

Basic research for the establishment of anti-angiogenic therapy by antibody to VEGF

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2002 Fiscal Year Final Research Report Summary

Basic research for the establishment of anti-angiogenic therapy by antibody to VEGF

Research Project

Project/Area Number

13671288

Research Category

Grant-in-Aid for Scientific Research (C)

Allocation Type

Single-year Grants

Section

一般

Research Field

Digestive surgery

Research Institution

Kanazawa University

Principal Investigator

TAKAHASHI Yutaka Cancer Research Institute, Kanazawa University Associate Professor, がん研究所, 助教授 (10179541)

Project Period (FY)

2001 - 2002

Keywords

Angiogenesis / VEGF / Liver metastasis

Research Abstract

I examined the effect of antibody to VEGF on two cell lines, KKLS and KM12sm : I have previously reported that VEGF upregulated in the orthotopic implantation of KKLS, and bFGF did in that of KM12sm. Antibody to VEGF inhibited the liver metastasis of KKLS, while did not that of KM12sm. Moreover, mRNA of other angiogenic factors such as bFGF did not upregulate in KKLS after therapy of antibody to VEGF therapy.

From these results, it is suggested that antibody to VEGF should be given to the tumor whose VEGF upregulated and we can give it for a long time.

[Publications] Takahashi Y, et al.: "Multiparametric in Situ mRNA hybridization analysis of gastric biopsies predict lymph node metastasis in patients with gastric carcinoma"Japanese Journal of Cancer Research. 93. 1258-1265 (2002) ▼

[Publications] Takahashi Y, et al.: "The angiogenic switch of human colon cancer occurs simultaneous to initiation of invasion"Oncology Report. 10. 9-13 (2003) ▼

[Publications] Takahashi Y, Kitadai Y, Ellis LM, Bucana CD, Fidler IJ, Mai M.: "Multiparametric in Situ mRNA hybridization analysis of gastric biopsies predict lymph node metastasis in patients with gastric carcinoma."Japanese Journal of Cancer Research. 93. 1258-1265 (2002) ▼

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