

## **Spectrum of Parasites**



A female **mosquito** blood feeding. Mosquitoes serve as intermediate hosts of other parasites such as **Dirofilaria immitis** the dog and cat heartworm and **Plasmodium** species causing malaria in humans and birds. They are also vectors of viruses causing yellow fever and encephalitis.



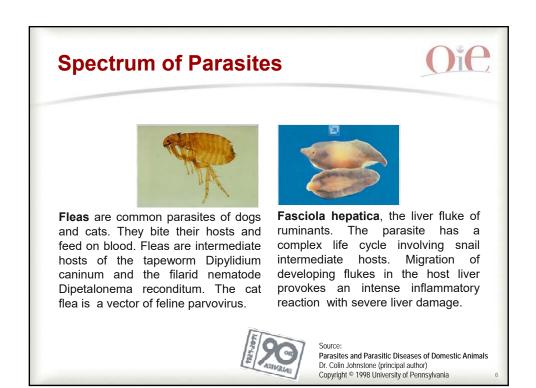
Source:

A cluster of **nematodes**, the roundworm of dogs, **Toxocara canis**. This parasite is common in puppies and may be transmitted transplacentally as well as to nursing pups in their mother's milk. This parasite has public health importance as a cause of visceral larva migrans in man.

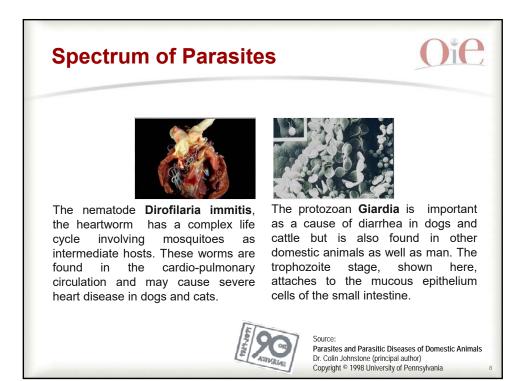
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Parasites and Parasitic Diseases of Domestic Animals Dr. Colin Johnstone (principal author) Copyright © 1998 University of Pennsylvania



## Oie **Spectrum of Parasites** Hematopinus suis, the blood-sucking Anoplocephala perfoliata, a tapeworm louse of swine is common in pigs of horses, is often found in clusters at raised indoors with transmission readily occurring from pig to pig. the ileo-cecal junction. It is widespread in distribution and usually benign. However, cecal abscesses, and Infested pigs are restless and rub their intussusceptions have been reported. skin frequently to relieve the itching. Source Parasites and Parasitic Diseases of Domestic Animals Dr. Colin Johnstone (principal author) Copyright © 1998 University of Pennsylvania 7



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Parasites in fish include external parasites (shown above: isopod *Anilocra gigantea*), leeches, nematodes, cestodes, flukes, carp lice and salmon (sea) lice. *Tetracapsuloides bryosalmonae*, a myxozoan parasite causes Proliferative kidney disease (PKD) in salmonids. Sea lice are marine ectoparasites (external parasites) that feed on the mucus, epidermal tissue, and blood of host marine fish. Lepeophtheirus salmonis and various Caligus species are adapted to saltwater and are major ectoparasites of farmed and wild Atlantic salmon. Several antiparasitic drugs have been developed for control purposes.

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