

21. Others

Reference

Arai J, Nakajima S, Fujinuma S, et al. A comparative study of bowel preparation for barium enema using divided administrations of powdered magnesium citrate with mosapride or DAIKEN CHUTOU. *Nihon Daicho Kensa Gakkai Zasshi (Journal of the Japan Society of Colon Examination)* 2002; 19: 170-3 (in Japanese). Ichushi Web ID: 2003041591

1. Objectives

To evaluate the effectiveness of daikenchuto (大建中湯) in bowel preparation for barium enema X-ray study.

2. Design

Randomized crossover controlled trial (RCT).

3. Setting

Ohashi Hospital, Toho University School of Medicine, Japan.

4. Participants

Forty-five patients who underwent barium enema X-ray study on an outpatient basis between March and August 2001.

5. Intervention

Arm 1: conventional bowel preparation plus oral administration of daikenchuto (大建中湯) (manufacturer, not specified) 5 g t.i.d. on the day before the X-ray examination (n=24).

Arm 2: conventional bowel preparation plus oral administration of mosapride citrate 10 mg t.i.d. on the day before the X-ray examination (n=21).

6. Main outcome measures

The number and amount of fecal residues and the adherence of barium.

7. Main results

No significant between-arm differences were observed in the number and amount of fecal residues or in the adherence of barium.

8. Conclusions

Daikenchuto is suggested to be as effective as mosapride citrate in bowel preparation for barium enema X-ray study.

9. From Kampo medicine perspective

None.

10. Safety assessment in the article

Not mentioned.

11. Abstractor's comments

This paper compares the effectiveness of daikenchuto with that of mosapride citrate in bowel preparation for barium enema X-ray study. Prokinetic agents combined with conventional bowel preparation for barium enema X-ray decreases the number and amount of fecal residues and improves the adherence of barium. The authors of the present paper concluded that daikenchuto is as effective as a prokinetic agent. The effectiveness of daikenchuto in preparation for lower gastrointestinal endoscopy has been suggested in a previous report and the usefulness of shakuyakukanzoto has already been demonstrated. The use of Kampo medicines in this field is expected to increase in the future.

12. Abstractor and date

Oikawa T, 31 December 2008, 1 June 2010.