

Trematodes

Trematodes		Transmission	Endemic	Clinical	Treatment
Blood flukes	<i>Schistosoma mansoni</i>	skin penetration by cercariae released from snails	Africa, South America, Middle East	itch, then 4-8 weeks serum sickness like illness, Katayama fever with HS meagly/lymphadenopathy. Later fatigue, hepatosplenic disease, portal hypertension, abdominal pain, bloody diarrhoea. Terminal haematuria and increased bladder squamous carcinoma in <i>S. haematobium</i> . CNS with <i>S. japonicum</i>	Praziquantel
	<i>S. japonicum</i>	skin penetration by cercariae released from snails	China, Philippines, Indonesia		
	<i>S. intercalatum</i>	skin penetration by cercariae released from snails	West Africa		
	<i>S. mekongi</i>	skin penetration by cercariae released from snails	Southeast Asia		
	<i>S. haematobium</i>	skin penetration by cercariae released from snails	Africa, Middle East		
Biliary (Hepatic) flukes	<i>Clonorchis sinensis</i>	Ingestion of metacercariae in freshwater fish	Far East	asymptomatic, vague RUQ pain, cholangiohepatitis, increased cholangiocarcinoma	Praziquantel
	<i>Opisthorchis viverrini</i>	Ingestion of metacercariae in freshwater fish	Far East, Thailand		
	<i>O. felineus</i>	Ingestion of metacercariae in freshwater fish	Far East, Europe		
	<i>Fasciola hepatica</i>	Ingestion of metacercariae on aquatic plants/water	Worldwide	Acute disease 1-2 wks fever, RUQ pain, hepatomegaly, eosinophilia. Chronic, bile duct obstruction and biliary cirrhosis	Triclabendazole
	<i>F. gigantica</i>	Ingestion of metacercariae on aquatic plants/water	Sporadic, Africa		
Intestinal Flukes	<i>Fasciolopsis buski</i>	Ingestion of metacercariae on aquatic plants	Southeast Asia	Asymptomatic, diarrhoea, abdominal pain and malabsorption in heavy infection	Praziquantel
	<i>Heterophyes heterophyes</i>	Ingestion of metacercariae in freshwater/brackish water fish	Far East, North Africa		

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Lung flukes	<i>Paragonimus westermani</i>	Ingestion of metacercariae in crabs/ crayfish	Global (except North America/Europe)	lung cysts, pneumonia, bronchitis, bronchiectasis & fibrosis	Praziquantel



Fasciola hepatica
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