



Deworming: The Magic for the Better Health

Suprith Surya*

Consultant Veterinary Surgeon and in Charge; Advanced Surgical Skill Enhancement Division (ASSEND), Yenepoya (Deemed to be University), Mangalore, India

***Corresponding Author:** Suprith Surya, Consultant Veterinary Surgeon and in Charge; Advanced Surgical Skill Enhancement Division (ASSEND), Yenepoya (Deemed to be University), Mangalore, India.

Received: February 21, 2025

Published: February 28, 2025

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Helminth infections are one of the major diseases worldwide, especially in every developing nations. These includes trematodes, cestodes and nematodes. They thrive of the nutrition available in the host by suppressing the host growth, immunity, nutritional levels and leaves animals in a co morbid condition. These helminth infections are the most underrated scenarios globally that can even result in the death of pets, livestocks and other animal species. This remains the major concern if not addressed.

With the evolution of living creatures, food habits and lifestyle; the helminthes too have evolved and has developed the resistance and mutations leading to the novel diseases. These helminths enter into the body via various routes like inhalation, ingestion, contact and so on. Later moves into the tissue or organs where they get a conducive atmosphere for their sustenance and replication resulting in the tissue damage, organ damage and leading to morbidity and mortality.

Climate, topography, soil type, altitude, rainfall, humidity are the major factors responsible for the distribution of the helminths. Although helminthes are the most underrated etiological factors that are equally potential to cause the death of the host similar to other pathogens. They are of zoonotic importance. Major helminth infections are Cysticercosis, Ascariasis, Schistosomiasis, Fascioliasis, Diphyliidiasis, Angiostrongyliasis, Vermin bronchitis, Hydatidosis, Oncocercosis, Filariasis, Parafilariasis, Trichuriasis, Baylisascariasis and so on. These helminthes potentially damages

the lymphatic system, nervous system, Hepatic portal system, circulatory system, respiratory system, gastro intestinal tract, ocular system etc and may lead to a life time co-morbid state.

Vectors, careers and intermediate hosts plays vital role in helminthes infection hence managemental practices in grazing management, control of vectors, intermediate hosts and careers needs to be addressed on priority. Helminth infections can be controlled by the proper scheduled usage of anthelmintics along with the scheduled vaccinations. Regular deworming in the frequent interval should as per the surveillance data can make a difference and uphold the professional integrity and can directly support for the better outcome of the one health mission.