ChAMP Monographs

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DESCRIPTION	Ivermectin alters chloride channel function and acts as a GABA agonist in the				
	parasite, resulting in paralysis and death of the parasite. ^{1,2}				
	Ivermectin is used in the treatment of filariasis, anchocorolasis, etronovloidisis				
	Ivermectin is used in the treatment of filariasis, onchocerciasis, strongyloidisis, crusted (Norwegian) scabies, headlice and cutaneous larva migrans. ³				
ChAMP	Oral: Category B: Monitored				
INDICATIONS AND					
RESTRICTIONS	and does not meet specified indications. Standard Indications:				
KESTRICTIONS					
	Strongyloidiasis – uncomplicated				
	Strongyloidiasis - immunocompromised patients				
	Strongyloidiasis – complicated or disseminated disease				
	Scabies – severe or refractory to topical therapy				
FORMULATIONS	3mg tablet				
DOSAGE	The doses listed below fall within the standard range. Higher doses may be				
	prescribed for certain situations. This should be in consultation with Infectious				
	Diseases or Microbiology consultants.				
	Oral:				
	For immunocompromised patients or complicated or disseminated infection				
	extended treatment is necessary. Contact Infectious Diseases Physicians for				
	further information. ^{1,4}				
	Children > 15kg and over 5 years of age:				
	Strongyloidiasis (uncomplicated): 0.2mg/kg as a single dose. Dose should be				
	repeated 7 to 14 days later. ³				
	Strongyloidiasis (immunocompromised): 0.2mg/kg once daily on days 1,2,15				
	and 16. ^{3,4}				
	Strongyloidiasis (complicated or disseminated disease): 0.2mg/kg once				
	daily.3 Length of therapy should be guided by Infectious disease or Clinical				
	Microbiology.				
	Scabies: 0.2mg/kg as a single dose repeated for up to 5 doses depending on				
	severity. Contact Infectious Diseases for further information. ³				
	Refractory Head Lice: 0.2mg/kg as a single dose (only after topical treatment				
	has failed). ³				
	Neonates and children under 5 years of age:				
	Not routinely used in neonates or children less than 5 years of age, contact				
	Infectious Disease or Microbiology consultants for advice.				
DOSAGE	There is limited information available, dose adjustment does not seem necessary				
ADJUSTMENT	in patients with renal or hepatic impairment. However care should be taken when				
, about ment	administering ivermectin to these patients. 4,6				
RECONSTITUTION	Not applicable				
ADMINISTRATION	Tablets should be administered on an empty stomach, half an hour before food. ^{2,7}				
	When treating strongyloidiasis, tablets should be taken with a high fat meal to				
	increase absorption. ^{3,4}				
MONITORING	Patients should be monitored for symptomatic improvement. Stools should be				
	checked to ensure that the treatment was effective for strongyloidiasis (generally				
	one stool per month). 1,2,4,7 For patients with onchocerciasis, microfilarial counts of				
	the skin and eye as well as ophthalmic exam should be performed at baseline and				
ADVEDOE	periodically during therapy. ^{2,7}				
ADVERSE	Adverse effects are more common in patients with onchocerciasis due to allergic				
	or inflammatory responses to the death of the parasite (Mazzotti reaction). These				

EFFECTS	reactions generally occur within 3 days and tend to lessen with repeated courses. ^{1,4} Common: diarrhoea, nausea, dizziness and somnolence. In onchocerciasis arthralgia, lymphodenopathy, itch, oedema, rash, fever, tachycardia, hypotension and temporary worsening of ocular symptoms occur in approximately one-third of patients. ¹
	Rare: fatigue, abdominal pain, constipation, vomiting, tremor, rash, itch, headache, toxic epidermal necrolysis. ¹
COMPATIBLE FLUIDS	Not applicable
PRECAUTIONS	Ivermectin is contraindicated in patients with a previous hypersensitivity reaction. ^{2,7,8}
	Patients from Central or West Africa being treated for onchocerciasis should be assessed for co-infection with Loa loa due the increased risk of serious or fatal encephalopathy. 1,2,4,6,7
COMMENTS	Ivermectin does not kill the adult worm in onchocerciasis, therefore it is likely further treatment will be required. ^{1,4}

^{**}Please note: The information contained in this guideline is to assist with the preparation and administration of **ivermectin**. Any variations to the doses recommended should be clarified with the prescriber prior to administration**

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