A single center randomized prospective study on the criteria for lymph node sorting for pathological examination after curative surgery for gastric cancer

(DJY001 Trail)

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Protocol:

- Gastric adenocarcinoma identified by histopathologic examination
- Undergo potentially curative gastrectomy plus D2 lymphadenectomy (cTanyNanyM0)
- Age between 18 and 70 years
- KPS score >60
- No neoadjuvant therapy
- No seriously chronic diseases of important organs
- No other malignancies

Randomized included in the study

Group A (Fine sorting lymph nodes) (n=138)

Group B (Regional sorting lymph nodes) (n=138)

Undergo curative gastrectomy plus D2 lymphadenectomy

Fine sorting lymph nodes from samples for pathological examination

Regional sorting lymph nodes from samples for pathological examination

Differences of lymph node count for pathological examination between above mentioned two groups of patients according to each pTNM classification, pN stage and pT stage

Differences of overall survival between above mentioned two groups of patients according to each pTNM classification

Differences of recurrence between above mentioned two groups of patients according to each pN stage

Differences of overall survival and pN stage between above mentioned two groups of patients according to each pT stage

Elucidation the influences of lymph node metastatic migration in gastric adenocarcinoma patients underwent curative surgery by different lymph node sorting methods to evaluate the optimal method for pathological examination after surgery