

## ***Magnesium Sulfate***

### **Protocols:**

1. Adult Cardiac Arrest - General
2. Adult Tachycardia
3. Adult Respiratory Distress
4. Adult Seizures

### **Indications:**

1. Suspected Torsades de Pointes
2. VF/VT in hypomagnesemia
3. Seizures secondary to toxemia of pregnancy
4. Asthma exacerbation not responding to first line treatments

### **Contraindications:**

1. Hypersensitivity to magnesium sulfate
2. Should not be given for 2 hours preceding delivery

### **Dosing:**

1. Cardiac Arrest (and Wide Complex Tachycardia)
  - a. 2 grams diluted in 10 ml NS
  - b. Administered IVP
2. Asthma exacerbation (refractory)
  - a. 2 grams diluted in 10 ml normal saline
  - b. Administered over 10 to 20 minutes
  - c. Administer with open line of normal saline
3. Seizures in pregnancy
  - a. 4 grams diluted in 20 ml
  - b. Administered over 10-20 minutes
  - c. Administer with open line of normal saline

### **Expected Effects:**

1. Seizure cessation
2. Decreased respiratory distress

### **Side Effects:**

1. Respiratory depression
2. Hypotension
3. Asystole
4. Burning in IV site for conscious patients