

2. Cancer (Condition after Cancer Surgery and Unspecified Adverse Drug Reactions of Anti-cancer Drugs)**Reference**

Endo S, Nishida T, Nishikawa K, et al. Dai-kenchu-to, a Chinese herbal medicine, improves stasis of patients with total gastrectomy and jejunal pouch interposition. *American Journal of Surgery* 2006; 192: 9-13. CENTRAL ID: CN-00556925, Pubmed ID: 16769267

1. Objectives

To evaluate the effects of daikenchuto (大建中湯) on gastrointestinal emptying and motility in patients after total gastrectomy with jejunal pouch interposition reconstruction.

2. Design

Randomized crossover controlled trial (RCT-cross over).

3. Setting

Osaka University Hospital, Japan.

4. Participants

Seventeen patients who underwent total gastrectomy with jejunal pouch interposition reconstruction for gastric cancer (mean age, 62 years).

5. Intervention

Arm 1: treatment with TSUMURA daikenchuto (大建中湯) Extract Granules 5 g t.i.d. before meals for 2 weeks followed by no treatment for 2 weeks (n=10).

Arm 2: no treatment for 2 weeks followed by treatment with TSUMURA daikenchuto (大建中湯) Extract Granules 5 g t.i.d. before meals for 2 weeks (n=7).

6. Main outcome measures

Gastrointestinal symptoms, emptying, motility, and quality of life (QOL) (using Visick grading scale with modification).

7. Main results

Daikenchuto significantly relieved postprandial stasis-related symptoms including upper abdominal fullness, discomfort, and abdominal pain. Scintigraphy with ¹¹¹In- and ^{99m}Tc-labeled meals showed that daikenchuto significantly accelerated clearance of both the liquid ($P<0.01$) and solid ($P=0.015$) components of food from the jejunal pouch. Manometric assessment of pouch motility (contraction time in 6 patients found a significant increase from the pretreatment levels after daikenchuto treatment ($P=0.028$)).

8. Conclusions

Daikenchuto accelerates gastrointestinal emptying and motility and improves QOL after total gastrectomy followed by jejunal pouch interposition reconstruction.

9. From Kampo medicine perspective

None.

10. Safety assessment in the article

Not mentioned.

11. Abstractor's comments

This paper reports the effects of daikenchuto on gastrointestinal emptying and motility in patients after total gastrectomy with jejunal pouch interposition reconstruction. The authors evaluated a small number of patients in a RCT crossover and obtained highly accurate results. They deserve high praise, especially for exploring not only subjective symptoms but also gastrointestinal emptying and motility measured by relatively invasive procedures.

12. Abstractor and date

Oikawa T, 31 December 2008, 1 June 2010, 31 December 2013.