SCABIES (Sarcoptes scabiei)

<table>
<thead>
<tr>
<th>Drug</th>
<th>Adult dosage</th>
<th>Pediatric dosage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ivermectin</td>
<td>Topically once</td>
<td>Topically once</td>
</tr>
<tr>
<td>5% Permethrin</td>
<td>200 mcg/kg PO once</td>
<td>200 mcg/kg PO once</td>
</tr>
<tr>
<td>10% Crotamiton</td>
<td>Topically once/2</td>
<td>Topically once/ PO x 2</td>
</tr>
<tr>
<td>Mel-B</td>
<td>Mel-B</td>
<td>Mel-B</td>
</tr>
</tbody>
</table>

2. Lindane (γ-benzene hexachloride) should be reserved for treatment of patients who fail to respond to other drugs. The FDA has recommended it not be used for immunocompromised patients, young children, the elderly, pregnant and breast-feeding women, and patients weighing <50 kg.
3. Not FDA-approved for this indication.
4. Safety of ivermectin in young children (<15 kg) and pregnant women remains to be established. Ivermectin should be taken on an empty stomach with water.
5. Ivermectin, either alone or in combination with a topical scabicide, is the drug of choice for crusted scabies in immunocompromised patients (P del Giudice, Curr Opin Infect Dis 2004; 15:123).

Information provided by The Medical Letter. For a copy of the entire Drugs for Parasitic Infections article, go to: www.medicalletter.org/parasitic_cdc

MANUFACTURERS OF DRUGS USED TO TREAT PARASITIC INFECTIONS

albendazole – Albenza (GlaxoSmithKline)
Albenza (GlaxoSmithKline) – albendazole
Alinia (Romark) – nitazoxanide
AmBisome (Gilead) – amphotericin B, liposomal
Amphotera B – Fungizone (Apothecon), others
Amphotera B, liposomal – AmBisome (Gilead)
Ancobon (Valeant) – fucytosine
Artemether/lumefantrine – Coartem, Riamet
§ Antiminth (Pfizer) – pyrantel pamoate
§ Aralen (Sanofi) – chloroquine HCl and chloroquine phosphate
§ artemether – Artenam (Arendo, Belgium)
§ artemether/lumefantrine – Coartem, Riamet (Novartis)
§ Arteman (Arendo, Belgium) – artemether
§ artesunate – (Guilin No. 1 Factory, People’s Republic of China)
atovaquone – Mepron (GlaxoSmithKline)
atovaquone/proguanil – Malarone (GlaxoSmithKline)
azithromycin – Zithromax (Pfizer), others
§ Bactrim (Roche) – TMP/Sulfa
§ benznidazole – Rochagan (Brazil)
§ Brolene (Aventis, Canada) – propamidine isethionate
§ Brolene (Aventis, Canada) – propamidine isethionate chloroquine HCl and chloroquine phosphate – Aralen (Sanofi), others
§ clarithromycin – Biaxin (Abbott), others
§ clindamycin – Cleocin (Pfizer), others
§ Coartem (Novartis) – artemether/lumefantrine crotamiton – Eurax (Westwood-Squibb) dapsone – (Jacobian)
§ Daraprim (GlaxoSmithKline) – pyrimethamine USP diethylcarbamazine citrate (DEC) – Hetrazan
§ Dilucan (Pfizer) – flucytosine
diloxanide furoate – Furamide (Boots, United Kingdom)
§ doxycycline – Vibramycin (Pfizer), others
eflornithine (Difluoromethylornithine, DFMO) – Effortin
§ Emeg (Novartis) – tetrabenzadose
Elimite (Allergan) – permethrin
telmisartan – (AstraZeneca, United Kingdom)
§ Epanutin (Pfizer) – crotamiton
§ Flagyl (Pfizer) – metronidazole
§ Fiasil (Sanofi-Aventis, France) – fumagillin
§ Fiasil (Sanofi-Aventis, France) – fumagillin
§ Fungizone (Apothecon) – amphotericin
§ Furamide (Boots, United Kingdom) – diloxanide furoate
§ furazolidone – Furzone (Roberts)
§ Furzone (Roberts) – furazolidone
† Germanin (Bayer, Germany) – suramin sodium
§ Glucantime (Aventis, France) – meglumine antimonate
† Hetrazan – diethylcarbamazine citrate (DEC)
Humatin (Monarch) – paromomycin
§ Impavido (Zentaris, Germany) – miltefosine
§ Iodoquino – Yodoxin (Glenwood), others
§ Itraconazole – Sporanox (Janssen-Ortho), others
† Ivermectin – Stromectol (Merck)
tyroconazole – Nizoral (Janssen), others
† Lampit (Bayer, Germany) – nitirumflos
Lariam (Roche) – mefloquine
§ Leshcutan (Teva, Israel) – topical paromomycin
§ levamisole – Ergamisol (Janssen)
lumefantrine/artemether – Coartem, Riamet (Novartis)
Malaron (GlaxoSmithKline) – atovaquone/proguanil
malathion – Ovide (Medicis)
mebendazole – Vermox (McNeil), others
mefloquine – Lariam (Roche)
§ meglumine antimonate – Glucantime (Aventis, France)
† melsarsoprol – Mel-B
† Mel-B – melsarsoprol
§ Mepron (GlaxoSmithKline) – atovaquone
§ metronidazole – Flagyl (Pfizer), others
§ minocycline – Minocycline, others
§ miltefosine – Impavido (Zentaris, Germany)
§ Monistat i.v. – miconazole
§ NebuPent (Fujisawa) – pentamidine isethionate
§ niclosamide – Vermosed, (Bayer, Germany)
† nifurtimox – Lampit (Bayer, Germany)
nitazoxanide – Alinia (Romark)
Nix (GlaxoSmithKline) – permethrin
Nizoral (Janssen) – ketoconazole
§ ornidazole – Tiberal (Roche, France)
§ Ornidyl (Aventis) – eflornithine (Difluoromethylornithine, DFMO) Ovide (Medicis) – malathion
§ oxamnique – Vansil (Pfizer)
† Paludrine (AstraZeneca, United Kingdom) – proguanil
§ proguanil paromomycin – Humatin (Monarch); Leshcutan (Teva, Israel; topical form, not available in US)
§ Pentam 300 (Fujisawa) – pentamidine isethionate pentamidine isethionate – Pentam 300 (Fujisawa), NebuPent (Fujisawa)
† Pentostam (GlaxoSmithKline, United Kingdom) – sodium stibogluconate
§ permethrin – Nix (GlaxoSmithKline), Elimite (Allergan)
† praziquanil – Biltricide (Bayer)
§ primaquine phosphate USP
§ proguanil – Paludrine (AstraZeneca, United Kingdom)
§ proguanil/atovaquone – Malaron (GlaxoSmithKline)
§ propamidine isethionate – Brolene (Aventis, Canada)
§ pyrantel pamoate – Antiminth (Pfizer)
§ pyrantel and piperonyl butoxide – RID (Pfizer), others
§ pyrrolidine USP – Daraprim (GlaxoSmithKline)
Qualaquin – quinine sulfate (Mutual Pharmaceutical Co/AR Scientific)
quinacrine
* quinidine gluconate (Eli Lilly)
§ quinine dihydrochloride quinine sulfate – Qualaquin (Mutual Pharmaceutical Co/AR Scientific)
Riamet (Novartis) – artemether/lumefantrine
* RID (Pfizer) – pyranthirs and piperonyl butoxide
† Rifadin (Aventis) – rifampin
† Rifadin (Aventis), others
† Rochagan (Brazil) – benzindazole
* Rovamycine (Aventis) – spiramycin
† sodium stibogluconate – Pentostam (GlaxoSmithKline, United Kingdom)

(continued)
<table>
<thead>
<tr>
<th>Drug Name</th>
<th>Manufacturer/Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>spiramycin</td>
<td>Rovamycine (Aventis)</td>
</tr>
<tr>
<td>Sporanox</td>
<td>Janssen-Ortho – itraconazole</td>
</tr>
<tr>
<td>Stromectol (Merck)</td>
<td>– ivermectin</td>
</tr>
<tr>
<td>sulfadiazine – (Eon)</td>
<td></td>
</tr>
<tr>
<td>suramin sodium – Germanin</td>
<td>(Bayer, Germany)</td>
</tr>
<tr>
<td>Tiberal (Roche, France)</td>
<td>– ornidazole</td>
</tr>
<tr>
<td>Tindamax (Mission)</td>
<td>– tinidazole</td>
</tr>
<tr>
<td>tinidazole – Tindamax (Mission)</td>
<td></td>
</tr>
<tr>
<td>TMP/Sulfa – Bactrim (Roche), others</td>
<td></td>
</tr>
<tr>
<td>triclabendazole – Egaten (Novartis)</td>
<td></td>
</tr>
<tr>
<td>Vansil (Pfizer) – oxamnique</td>
<td></td>
</tr>
<tr>
<td>Vermox (McNeil) – mebendazole</td>
<td></td>
</tr>
<tr>
<td>Vibramycin (Pfizer) – doxycycline</td>
<td></td>
</tr>
<tr>
<td>Yodoxin (Glenwood) – iodoquinol</td>
<td></td>
</tr>
<tr>
<td>Yomesan (Bayer, Germany)</td>
<td>– niclosamide</td>
</tr>
<tr>
<td>Zithromax (Pfizer) – azithromycin</td>
<td></td>
</tr>
</tbody>
</table>

* 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 Pharmacists (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.

Information provided by The Medical Letter. For a copy of the entire Drugs for Parasitic Infections article, go to: www.medicalletter.org/parasitic_cdc