



NEONATAL Medication Monograph




SPIRONOLACTONE

This document should be read in conjunction with this [DISCLAIMER](#)

Restricted: Requires neonatologist review within 24 hours of initiation

Presentation	Oral Solution: 2.5mg/mL
Classification	Aldosterone antagonist and potassium-sparing diuretic. Spironolactone inhibits sodium reabsorption in the distal tubule, increasing sodium and water excretion. Spironolactone reduces potassium excretion.
Indications	<ul style="list-style-type: none"> • Adjunct therapy for chronic lung disease • Adjunct therapy for congenital heart failure • Diuretic effect – with potassium-sparing activity
Contraindications	<ul style="list-style-type: none"> • Significant renal impairment • Anuria • Addison's disease or other conditions associated with hyperkalaemia • Hyperkalaemia.
Precautions	Concomitant potassium supplements
Dose	<p>Oral: 0.5-1.5mg/kg/dose every 12 hours</p> <p>Maximum dose 3mg/kg/day</p>
Administration	Oral: can be administered at any time with regards to feeds
Monitoring	Monitor serum and urine electrolytes, including sodium and potassium ions at least twice weekly
Adverse Reactions	Common: hyperkalaemia, hyponatraemia, hypochloraemia (especially when combined with thiazide diuretics), weakness, headache, nausea, vomiting, GI cramps
	Serious: agranulocytosis, hepatotoxicity, rash

Storage	Refrigerate- do not freeze
Interactions	NSAIDs (e.g. Indometacin) may increase the risk of hyperkalaemia (they can cause hyperkalaemia and also reduce renal function)
Notes	<p>Spironolactone is a weak diuretic and is usually prescribed in combination with other diuretics.</p> <p>Response usually begins within 72 hours of initiation and can continue for up to 72 hours after treatment has stopped.</p>
References	<p>Truven Health Analytics. Spironolactone. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2019 [cited 2019 May 24]. Available from: https://neofax.micromedexsolutions.com/</p> <p>MIMS Australia. Aldactone. In: MIMS Online [Internet]. St Leonards (New South Wales): MIMS Australia; 2019 [cited 2019 May 22]. Available from: https://www.mimsonline.com.au</p> <p>Australian Medicines Handbook. Spironolactone. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2019 [cited 2019 May 22]. Available from: https://amhonline.amh.net.au/</p> <p>Takemoto CK, Hodding JH, Kraus DM. Pediatric & neonatal dosage handbook with international trade names index : a universal resource for clinicians treating pediatric and neonatal patients. 24th ed. Hudson (Ohio): Lexicomp; 2401. p1842.</p> <p>Evelina London's Children's healthcare formulary. In Spironolactone . http://cms.ubqo.com/public/d2595446-ce3c-47ff-9dcc-63167d9f4b80/content/4bb43933-2f28-433b-be4e-1828498b54a9</p>

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