

# **As experimental study on antitumor effect of MMC fibrin glue mixture.**

**[Japanese]**

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## **Abstract:**

In spite of postoperative chemo and/or radiation therapy, the prognosis of advanced cancer patients undergoing palliative operation is still poor. Therefore, in order to improve the effect of chemotherapy, we made a mixture of MMC and fibrin glue (MMC FIB) as a local chemotherapy. Using FIB with MMC, we expected to enhance the efficiency of MMC by sustained release of MMC. We examined cytotoxic effects and anti tumor effects of the MMC FIB using a gastric cancer cell line (MKN 28) and an esophageal cancer cell line (KE 3). Effects of the MMC FIB were twice as strong as those of MMC on in vitro and in vivo studies. MMC FIB is easy to make and apply to residual tumor. These results suggest that MMC FIB is an effective treatment as a local chemotherapy for postoperative residual cancer.