. Immunohistochemical analyses of SNAIL expression.
- Figure 6. The correlation between FABP4 protein and

E-cadherin and SNAIL.

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Figure 2

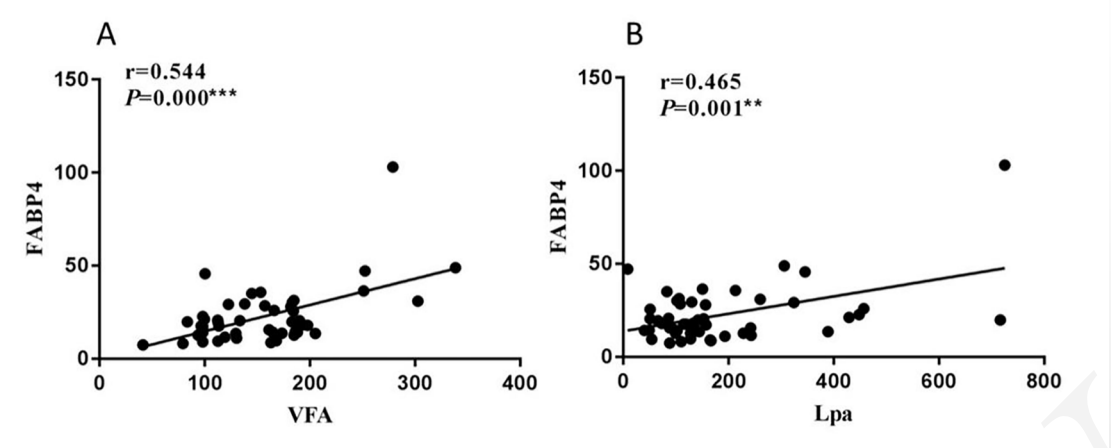


Figure 3

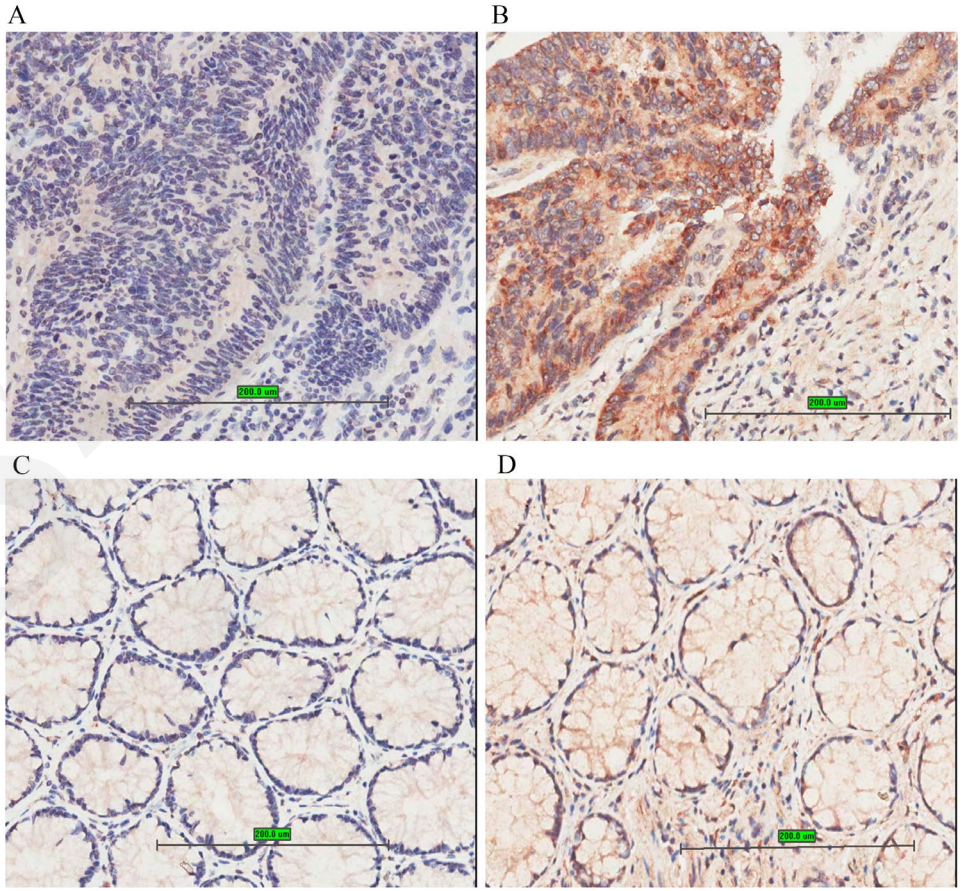


Figure 6

