PRODUCT INFORMATION
PYROXIN®

COMPOSITION
Pyridoxine hydrochloride (vitamin B6).

ACTIONS
Pharmacology
Pyridoxine is converted in the body to pyridoxal-5-phosphate, which is the coenzyme for amino acid decarboxylase and for transaminase. Pyridoxal-5-phosphate is an important coenzyme for the production of serotonin. Oestrogen is a competitive inhibitor of pyridoxine. A deficiency of serotonin due to depletion of pyridoxine may be responsible for the depression associated with oral contraceptives and the premenstrual syndrome. Pyridoxine has been found to reverse depression in these conditions. In addition, recent evidence suggests that pyridoxine inhibits prolactin and hence may be expected to improve salt and water retention.

Pharmacokinetics
Pyridoxine is absorbed from the gastrointestinal tract and is converted to the active form, pyridoxal-5-phosphate. It is excreted in the urine as 4-pyridoxic acid.

INDICATIONS
Nausea and vomiting in pregnancy; premenstrual syndrome symptoms (including depression, headaches, fluid retention, breast tenderness, acne); side effects of oral contraceptive therapy (including depression); radiation sickness; acute alcoholism; homocystinuria; deficiency anaemia.

CONTRAINDICATIONS
An adequate protein intake must be ensured in patients on pyridoxine therapy in order to avoid an undesirable increase in amino acid catabolism.

INTERACTIONS
Pyridoxine antagonises the therapeutic effect of levodopa; therefore, these products should not be given concurrently.

OVERDOSAGE
Toxic effects have been reported after massive doses of pyridoxine. Sensory neuropathies have been reported in 7 patients who took 2-6g pyridoxine daily for periods greater than 2 months. Symptoms improved immediately upon withdrawal of pyridoxine.

DOSAGE AND ADMINISTRATION
Recommended dosage is 25 to 200mg daily for the above indications.
In the treatment of the premenstrual syndrome, PYROXIN tablets should be taken daily for the number of days the symptoms occur before the period.

PRESENTATION
Tablets, 25mg (circular, white): pack of 100 tablets.
100mg (circular, white, break bar on one side): pack of 50 tablets.

POISONS SCHEDULES
25mg: Nil
100mg: Nil, provided the required warning statement is on the label, otherwise S4.
Approved by the Therapeutic Goods Administration on 18 December 1996
[Sponsor details update April 2008]