



Drug Name: Rocuronium Bromide
Trade Name: Zemuron
REVISED: November 1, 2017

Class:

- Non-depolarizing blocker

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 during mechanical ventilation
- Maintenance of paralysis after intubation

Contraindications:

- Sensitivity to drug class

Precautions:

- Pregnancy Class C, hepatic impairment, neuromuscular disease, cerebral palsy, myasthenia gravis, Eaton-Lambert syndrome, pulmonary disease or pulmonary HTN, dehydration, major trauma or burns, electrolyte acid-base disorder, carcinomatosis, severe anaphylaxis history.

Dosage:

Adults:

- (Medical Control Order) 1 mg/kg IV/IO

Pediatrics:

- (Medical Control Order) 1 mg/kg IV/IO

Onset:

- 1-2 minutes

Duration:

- 30-60 minutes

Side Effects:

- | | |
|--|----------------|
| • Transient hypotension | • Hypertension |
| • Tachycardia | • Wheezing |
| • Residual muscle weakness | • Abnormal EKG |
| • Allergic or hypersensitive reactions | |

Interactions:

- Fentanyl and anti-arrhythmic medications can potentiate Rocuronium.

DRUG: ROCURONIUM BROMIDE

RX

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

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PEARLS:

- Rocuronium is used to maintain paralysis **after** intubation and not for RSI induction within our system, due to long paralytic effects in comparison to the rapid onset and short duration of succinylcholine.
- ***Rocuronium does not provide sedation or pain control. It is inhumane to fail to provide pain control and sedation once a paralytic is administered.***
- Rocuronium should be considered with increased intubation times with transport (15 minutes or more), and is on order by medical control.
- 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