

ROCURONIUM BROMIDE (Zemuron®)

Description

Rocuronium bromide is a non-depolarizing neuromuscular blocking agent with a rapid to intermediate onset depending on dose and intermediate duration. It acts by competing for cholinergic receptors at the motor endplate. Has no analgesic properties and the patient maybe conscious, but unable to communicate. Patients should be pre-medicated with a sedative as Rocuronium has no effect on patient's level of consciousness. First muscles affected include eyes, face, neck; followed by limbs, abdomen, chest; diaphragm affected last. Recovery usually occurs in the reverse order and may take longer than 60 minutes. **IV onset of actions in less than 2 minutes, peaks in 1-3 minutes and lasts for 20-60 minutes at the dose of 1.0 mg/kg**

Indications

- **Only authorized Paramedics** may administer.
 - Temporary paralysis to achieve or maintain elective intubation.
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Contraindications

- Known allergy to Rocuronium.
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Adverse Reactions

- Hypotension
 - Hypertension
 - Increased pulmonary vascular resistance
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Dosage and Administration

Adult and Pediatric: RSI – (Rapid Sequence Induction)

- 1 mg/kg IV or IO push
- Max dose 100 mg

Adult and Pediatric: continued paralyzation for the intubated patient:

- 1 mg/kg IV or IO push
 - Max dose 100 mg
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Special Considerations

- Causes respiratory paralysis. Supportive airway control must always be continuous and under direct supervision.
- Use cautiously in patients with known hepatic disease, pulmonary hypertension and valvular heart disease.