



The importance of Veterinary Medicine in the different professional fields

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## **Introduction**

This document deals with the importance of veterinary medicine in different professional fields.

Veterinarians guarantee food safety through food safety, improve animal health by preventing and eradicating diseases in animals and help manage ecosystems by avoiding imbalances due to climate change or invasive species.

Veterinary medicine can be one of the most exciting fields of study.

Veterinarians play an important role in the health care of pets, livestock, zoo animals, sporting animals, and laboratory animals.

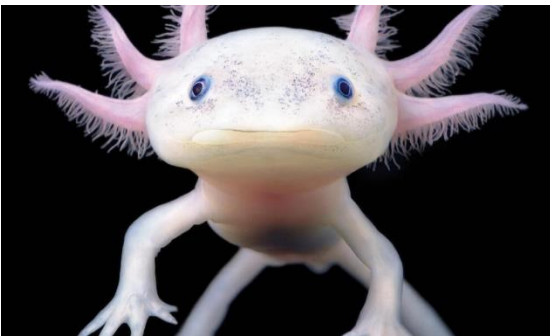
## Development

### What are the veterinary specialties?

- Companion animals: such as dogs and cats, they include specialties such as dermatology, ophthalmology, cardiology, neurology, oncology, orthopedics, endocrinology, gastroenterology and dentistry.



- Exotic animals: such as birds, reptiles and rodents. Within this category we find specialties such as aviology, herpetology and small animal medicine.

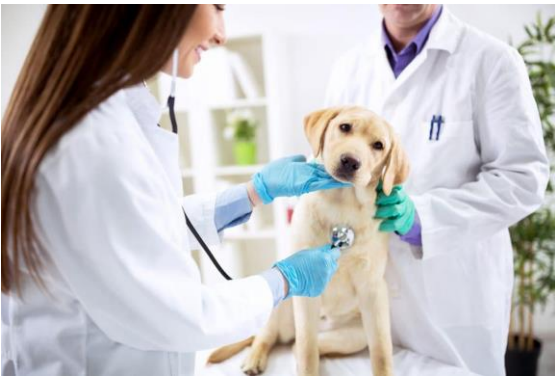


- Wild and zoo animals: this specialty carries out research and conservation of wildlife, fauna pathology and anesthesiology.



## **Veterinary specialties by clinical area**

- Internal medicine: the specialists who practice this are responsible for diagnosing, without applying surgery, the diseases that affect the different systems of the animal body: digestive, urinary, respiratory and cardiovascular.



- Veterinary emergencies: this is a vital specialty, since it helps those animals that are in critical condition or with rare diseases. Normally, these specialists work in hospitals or veterinary clinics.



- Surgery: it focuses on the diagnosis and treatment of surgical diseases, such as fractures, tumors, hernias, etc.



- Dermatology: This area specializes in the diagnosis and treatment of skin diseases, infections, tumors, etc.



- Physiotherapy: it is a very useful specialty for those animals that have suffered from traumatological ailments or diseases. Its main objective is to get the animals to recover their mobility.



- Ophthalmology: eye diseases are very common among pets, so qualified personnel are needed to diagnose and treat their pathologies, such as cataracts, glaucoma or trauma.



- Oncology: this is the specialization focused on the study, detection and treatment of all types of cancer in animals.



- Radiology: This specialty focuses on the use of medical images for the diagnosis and treatment of pathologies. X-rays, ultrasounds and CT scans are usually performed.



- Animal nutrition: this area is dedicated to the evaluation of the nutritional needs of an animal based on different parameters, such as age, sex, physical condition, previous pathologies, allergies, etc.



### **Other veterinary specialties:**

- Veterinary pharmacy: in this field, professionals prepare master formulas for the development of medicines for animals.



- Veterinary homeopathy: the veterinary field also has specializations in medicine and natural therapies, such as homeopathy or phytotherapy.

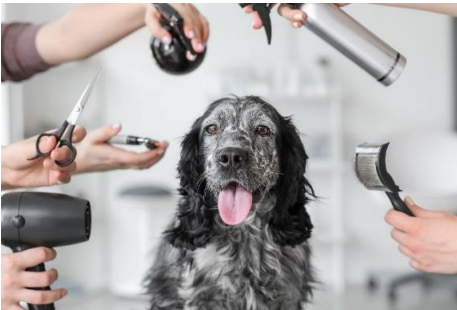




- Training: people who decide to train to be dog trainers are responsible for working on the obedience of these animals.



- Grooming: there are grooming salons designed especially to receive animals. It must be taken into account that an animal also wants to feel comfortable and maintain good body hygiene.



- Animal-assisted therapy: this area specializes in the well-being of people through their bond with animals and the physiological advantages of some animals, such as the movement of horses in people with pathologies that affect mobility.



## **Definitions/concepts:**

### **What is ophthalmology?**

It deals with the study and treatment of eye diseases, as well as the muscles related to their movement, the eyelids, tear ducts and the connection of the eyes with the brain.

### **What is oncology?**

Oncology is the branch of medicine that deals with the prevention, diagnosis and treatment of neoplasias and tumors, especially cancer.

The medical specialty that involves the treatment of the musculoskeletal system. It includes its bones, joints, ligaments, tendons and muscles.

**What is gastroenterology?** It is the study of the normal function and diseases of the esophagus, stomach, small intestine, colon and rectum, pancreas, gallbladder, bile ducts, and liver.

**What does herpetology study?** It studies fundamental aspects of the basic biology of amphibians (toads, frogs, salamanders, caecilians, etc.) and reptiles (lizards, snakes, vipers, turtles, crocodiles, etc.).

**What is the meaning of cardiovascular?** It refers to the heart (cardio) and blood vessels (vascular). The cardiovascular system includes: The arteries.

**What is a hernia?** It is a sac formed by the lining of the abdominal cavity (peritoneum). The sac passes through a hole or weak area in the strong layer of the abdominal wall that surrounds the muscle, called fascia.

**What is glaucoma?** It is a disease of the optic nerve that usually runs in a chronic, progressive and irreversible way.

- **Homeopathy** is an alternative medicine system created in 1796 by Samuel Hahnemann based on his doctrine of "like cures like", which maintains that a substance that causes the symptoms of a disease in healthy people will cure the same in sick people.

**What is herbal medicine?** It consists of using plant species and their derivatives to prevent, cure or relieve symptoms and diseases.

## **Conclusion**

The field of veterinary and animal husbandry is broad and diverse, and covers several sectors of the economy, both public and private.

The role of veterinary medicine in society is very important because it plays a surveillance role against diseases that can cause great economic and human losses, in addition to improving the quality of life of our pets, whose family members are very important to us and have grown with us 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.

## Literature

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