


IPRATROPIUM

Indication	<ul style="list-style-type: none"> Bronchospasm in infants with chronic lung disease^{1,2}
INHALATION	Presentation <ul style="list-style-type: none"> Nebule solution 250 microgram in 1 mL
	Dosage <ul style="list-style-type: none"> 62.5–250 microgram (0.25 mL–1 mL) every 4 to 8 hours³
	Preparation <ul style="list-style-type: none"> Make up to 2 mL total volume with 0.9% sodium chloride¹
	Administration <ul style="list-style-type: none"> Via nebulising device^{1,2}
	
Special considerations	<ul style="list-style-type: none"> Cover eyes when administering via mask and nebuliser Dosage is dependent on the nebuliser used and should be adjusted to suit individual patient requirements¹ <ul style="list-style-type: none"> Rate of flow: sufficient to initiate misting of mask Bronchodilation occurs 3–5 minutes after administration¹
Monitoring	<ul style="list-style-type: none"> Assess degree of bronchospasm²
Compatibility	<ul style="list-style-type: none"> 0.9% sodium chloride⁴
Incompatibility	<ul style="list-style-type: none"> Nil known
Interactions	<ul style="list-style-type: none"> Nil significant
Stability	<ul style="list-style-type: none"> Undiluted nebulised solution <ul style="list-style-type: none"> Store at 25° C. Protect from light¹ Diluted solutions <ul style="list-style-type: none"> Prepare immediately before administration and discard remaining solution¹
Side effects	<ul style="list-style-type: none"> Local reactions (e.g. dryness of the mucous membranes, constipation) Eye irritation if contact with eyes¹
Actions	<ul style="list-style-type: none"> Anticholinergic bronchodilator
Abbreviations	Nil
Keywords	Ipratropium, atrovent, chronic lung disease, bronchospasm

The Queensland Clinical Guideline *Neonatal Medicines* is integral to and should be read in conjunction with this monograph. Refer to the disclaimer. Destroy all printed copies of this monograph after use.

References

1. MIMS Online. Ipratropium. [Internet]: MIMS Australia; November 2018 [cited 2019 February 26]. Available from: <https://www.mimsonline.com.au>.
2. IBM Micromedex®/Neofax®. Ipratropium. In: IBM Micromedex® NeoFax®/Pediatrics (electronic version). [Internet]. IBM Watson Health, Greenwood Village, Colorado, USA. January 2019 [cited 2019 February 26]. Available from: <http://neofax.micromedexsolutions.com/neofax>.
3. Shann F. Drug Doses. 17th ed: Collective Pty Ltd; 2017.
4. British National Formulary for Children (BNFC) online. Ipratropium [Internet]: Royal Pharmaceutical Society; July 2017 [cited 2019 May 01]. Available from: <https://www.medicinescomplete.com>.

Document history

ID number	Effective	Review	Summary of updates
NMedQ19.028-V1-R24	Oct 2019	Oct 2024	Endorsed by Queensland Neonatal Services Advisory Group (QNSAG)