

## **PYRIDOXINE HYDROCHLORIDE *Tablets***

**Vitamin B6 ( USP)**

### **Composition:**

**- Pyridoxine Hydrochloride Tablets 40mg:**

**Each tablet contains: 40mg. Pyridoxine Hydrochloride.**

**- Pyridoxine Hydrochloride Tablets 100mg:**

**Each tablet contains: 100mg. Pyridoxine Hydrochloride.**

**- Pyridoxine Hydrochloride Tablets 300mg:**

**Each tablet contains: 300mg. Pyridoxine Hydrochloride.**

### **Properties:**

**Vitamin B6 acts as a coenzyme in the metabolism of protein, carbohydrates, and fat. In protein metabolism, it participates in the decarboxylation of amino acids, conversion of tryptophan to niacin or serotonin and deamination, transamination and transulfuration of aminoacids.**

**In carbohydrate metabolism, it is responsible for the breakdown of glycogen to glucose- 1-phosphate . The total adult body pool consists of 16 to 25 mg pyridoxine. The need for pyridoxine increases with the amount of protein in the diet.**

**Pyridoxine hydrochloride is readily absorbed from the gastrointestinal tract. Its half – life appears to be 15 to 20 days .**

**Vitamin B6 is degraded to 4- pyridoxic acide in the liver, this metabolite is excreted in the urine .**

### **Indications & Usage:**

**Pyridoxine deficiency, including inadequate diet, drug-induced deficiency (e.g.isoniazide, oral contraceptives) , In born errors of metabolism . Hyperoxaluria and oxalate kidney stone has been successfully treated with**

pyridoxine in low doses (2 to 25 mg / day ) and high doses (0.6 to 1 gm/day ).

### **Usage in Pregnancy & Indication:**

**Pyridoxine requirements are increased during pregnancy and lactation. Pyridoxine has been reported to vary in concentration in breast milk in response to change in maternal intake of the vitamin. Use doses in excess of the RDA for lactating females with caution in nursing mother as Pyridoxine may inhibit lactation by prolactin suppression.**

### **Dosage & Administration:**

- 1 - For treatment of deficiency symptoms : 20 to 40 mg daily.**
- 2 - For prophylaxis and treatment of deficiency symptoms due to oral contraceptives: 20 to 50 mg up to three times daily.**
- 3 - For vitamin B6 dependency syndrome: may require a therapeutic dosage of as much as 600 mg /day 25 to 50 mg /day for life.**
- 4 - In INH poisoning : 70 to 357 mg /kg body weight (maximum 10 gm) daily.**

### **Packing:**

- Pyridoxine Hydrochloride Tablets 40 mg : 2 strips x 10 tablets.**
- Pyridoxine Hydrochloride Tablets 100 mg : 2 strips x 10 tablets.**
- Pyridoxine Hydrochloride Tablets 300 mg : 2 strips x 10 tablets.**