

H14

**Pinellia Formula to Drain the Epigastrium Extract Granules
(Hange-shashin-to; Ban Xia Xie Xin Tang)**

Description:

The daily dose of 7.5g (3 unit packets) contains 3.40g of Pinellia Formula to Drain the Epigastrium extract powder:

- Pinellia Tuber (Ban xia)5.0g
- Scutellaria Root (Huang qin)2.5g
- Ginseng (Ren shen)2.5g
- Licorice (Gan cao)2.5g
- Jujube (Da zao)2.5g
- Coptis Rhizome (Huang lian)1.0g
- Ginger (Gan jiang)2.5g

Form	Color	Taste	Odor	Code
Granules	Light brown	Slightly sweet and little bitter afterward	Specific odor	H14

Standardization Specification:

This product is standardized to contain 9.8-23.1 mg/day of Berberine, 77.2-143.5 mg/day of Baicalin, and 29.9-55.7 mg/day of Glycyrrhizin.

Therapeutic Recommendation (“Sho”):

Improvement of acute/chronic gastrointestinal catarrh, fermentative diarrhea, dyspepsia, gastroptosis, weak digestion, hangover, belching, pyrosis, gastritis, neurosis, stomach reflux, anorexia, borborygmus and loose stools or diarrhea.

Abdominal Diagnosis (“Hara”):

Medium abdominal tension with resistance, pressure pain and fullness feeling in epigastric area.

TCM Formulation Strategy

The chief herb, *ban xia*, disperses clumps, stops vomiting, and eliminates focal distention. *Gan jiang*, one of the deputy herbs, expels cold. *Huang qin* and *huang lian* drain heat from the upper and middle burners. Thus the deputies, together with the chief herb, treat the cold-heat complex. *Ren shen* and *da zao* benefit the

middle burner qi and prevent the chief and deputy herbs from injuring the normal qi. The envoy, *zhi gan cao*, helps the assistant herbs tonify the middle burner qi and harmonizes the actions of the other herbs. Therefore the main function of the formula is to regulate the stomach qi disharmony due to a cold-heat complex.

Dosage and Administration:

For adults: 7.5g/day orally divided into 3 doses before or between meals. The dosage may be adjusted based on age, body weight and symptoms.

Research Finding:

1. Hange-shashin-to increases the hormone levels of somatostatin, motilin, and gastrin. These results might relate to normalization of the upper and lower gastrointestinal system (Biological & Pharmaceutical Bulletin. 25(3):327-331, 2002 Mar.)
2. The prophylactic effects of Hange-shashin-to extract on stress-induced gastric ulcers may be associated with an increase in gastric mucin content. (Methods Find Exp Clin Pharmacol 1998 Jan-Feb;20(1):31-7).
3. Oral treatment with Hange-shashin-to significantly inhibited castor oil-induced diarrhea in mice. Scutellariae Radix, Glycyrrhizae Radix, Ginseng radix and Coptidis Rhizoma-derived components are involved in the antidiarrheal action. (Phytother Res 1999 Sep;13(6):468-73).
4. In the rat model, Hange-shashin-to is useful in suppressing cholera toxin-stimulated intestinal fluid secretion, and this effect is partially due to its suppressive action on the PGE2 level. (Biol Pharm Bull 1998 Feb;21(2):117-20).
5. The effect of Hange-shashin-to decreasing prostaglandin E2 (PGE2) is partially mediated by corticosterone and inhibition of COX-2. (Biol Pharm Bull 1998 Dec;21(12):1277-81).

Consumer Tablet Product:

Kampo4Digestive™/StomachCalm