

15. Ante/Post-partum Diseases**References**

Ushiroyama T, Araki R, Sakuma K, et al. Efficacy of the kampo medicine xiong-gui-jiao-ai-tang, a traditional herbal medicine, in the treatment of threatened abortion in early pregnancy. *American Journal of Chinese Medicine* 2006; 34: 731-40. CENTRAL ID: CN-00457564, Pubmed ID: 17080540

Ushiroyama T, Sakuma K, Nosaka S, et al. Clinical efficacy of kyukikyogaito for imminent abortion with uterine hemorrhage*. *Sanfujinka Kampo Kenkyu no Ayumi (Recent Progress of Kampo Medicine in Obstetrics and Gynecology)* 2006; 23: 100-3 (in Japanese). Ichushi Web ID: 2006303253

1. Objectives

To evaluate the efficacy of kyukikyogaito (キユウ婦膠艾湯) as a therapeutic drug for imminent abortion in patients with uterine hemorrhage.

2. Design

Randomized controlled trial (RCT).

3. Setting

None. (The authors belonged to the Department of Obstetrics and Gynecology, Osaka Medical College and the Department of Obstetrics and Gynecology, Takatsuki Red Cross Hospital.), Japan.

4. Participants

Seventy-two patients who visited the hospital with a complaint of uterine hemorrhage and were given a diagnosis of imminent abortion.

5. Intervention

Arm 1: bed rest and administration of 2.5 g of TSUMURA Kyukikyogaito (キユウ婦膠艾湯) Extract Granules (TJ-77) t.i.d. (n=36).

Arm 2: bed rest and administration of human chronic gonadotropin (hCG) (alternate-day administration of 5,000 U) (n=36).

6. Main outcome measures

EFS (echo free space), number of days to hemostasis.

7. Main results

Statistical analysis was carried out using the chi-square test and Wilcoxon's signed-rank test. Significantly fewer days were required for hemostasis and for EFS disappearance in arm 1 (both $P < 0.0001$). EFS on day 7 of treatment was significantly smaller in arm 1 ($P < 0.0001$).

8. Conclusions

Kyukikyogaito (TJ-77) shortens the time to hemostasis in patients with imminent abortion and uterine hemorrhage.

9. From Kampo medicine perspective

The explanation of the efficacy of kyukikyogaito for imminent abortion is based on the blood replenishing effect of toki, shakuyaku, and senkyu as well as the hemostatic effect of akyo and gaiyo.

10. Safety assessment in the article

Not mentioned.

11. Abstractor's comments

This paper shows that EFS disappears significantly earlier in patients with imminent abortion after treatment with a Kampo medicine. Considering that in principle, bed rest is the only treatment for imminent abortion with no effective therapeutic method having been established, the effects of kyukikyogaito are worthy of attention. However, without significant differences in the final outcome of fetal mortality, kyukikyogaito is reasonably considered to have limited efficacy and to contribute to better patient QOL through a reduction in length of hospital stay, etc.

12. Abstractor and date

Nakata H, 1 April 2008, 1 June 2010, 31 December 2013.