The effectiveness of collagen fleece combined with a fibrin glue in hemostasis during laparoscopic surgery.

Authors: Holub Z., Kliment Jr. L.

Publication Date: 1999

Abstract:

The object of this study was to evaluate the usefulness of TachoComb (TC), a new hemostyptic agent that combines the advantages of two reliable hemostyptic products, collagen fleece and fibrin glue, in local hemostasis during laparoscopy. A total of 16 patients underwent local hemostatic treatment during laparoscopic surgery. Ten patients were selected as an control group. Patients were assessed in the areas of efficacy, safety, utility, and applicability of TC after primary hemostatic treatment by electrosurgery and clip techniques. Clinical data and the degree of hemostatic effect of the assessed drug were measured. All procedures were successfully completed. There was no incidence of complications. The drug proved to be effective and useful in 100% of cases. No case was observed in which safety was problematic. There were only two cases in which application was problematic. Complete hemostasis in the control group was obtained in only 80% of cases. The average hospital stay was 3.1 days (range 2-5). Clinical studies demonstrated that hemorrhage from damaged tissue near important pelvic structures can be successfully arrested and controlled using the laparoscope to apply TachoComb. At present, 16 patients have been effectively treated with collagen-fibrin agent during laparoscopic surgery. The elimination of hemorrhage after primary laparoscopic electrosurgery and the effectiveness of this drug were tested. The results show that the efficacy of TC in local hemostasis is excellent.