

PD-013

Usefulness of colonic tattooing using ICG in patients with colorectal tumors

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Introduction: Preoperative endoscopic tattooing assists in finding small-sized lesions on the movable part of the colon, especially in limited operative fields of vision. The aim of this study is to prove that tattooing using indocyanine green (ICG) dye is beneficial in the reduction of operation time, postoperative management, and to prove its usefulness according to stage and type of laparoscopic surgery.

Methods: From Jan 2012 to Dec 2016, all patients underwent laparoscopic colonic surgery at Chungnam National University Hospital were retrospectively screened, and 1010 patients with colorectal neoplasms were included in the study. Their lesions were tattooed with ICG the day before operation. The tattooed group (TG) included 114 patients, and the non-tattooed group (NTG) were selected by propensity score matching of subjects based on age, sex, tumor staging, and operation method (n = 228). In total, 342 patients were enrolled. Between the groups, the change in (Δ , preoperative – postoperative) hemoglobin and albumin levels,

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Park JH *et al.* Effective colonic tattooing with ICG

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