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Importance Of Veterinary Medicine In Different Professional Fields

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INTRODUCTION

Veterinary medicine is a very broad work activity for multiple reasons, but one of them is the great variety of species, both domestic and wild, that exist.

Veterinary medicine is not only important to prevent the health of animals but also to protect the health of people since some diseases of animals can be transmitted through them to people, the veterinarian is important in animal welfare since it controls from its health, gestation, birth and treats diseases that it may contract throughout its life but It is not only important in these areas since veterinary medicine fulfills a very extensive role that in addition to dedicating itself to animals and contributing to society can be included in the creation of food making sure that they meet the nutritional requirements, they can contribute in the field, likewise the veterinarian can be in charge of sharing their knowledge as a teacher.

What is veterinary medicine?

It is the application of medicine, but to animals, it deals with preventing, diagnosing and treating diseases, disorders and injuries in animals.

Nowadays the veterinarian is as important as for the health of animals and public health since some diseases can be spread through zoonosis (transmitting diseases from animals to people).



Veterinary medicine is an extraordinarily diverse discipline. In fact, there are more than twenty branches of veterinary medicine. You can work in a research laboratory, a zoo or a poultry farm or in a host of other sectors, including academia.

Other Important Functions of a Veterinary Doctor

The work of the veterinarian is extensive and performs different activities, among them we find the following...

- The M.V ensures the health of all domestic, wild and zootechnical animals.
- Treats and diagnoses diseases that affect aquatic, terrestrial, flying, or other animals.
- They can carry out health inspections.
- They can conduct research and teach.
- Participate in and promote the correct use of medicines and chemical material that are for veterinary use.
- Perform operations or surgical interventions when necessary.

How Important Is Veterinary Medicine?

Veterinary medicine is important because it protects not only the health of animals, but also contributes to ensuring public health, preventing outbreaks, avoiding the spread of diseases that threaten animals and people (zoonoses).

In addition, Veterinarians are responsible for guaranteeing food safety by ensuring the quality of food, improving animal health by preventing and eradicating diseases.

The veterinarian performs several occupational fields in public and animal health. Among those that are detailed are: Diagnose, prevent and treat diseases of companion animals (cat, dog, horses, among others), production animals (cattle, sheep, goats, swine, etc.) and wildlife (sea lions, seals, turtles, etc.). In addition to directing, organizing, planning and advising zoos, ecoparks, private, municipal, provincial or national reserves, in the preservation of native and exotic fauna, in response to preserving species that are in extinction.



Fields of action

The veterinarian has different fields of action, among them we find:

Agricultural, in this field the veterinarian is of great relevance, since animal production is closely related to the health part when it comes to producing safe food for humans. These activities include monitoring vaccinations, controlling outbreaks when a disease is triggered in these populations, preventing and treating diseases, correct design of facilities, distribution of animals at different stages of the production process, nutrition and reproduction.

Universities, teaching in the agricultural area.

Airports and seaports

There are situations where some animals travel from one country to another for commercial purposes (live animals). It is important to have a regulatory veterinarian who guarantees the optimal conditions for the welfare of the animals during the trip according to the requirements of each species.

In the field

You can work in the field as an independent or you feel part of an institution (public or private). Field work refers to practicing medicine that is applied in clinics, not necessarily within a hospital facility. It represents performing medical work on farms, corrals, zootechnical productions, etc.

Working in the field is common for specialists in:

- Medicine of large species (equine and/or bovine)
- Veterinary pathology
- M.V.Z
- Microbiology
- Bovine and equine reproduction

Public Health

This is the field of action where veterinarians may have the greatest relevance in their contribution to human health worldwide. Organizations that watch over health around the world, veterinarians are required to rigorously inspect control points where there are possible risks of spreading zoonotic diseases (transmission of diseases from animals to humans) and anthroozoonotic (transmission of diseases from humans to animals), in order to avoid the occurrence of epidemics or pandemics in humans. These possible risk factors include means of transmission such as the consumption of contaminated food (meat, milk), through airways or by direct contact with mucous membranes or biological secretions of sick animals.

For this, it is necessary to have knowledge about:

- The biological cycles of parasites that are shared between species (in which different animal intermediates are involved), in order to interfere with the cycles (naturally or artificially).
- Pathologies of bacterial or infectious causes (zoonotic and/or anthroozoonotic).
- Pathologies of viral causes (zoonotic and/or anthroozoonotic).
- Preventive veterinary medicine. To prevent its spread based on knowledge of the sources and means of transmission.

Within this field of action, necropsies play a very important role, which help determine the causes of death of an animal prior to its death or slaughter.

CONCLUSION

Veterinary medicine in society is very important because it fulfills a surveillance function against diseases that can cause great economic and human losses, in addition to improving the quality of life of our pets, whose importance as members of the family has been growing over time and ensuring the health of the environment. That is why, working hand in hand with other specialties and professions, we seek to prevent diseases and ecological disasters that affect society. In addition, veterinary medicine can be applied in other fields of work and a veterinarian can be in charge of other things, not only animal health as previously proposed.

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