



MUPIROCIN

Indication	<ul style="list-style-type: none"> • Topical treatment of susceptible bacterial skin infections¹⁻⁴ • Elimination of nasal carriage of staphylococci including MRSA (e.g. prior to cardiac surgery) 		
TOPICAL	Presentation	• Ointment 2%	
	Dosage	• A small amount every 8 to 12 hours ^{1,2,5}	
	Preparation	• Not required	
	Administration	• Apply to affected area	
NASAL	Presentation	• Nasal ointment 2%	
	Dosage	• A small amount every 8 to 12 hours ^{1,2,5}	
	Preparation	• Not required	
	Administration	<ul style="list-style-type: none"> • Inside each nostril • Press sides of nostril together to spread ointment 	
Special considerations	<ul style="list-style-type: none"> • Do not use cream for nasal applications • Maximum duration 10 days • Contains alcohols and propylene glycol—avoid large areas where systemic absorption is possible, particularly in the presence of moderate or severe renal impairment⁴ • Not suitable for application to the site of IV cannulation³ 		
Monitoring	• Signs of sensitisation (refer to side effects)		
Compatibility	• Nil known		
Incompatibility	• Do not apply in combination with other topical preparations as dilutes, destabilises and reduces antibacterial activity of mupirocin ³		
Interactions	• Nil significant		
Stability	• Store below 25 °C		
Side effects	<ul style="list-style-type: none"> • Hypersensitivity reactions⁴: rare in neonates. May present as erythema and rash • Swelling at site of application^{2,3} 		
Actions	• Active mainly against gram-positive organisms including <i>Staphylococcus aureus</i> , <i>S epidermidis</i> , <i>S saprophyticus</i> , and <i>Streptococcus pyogenes</i> ^{3,4}		
Abbreviations	MRSA: methicillin-resistant <i>Staphylococcus aureus</i>		
Keywords	mupirocin, bactroban, gram positive aerobes		

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. Australian Medicines Handbook Children's Dosing Companion. Mupirocin. [Internet]. Adelaide: Australian Medicines Handbook Pty Ltd; January 2018 [cited 2018 July 13]. Available from: <http://amhonline.amh.net.au>.
2. British National Formulary for Children (BNFC) online. Mupirocin. [Internet]: Royal Pharmaceutical Society; July 2018 [cited 2018 July 13]. Available from: <https://www.medicinescomplete.com>.
3. MIMS Online. Mupirocin. [Internet]: MIMS Australia; October 2015 [cited 2018 July 13]. Available from: <https://www.mimsonline.com.au>.
4. IBM Micromedex® Neofax®. Mupirocin. In: IBM Micromedex® NeoFax®/Pediatrics (electronic version). IBM Watson Health, Greenwood Village, Colorado, USA. July 03 2018 [cited 2018 September 04]. Available from: <http://neofax.micromedexsolutions.com/neofax>.
5. Shann F. Drug Doses. 17th ed: Collective Pty Ltd; 2017.

Document history

ID number	Effective	Review	Summary of updates
NMed19.005-V1-R24	March 2019	March 2024	Endorsed by Queensland Neonatal Services Advisory Group (QNSAG)