

# **CITINEX**

## **CITICOLINE USP**

### **Compositions:**

Citinex Tablet: Each film coated tablet contains Citicoline Sodium USP equivalent to Citicoline 500 mg. Citinex Injection: Each 4 ml ampoule contains Citicoline Sodium USP equivalent to Citicoline 500 mg.

### **Pharmacology:**

Citicoline is a naturally occurring substance which is an essential intermediate in the synthesis of structural phospholipids of cell membrane. Oral dose of Citicoline is metabolized to choline & cytidine. These then enter into the systemic circulation, cross the blood-brain barrier and recombine to form Citicoline within the central nervous system. Citicoline activates the biosynthesis of structural phospholipids in the neuronal membrane, promotes rapid repair of injured cell surface & mitochondrial membrane & increases the level of various neurotransmitters like acetylcholine & dopamine. Citicoline has neuroprotective effects in situations of hypoxia & ischemia, as well as improved learning & memory performance of aging brain. Citicoline inhibits the activation of Phospholipase A2 to prevent apoptotic & necrotic cell death.

### **Dosage And Administration:**

a) Immediate treatment of stroke due to a clot (ischemic stroke): 500-2000 mg of Citicoline per day, start within 24 hours of stroke. b) For decline in thinking skills due to stroke: 1000-2000 mg of Citicoline per day. c) Chronic cerebrovascular disease: 1000 mg daily in divided dose with or between meals for ongoing disease of the blood vessels that serve the brain.

### **Contraindications:**

Patients with hypertonic of the parasympathetic nervous system

### **Warning And Precaution:**

In case of persistent intracranial hemorrhage, it is recommended not to exceed the dose of 1000 mg of Citicoline daily.

### **Side Effects:**

Most common side effects of Citicoline are insomnia, headache, diarrhea, low blood pressure, nausea, blurred vision, chest pain etc.

### **Use in Pregnancy and Lactation:**

There are no adequate & well controlled studies of Citicoline during pregnancy & lactation. Citicoline should be used during pregnancy & lactation only if the potential benefits justify the potential risks.

### **Drug Interaction:**

Citicoline potentiates the effects of Levodopa, Carbidopa & Entacapone. Citicoline should not be administered with medicine containing Meclophenoxate.

### **Overdosage:**

No data available.

### **Storage:**

Store below 30°C, protect from light & moisture.

**Packing:**

Citinex Tablet: Each box contains 1x10 Tablets in Alu-Alu Blister pack. Citinex Injection: Each box contains 1x5 ampoules of 4 ml in Blister pack

Manufactured By:

The IBN SINA Pharmaceutical Industry PLC.

Shafipur, Gazipur, Bangladesh.