

Advantages of fibrin glue spray in laparoscopic liver biopsies.

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Abstract:

Fibrin glue has been shown to be a highly effective adjuvant in surgical repair. We present the case of a 14-year-old boy, who was operated on a right side abdominal neuroblastoma at the age of 4 years. The regular follow-up examinations later on were uneventful; however after 10 years, focal lesions were observed on the surface of the liver, which were confirmed by computer tomograms. To rule out further malignancy and histologically investigate the lesions, laparoscopic biopsy of the affected sites of the liver was performed. After obtaining the biopsy samples, the sites were sealed with fibrin glue using the special laparoscopic spray applicator head. The spray technique of sealing liver biopsy sites was found to be more effective and economical than the traditional technique of fibrin glue application. The advantages of spray application for parenchymatous organ intervention in the laparoscopic setting have been elaborated.