

**CLASS: A**

**PROTOCOL(S) USED IN: Altered Mental Status**

**PHARMACOLOGY AND ACTIONS:**

- A. Vitamin commonly referred to as vitamin B1.
- B. B1 is required for the conversion of pyruvic acid to acetyl-coenzyme A.
- C. If thiamine deficiency occurs, the brain cannot obtain glucose to use as energy.
- D. Chronic alcoholism or starvation interferes with the absorption, intake, and utilization of thiamine.

**INDICATIONS:**

- A. Administered with D50 in patients suspected of malnutrition of chronic alcoholism or chemotherapy.
- B. Coma of unknown origin, especially if alcohol may be involved.
- C. Delirium tremens

**CONTRAINDICATIONS:**  
Known hypersensitivity

**SIDE EFFECTS AND NOTES:**

- A. There may be a few cases of hypersensitivity to thiamine

**ADULT DOSING:**

**100mg IV/IO or IM** if IV access cannot be obtained.

**PEDIATRIC DOSING: NOT INDICATED IN PEDIATRIC PATIENTS**