

METHYLPREDNISOLONE
(meth-ill-pred-NISS-oh-lohn)
Solu-Medrol

PHARMACOLOGICAL CLASSIFICATION:

- glucocorticoid
- it is a synthetic steroid, effective as an anti-inflammatory

THERAPEUTIC CLASSIFICATION:

- anti-inflammatory
- immunosuppressant

MECHANISM OF ACTION:

- suppresses the immune system by binding to intracellular corticosteroid receptors
- stimulates the synthesis of enzymes needed to decrease the inflammatory response

INDICATIONS:

- spinal cord injury
- asthma (status asthmaticus)
- severe anaphylaxis

CONTRAINDICATIONS:

- hypersensitivity to adrenocorticoid preparations

PRECAUTIONS:

- use with caution in patients with renal disease, HTN, diabetes, CHF

SIDE EFFECTS:

- CNS: euphoria, psychotic behavior, vertigo, headache, seizures
- CV: CHF, HTN, edema, arrhythmias, circulatory collapse (with rapid administration)
- GI: peptic ulceration
- SKIN: delayed wound healing

DOSAGE:

- asthma/COPD/anaphylaxis:
 - 80 to 125 mg IV or IM
- spinal cord injury:
 - initial bolus of 30 mg/kg IV over 15 minutes
 - after 45 minutes follow with an infusion of 5.4 mg/kg/hr for 23 hours