

CYCLOSPORIASIS (*Cyclospora cayetanensis*)

Drug	Adult dosage	Pediatric dosage
Drug of choice: ^{1,2} Trimethoprim/sulfamethoxazole ³	TMP 160 mg/SMX 800 mg (1 DS tab) PO bid x 7-10d	TMP 5 mg/kg/SMX 25 mg/kg/d PO in 2 doses x 7-10d

- HIV-infected patients may need higher dosage and long-term maintenance. Successful use of nitazoxanide (see also footnote 2) has been reported in one patient with sulfa allergy (SM Zimmer et al, Clin Infect Dis 2007; 44:466).
- Nitazoxanide may be effective against a variety of protozoan and helminth infections (DA Bobak, Curr Infect Dis Rep 2006; 8:91; E Diaz et al, Am J Trop Med Hyg 2003; 68:384). It was effective against mild to moderate amebiasis, 500 mg bid x 3d, in a recent study (JF Rossignol et al, Trans R Soc Trop Med Hyg 2007 Oct; 101:1025 E pub 2007 July 20). It is FDA-approved only for treatment of diarrhea caused by *Giardia* or *Cryptosporidium* (Med Lett Drugs Ther 2003; 45:29). Nitazoxanide is available in 500-mg tablets and an oral suspension; it should be taken with food.
- Not FDA-approved for this indication.

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MANUFACTURERS OF DRUGS USED TO TREAT PARASITIC INFECTIONS

albendazole – <i>Albenza</i> (GlaxoSmithKline)	lumefantrine/artemether – <i>Coartem, Riamet</i> (Novartis)
<i>Albenza</i> (GlaxoSmithKline) – albendazole	<i>Malarone</i> (GlaxoSmithKline) – atovaquone/proguanil
<i>Alinia</i> (Romark) – nitazoxanide	malathion – <i>Ovide</i> (Medicis)
<i>AmBisome</i> (Gilead) – amphotericin B, liposomal	mebendazole – <i>Vermax</i> (McNeil), others
amphotericin B – <i>Fungizone</i> (Apothecon), others	mefloquine – <i>Lariam</i> (Roche)
amphotericin B, liposomal – <i>AmBisome</i> (Gilead)	§ meglumine antimonate – <i>Glucantime</i> (Aventis, France)
<i>Ancobon</i> (Valeant) – flucytosine	† melarsoprol – <i>Mel-B</i>
§ <i>Antiminth</i> (Pfizer) – pyrantel pamoate	† <i>Mel-B</i> – melarsoprol
• <i>Aralen</i> (Sanofi) – chloroquine HCl and chloroquine phosphate	<i>Mepron</i> (GlaxoSmithKline) – atovaquone
§ artemether – <i>Artenam</i> (Arenco, Belgium)	metronidazole – <i>Flagyl</i> (Pfizer), others
§ artemether/lumefantrine – <i>Coartem, Riamet</i> (Novartis)	§ miconazole – <i>Monistat i.v.</i>
§ <i>Artenam</i> (Arenco, Belgium) – artemether	§ miltefosine – <i>Impavido</i> (Zentaris, Germany)
§ artesunate – (Guilin No. 1 Factory, People's Republic of China)	§ <i>Monistat i.v.</i> – miconazole
atovaquone – <i>Mepron</i> (GlaxoSmithKline)	<i>NebuPent</i> (Fujisawa) – pentamidine isethionate
atovaquone/proguanil – <i>Malarone</i> (GlaxoSmithKline)	§ niclosamide – <i>Yomesan</i> (Bayer, Germany)
azithromycin – <i>Zithromax</i> (Pfizer), others	† nifurtimox – <i>Lampit</i> (Bayer, Germany)
• <i>Bactrim</i> (Roche) – TMP/Sulfa	nitazoxanide – <i>Alinia</i> (Romark)
§ benznidazole – <i>Rochagan</i> (Brazil)	<i>Nix</i> (GlaxoSmithKline) – permethrin
• <i>Biaxin</i> (Abbott) – clarithromycin	• <i>Nizoral</i> (Janssen) – ketoconazole
§ <i>Biltricide</i> (Bayer) – praziquantel	§ ornidazole – <i>Tiberal</i> (Roche, France)
† bithionol – <i>Bitin</i> (Tanabe, Japan)	<i>Ornidyl</i> (Aventis) – eflornithine (Difluoromethylornithine, DFMO)
† <i>Bitin</i> (Tanabe, Japan) – bithionol	<i>Ovide</i> (Medicis) – malathion
§ <i>Brolene</i> (Aventis, Canada) – propamidine isethionate	§ oxamniquine – <i>Vansil</i> (Pfizer)
chloroquine HCl and chloroquine phosphate – <i>Aralen</i> (Sanofi), others	§ <i>Paludrine</i> (AstraZeneca, United Kingdom) – proguanil
clarithromycin – <i>Biaxin</i> (Abbott), others	paromomycin – <i>Humatin</i> (Monarch); <i>Leshcutan</i> (Teva, Israel; topical formulation not available in US)
• <i>Cleocin</i> (Pfizer) – clindamycin	<i>Pentam 300</i> (Fujisawa) – pentamidine isethionate
clindamycin – <i>Cleocin</i> (Pfizer), others	pentamidine isethionate – <i>Pentam 300</i> (Fujisawa), <i>NebuPent</i> (Fujisawa)
<i>Coartem</i> (Novartis) – artemether/lumefantrine	† <i>Pentostam</i> (GlaxoSmithKline, United Kingdom) – sodium stibogluconate
crotamiton – <i>Eurax</i> (Westwood-Squibb)	permethrin – <i>Nix</i> (GlaxoSmithKline), <i>Elimite</i> (Allergan)
dapsone – (Jacobus)	§ praziquantel – <i>Biltricide</i> (Bayer)
§ <i>Daraprim</i> (GlaxoSmithKline) – pyrimethamine USP	primaquine phosphate USP
† diethylcarbamazine citrate (DEC) – <i>Hetrazan</i>	§ proguanil – <i>Paludrine</i> (AstraZeneca, United Kingdom)
• <i>Diflucan</i> (Pfizer) – fluconazole	proguanil/atovaquone – <i>Malarone</i> (GlaxoSmithKline)
§ diloxanide furoate – <i>Furamide</i> (Boots, United Kingdom)	§ propamidine isethionate – <i>Brolene</i> (Aventis, Canada)
doxycycline – <i>Vibramycin</i> (Pfizer), others	§ pyrantel pamoate – <i>Antiminth</i> (Pfizer)
eflornithine (Difluoromethylornithine, DFMO) – <i>Ornidyl</i> (Aventis)	pyrethrins and piperonyl butoxide – <i>RID</i> (Pfizer), others
§ <i>Egaten</i> (Novartis) – triclabendazole	§ pyrimethamine USP – <i>Daraprim</i> (GlaxoSmithKline)
<i>Elimite</i> (Allergan) – permethrin	<i>Qualaquin</i> – quinine sulfate (Mutual Pharmaceutical Co/AR Scientific)
<i>Ergamisol</i> (Janssen) – levamisole	quinacrine
<i>Eurax</i> (Westwood-Squibb) – crotamiton	* quinidine gluconate (Eli Lilly)
• <i>Flagyl</i> (Pfizer) – metronidazole	§ quinine dihydrochloride
§ <i>Flisint</i> (Sanofi-Aventis, France) – fumagillin	quinine sulfate – <i>Qualaquin</i> (Mutual Pharmaceutical Co/AR Scientific)
fluconazole – <i>Diflucan</i> (Pfizer), others	<i>Riamet</i> (Novartis) – artemether/lumefantrine
flucytosine – <i>Ancobon</i> (Valeant)	• <i>RID</i> (Pfizer) – pyrethrins and piperonyl butoxide
§ fumagillin – <i>Flisint</i> (Sanofi-Aventis, France)	• <i>Rifadin</i> (Aventis) – rifampin
• <i>Fungizone</i> (Apothecon) – amphotericin	§ rifampin – <i>Rifadin</i> (Aventis), others
§ <i>Furamide</i> (Boots, United Kingdom) – diloxanide furoate	§ <i>Rochagan</i> (Brazil) – benznidazole
§ furazolidone – <i>Furozone</i> (Roberts)	* <i>Rovamycine</i> (Aventis) – spiramycin
§ <i>Furozone</i> (Roberts) – furazolidone	† sodium stibogluconate – <i>Pentostam</i> (GlaxoSmithKline, United Kingdom)
† <i>Germanin</i> (Bayer, Germany) – suramin sodium	* spiramycin – <i>Rovamycine</i> (Aventis)
§ <i>Glucantime</i> (Aventis, France) – meglumine antimonate	• <i>Sporanox</i> (Janssen-Ortho) – itraconazole
† <i>Hetrazan</i> – diethylcarbamazine citrate (DEC)	<i>Stromectol</i> (Merck) – ivermectin
<i>Humatin</i> (Monarch) – paromomycin	sulfadiazine – (Eon)
§ <i>Impavido</i> (Zentaris, Germany) – miltefosine	† suramin sodium – <i>Germanin</i> (Bayer, Germany)
iodoquinol – <i>Yodoxin</i> (Glenwood), others	§ <i>Tiberal</i> (Roche, France) – ornidazole
itraconazole – <i>Sporanox</i> (Janssen-Ortho), others	<i>Tindamax</i> (Mission) – tinidazole
ivermectin – <i>Stromectol</i> (Merck)	tinidazole – <i>Tindamax</i> (Mission)
ketoconazole – <i>Nizoral</i> (Janssen), others	
† <i>Lampit</i> (Bayer, Germany) – nifurtimox	
<i>Lariam</i> (Roche) – mefloquine	
§ <i>Leshcutan</i> (Teva, Israel) – topical paromomycin	
levamisole – <i>Ergamisol</i> (Janssen)	

(continued)

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| TMP/Sulfa – <i>Bactrim</i> (Roche), others | • <i>Vibramycin</i> (Pfizer) – doxycycline |
| § triclabendazole – <i>Egaten</i> (Novartis) | • <i>Yodoxin</i> (Glenwood) – iodoquinol |
| § <i>Vansil</i> (Pfizer) – oxamniquine | § <i>Yomesan</i> (Bayer, Germany) – niclosamide |
| • <i>Vermox</i> (McNeil) – mebendazole | • <i>Zithromax</i> (Pfizer) – azithromycin |
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- * Available in the US only from the manufacturer.
- § Not available commercially. It may be obtained through compounding pharmacies such as Panorama Compounding Pharmacy, 6744 Balboa Blvd, Van Nuys, CA 91406 (800-247-9767) or Medical Center Pharmacy, New Haven, CT (203-688-6816). Other compounding pharmacies may be found through the National Association of Compounding Pharmacies (800-687-7850) or the Professional Compounding Centers of America (800-331-2498, www.pccarx.com).
- † Available from the CDC Drug Service, Centers for Disease Control and Prevention, Atlanta, Georgia 30333; 404-639-3670 (evenings, weekends, or holidays: 770-488-7100).
- Also available generically.

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