

Initial Date: 07/19/2023

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Section: 9-33R

## ***Methylprednisolone***

**Pharmacological Category:** Corticosteroid, Systemic

**Routes:** IV/IO/IM

### **Indications:**

1. Allergic reactions
2. Airway inflammation
3. Reactive airway disease
4. Acute adrenal insufficiency

### **Contraindications:**

1. Hypersensitivity to methylprednisolone (or similar)

### **Expected effects:**

1. Decreased inflammation

### **Side effects:**

1. Dizziness
2. Nausea/vomiting

### **Notes:**

1. Prednisone PO is preferred over methylprednisolone for respiratory distress however prednisone it is not a required medication, and the PO tablet has restrictions (tablet cannot be cut, cannot be administered to children  $\leq 6$  years of age, cannot be administered to patient that is unable to safely take PO medication).

### **Dosing: ANAPHYLAXIS ALLERGIC REACTION**

Indication: If patient is symptomatic of an allergic reaction but not in a severe allergic reaction or anaphylaxis OR after epinephrine administration

Adults administer:

1. Methylprednisolone 125 mg IV/IO/IM

Pediatrics administer:

1. Methylprednisolone according to MI MEDIC cards.
2. If MI MEDIC cards are not available administer Methylprednisolone 2 mg/kg IV/IO/IM. Maximum dose 125 mg.

### **Dosing: ADRENAL CRISIS**

Indication: Patients with a known history of adrenal insufficiency, experiencing signs of crisis.

Adults administer:

1. Methylprednisolone 125 mg IV/IO/IM

Pediatrics administer:

1. Methylprednisolone according to MI MEDIC cards.



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2. If MI MEDIC cards are not available administer Methylprednisolone 2 mg/kg IV/IO/IM.  
Maximum dose 125 mg

**Dosing: ADULT RESPIRAOTRY DISTRESS**

Indication: Respiratory distress patients with wheezing or diminished breath sounds due to asthma or COPD.

Adults administer:

1. Methylprednisolone 125 mg IV/IO/IM

**Dosing: PEDIATRIC RESPIRATORY DISTRESS, FAILURE OR ARREST**

Indication: Pediatric respiratory distress patients with suspected bronchospasm (wheezing)

Pediatrics administer:

1. Methylprednisolone according to MI MEDIC cards.
2. If MI MEDIC cards are not available administer Methylprednisolone 2 mg/kg IV/IO/IM.  
Maximum dose 125 mg

Used in the Following Protocols:

Anaphylaxis/Allergic Reaction (Section 1 General Treatment)

Adrenal Crisis (Section 1 General Treatment)

Respiratory Distress (Section 3 Adult Treatment)

Pediatric Respiratory Distress, Failure or Arrest (Section 4 Obstetrics and Pediatrics)