

# Cisatracurium (Nimbex)

12:20.20 – Neuromuscular Blocking Agent (nondepolarizing)



## PHARMACY PREPARATION:

- Bolus dose: may be drawn up by pharmacy from vial or RN draws up on the floor
- Continuous infusion: using 20 mg per 10 ml vials draw up 50 ml (100 mg) into empty bag
  - Concentration is 2 mg per ml of undiluted drug
- Solution is colorless to slightly yellow or greenish-yellow. Do not use if cloudy or contains visible particles.
- Place in paralytic bag prior to dispensing

## STABILITY:

- Vials: keep refrigerated, protect from light
  - Use within 21 days if removed from refrigerated, even if vial was re-refrigerated
- Compounded: 9 days refrigerated, 30 hours room temperature

## ADMINISTRATION:

- For IV use only, do not administer IM (will cause excessive tissue irritation)
- Do not administer with alkaline solutions. Not compatible with propofol.
- Bolus: IV push over 5 to 10 seconds, based on actual body weight
- Neuromuscular blockade for mechanically ventilated patients in the ICU: 0.1 to 0.2 mg/kg bolus followed by continuous infusion starting at 1 mcg/kg/min; titrate to goal twitches; maximum dose 3 mcg/kg/min
- Neuromuscular blockade for mechanically ventilated patients during surgery or endotracheal intubation: 0.15 to 0.2 mg/kg bolus (up to 0.4 mg/kg), followed by 0.03 mg/kg intermittent bolus dosing as needed for clinical response (start maintenance bolus dose 40-50 minutes after 0.15 mg/kg initial dose or 50-60 minutes after 0.2 mg/kg initial dose)
  - Initial bolus dose in patients with neuromuscular diseases (e.g. myasthenia gravis, myasthenic syndrome, carcinomatosis): max 0.02 mg/kg
  - Initial dose after succinylcholine for intubation: 0.1 mg/kg

**INFUSION:**

# CISATRACURIUM (NIMBEX)

Concentration: 2 mg per ml						
	Dose in mcg/kg/min					
Weight (kg)	0.5	1	1.5	2	2.5	3
40	0.6	1.2	1.8	2.4	3.0	3.6
45	0.7	1.4	2.0	2.7	3.4	4.1
50	0.8	1.5	2.3	3.0	3.8	4.5
55	0.8	1.7	2.5	3.3	4.1	5.0
60	0.9	1.8	2.7	3.6	4.5	5.4
65	1.0	2.0	2.9	3.9	4.9	5.9
70	1.1	2.1	3.2	4.2	5.3	6.3
75	1.1	2.3	3.4	4.5	5.6	6.8
80	1.2	2.4	3.6	4.8	6.0	7.2
85	1.3	2.6	3.8	5.1	6.4	7.7
90	1.4	2.7	4.1	5.4	6.8	8.1
95	1.4	2.9	4.3	5.7	7.1	8.6
100	1.5	3.0	4.5	6.0	7.5	9.0
105	1.6	3.2	4.7	6.3	7.9	9.5
110	1.7	3.3	5.0	6.6	8.3	9.9
115	1.7	3.5	5.2	6.9	8.6	10.4
120	1.8	3.6	5.4	7.2	9.0	10.8
130	2.0	3.9	5.9	7.8	9.8	11.7
140	2.1	4.2	6.3	8.4	10.5	12.6
150	2.3	4.5	6.8	9.0	11.3	13.5

Infusion rate (ml/hr)