

RX

Drug Name: Rocuronium Bromide
Trade Name: Zemuron
REVISED: April 01, 2023

Class:

- Non-depolarizing neuromuscular blocker /Paralytic

Mechanism of Action:

- Competitively binds to cholinergic receptors at the motor end plates. This blocks neuromuscular transmission. The drug is antagonized by acetylcholinesterase inhibitors such as Neostigmine and Edrophonium.

Indications:

- Skeletal muscle relaxation/paralysis during advanced airway management
- Skeletal muscle relaxation/paralysis during mechanical ventilation
- Maintenance of paralysis after intubation

Contraindications:

- Hypersensitivity

Precautions:

- Hepatic/Renal disease
- Pregnancy (C)
- Neuromuscular disease, cerebral palsy, myasthenia gravis, Eaton-Lambert syndrome
- Pulmonary Disease /Pulmonary HTN

Dosage:

Adults/Peds:

- IV/IO: 1 mg/kg IV/IO

Onset:

- 1-2 minutes

Duration:

- 30-60 minutes

Side Effects:

- N/V (especially with rapid administration)
- Transient hypotension
- Tachycardia
- Residual muscle weakness
- Allergic or hypersensitive reactions
- Hypertension
- Wheezing
- Abnormal EKG

DRUG: Rocuronium

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This document is for **reference only**. Please refer to SWO's for specific indications, dosages, and applications

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Interactions:

- Physically incompatible with Methylprednisolone (Flush line well)
- Fentanyl and anti-arrhythmic medications can potentiate Rocuronium

PEARLS:

Rocuronium does not provide sedation or pain control. It is inhumane to fail to provide pain control and sedation once a paralytic is administered.

- ***Pregnancy Class C:*** There are no adequate and well-controlled studies in pregnant women. Rocuronium should be used during pregnancy only if the potential benefit justifies the potential risks to the fetus (Source: FDA)
- IV line must be flushed well between administration of Rocuronium and other medications.
- Prolonged effects may occur in certain patient populations including the elderly, pediatrics, myasthenia gravis patients and those with hepatic and renal failure.
- Refrigerate, do not freeze, non-refrigerated vials should be used within 60 days.

REFERENCE ONLY