

Repetitive position change improves gastric cleanliness for magnetically controlled capsule gastroscopy

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Yuan-Chen Wang^{1,2}, M.D., Jun Pan^{1,2}, M.D., Xi Jiang^{1,2}, M.D., Xiao-Ju Su¹, M.D., Wei Zhou¹, M.D., Wen-Bin Zou¹, M.D., Yang-Yang Qian¹, M.D., Yi-Zhi Chen¹, M.D., Xiao Liu¹, M.D., Jin Yu¹, M.D., Xiao-Nan Yan¹, M.D., An-Jing Zhao¹, M.D., Zhao-Shen Li¹, M.D., Zhuan Liao^{1,*}, M.D.

¹National Clinical Research Center for Digestive Diseases; Department of Gastroenterology, Changhai Hospital, Second Military Medical University, Shanghai, China

²These authors contributed equally to this work

*Correspondence

Zhuan Liao

National Clinical Research Center for Digestive Diseases; Department of Gastroenterology, Changhai Hospital, Second Military Medical University, 168 Changhai Road, Shanghai 200433, China

Tel: 86-21-31161004; Fax: 86-21-65492727

E-mail: liaozhuan@smmu.edu.cn

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Statistical analysis

In order to define the sample size, we carried out an exploratory study enrolling 20 patients in each group. Mean gastric cleanliness score in the position change and conventional groups were 20.1 and 19.4, respectively. This study was a superiority study based on two-sided alpha as 0.05 and the power as 80%, thus 64 patients (32 patients in each group) were required by using NCSS-PASS 11 program (version 11.0.7, NCSS, Kaysville, Utah, USA). Considering a withdrawal rate of 20%, we enrolled 80 patients at least. Statistical analysis was performed using SPSS Statistics software version 18.0. Descriptive statistics were given as means \pm standard deviation (SD). Differences in categorical variables between patient groups were compared by using the Chi-square test; differences in means were compared with the independent *t*-test. In GCS comparison and subgroup analysis which lack of normal distribution for quantitative data, we used Mann-Whitney test for comparison of the two groups. A *P*-value of < 0.05 was considered to be statistically significant.