

Methylprednisolone (Solu-Medrol)

Effective: 03/01/2021

Supersedes:
N/A**Approved Provider:** Paramedic**Referenced Protocols:** [Anaphylaxis / Allergic Reaction](#) | [Breathing Difficulty](#)**DOSING AND ADMINISTRATION****ADULT**

- 125 mg IV slow or IM

PEDIATRIC (Refer to Handtevy)

- 2 mg/kg IV slow or IM

Pharmacology and Actions:

- Synthetic steroid similar to the glucocorticoids (hydrocortisone and cortisone) which are released from the adrenal gland cortex.
- Used primarily for its anti-inflammatory properties
 - Anti-inflammatory agent stabilizes cell membranes, and lysosomal membranes preventing the release of histamine, bradykinin, and myocardial depressant factor and preventing excessive lactic acid buildup
 - Generally increases BMR including protein metabolism, gluconeogenesis (glucose from protein), Na and H₂O reabsorption thus increasing BP, increases gland secretion (sweat, saliva, and gastric), and CNS stimulation

Indications:

- Treatment of ARDS, asthma, and other bronchospastic states nonresponsive to conventional treatment
- Anaphylaxis and severe allergic reaction

Contraindications:

- None

Precautions:**Side Effects:**

- None