**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