
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