

Methylprednisolone

Indications: Allergic reaction/Anaphylaxis, Respiratory distress from presumed bronchospasm

Contraindications: None in the emergency setting

Concentration: 62.5 mg/mL

ADULT DOSING

Indication	Dose	Rate & Route	Note
Allergic reaction/Anaphylaxis	125 mg	IV/IO	
Respiratory distress	2 mL		

ADULT DOSING

PEDIATRIC DOSING

Indication	Dose	Rate & Route	Note
Allergic reaction/Anaphylaxis	2 mg/kg	IV/IO	
Respiratory distress	Max dose: 125mg		

PEDIATRIC DOSING

Pediatric Dosing Methylprednisolone

3 kgs	4kgs	5 kgs	6-7 kgs	8-9 kgs	10-11 kgs	12-14 kgs	15-18 kgs	19-23 kgs	24-29 kgs	30-36 kgs
6.6 lbs	8.8 lbs	11 lbs	13-15 lbs	17-20 lbs	22-24 lbs	26-30 lbs	33-40 lbs	42-50 lbs	53-64 lbs	66-80 lbs
in18.25-20.25	in20.25-21.5	in21.5-23.25	in23.25-26.25	in26.25-29.25	in29.25-33	in33-37.5	in37.5-42.5	in42.5-47.75	in47.75-51.25	in51.25-56.25

Methylprednisolone for IV/IO/IM
Concentration = 50mg/ml

0.1 ml	0.1 ml	0.2 ml	0.2 ml	0.3 ml	0.3 ml	0.4 ml	0.5 ml	0.7 ml	0.9 ml	1.0 ml
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Adverse/Side Effects

Hypertension, hyperglycemia, vertigo, headache, nausea, hiccups, and peptic ulcer

Class

Glucocorticoids steroid

Mechanism of Action

Methylprednisolone is a synthetic steroid with potent anti-inflammatory properties. Effective as anti-inflammatory agents, they are used in the management of allergic reactions, asthma, and anaphylaxis. Methylprednisolone alters the body's immune response. Swelling is reduced because it prevents the white blood cells traveling to the area.

Onset of Action

< 1 hour

Peak Effect

~ 1 hour

Duration of Action

Varies