

7. Eye Diseases

Reference

Takama N, Fujiwara T. The Efficacy of hainou-san-kyu-to for internal hordeolum. *Ganka Rinsho Iho (Japanese Review of Clinical Ophthalmology)* 2006; 100: 9-11 (in Japanese). Ichushi Web ID: 2006117653

1. Objectives

To evaluate the efficacy of hainosankyuto (排膿散及湯) for internal hordeolum in the acute phase.

2. Design

Randomized controlled trial (RCT).

3. Setting

Two hospitals, Japan.

4. Participants

Twenty-six patients with internal hordeolum not complicated with other ophthalmopathy or diabetes who received basic treatment with 4 doses of antibiotic eye-drops (0.3% ofloxacin) + steroid eye-drops (0.1% fluorometholone) per day.

5. Intervention

Arm 1: basic treatment +oral administration of 2.5 g of TSUMURA Hainosankyuto (排膿散及湯) Extract Granules t.i.d. before meals (n=16).

Arm 2: basic treatment alone (n=10).

6. Main outcome measures

Duration of treatment (in days) required to achieve improvement in subjective symptoms, need for adjunctive treatment.

7. Main results

Duration of treatment in days required to achieve symptom improvement was significantly shorter in arm 1 (2.2±0.9) than in arm 2 (5.5±4.1) ($P<0.001$). The number of subjects requiring adjunctive treatment was not significantly different in arm 1 (1/16; 6.3%) and arm 2 (3/10; 30%). One patient in arm 1 healed 3 days after the start of treatment but had a recurrence 4 days after treatment discontinuation.

8. Conclusions

TSUMURA Hainosankyuto Extract Granules induced proliferation and differentiation of pluripotent stem cells and activity of granulocyte colony stimulating factor, strongly suggesting its suppressive effect on neutropenia.

9. From Kampo medicine perspective

None.

10. Safety assessment in the article

No adverse events were observed in either arm.

11. Abstractor's comments

In western medicine, antibiotics are concomitantly used with anti-inflammatory drugs. Kampo medicine, which preceded the discovery of the antibiotics used in the modern medicine, targets pathogenic microorganisms by an entirely different mechanism.

12. Abstractor and date

Hoshino E, 15 March 2009, 31 December 2013.