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Veterinary medicine

Veterinary medicine, also called veterinary science, is a medical specialty related to the prevention, control, diagnosis and treatment of diseases that affect the health of domestic and wild animals and the prevention of the transmission of animal diseases to people. Veterinarians ensure a safe food supply for people by monitoring and maintaining the supply of food-producing animals.

Veterinary medicine has made many important contributions to animal and human health. Included are dramatic reductions in animal sources of human exposure to tuberculosis and brucellosis.

Veterinarians address the health needs of domestic animals, including cats, dogs, chickens, horses, cows, sheep, pigs, and goats; wild life; zoo animals, pet birds and ornamental fish. The sizes of the animals covered range from newborn hamsters to adult elephants as do their economic values ranging from the indefinable companionship value of companion pets to the high monetary value of a winning racehorse. Medication of this variety of tame and wild animals requires special knowledge and skills.

Based on recognition by the world health organization or the country's government, there are around 450 veterinary degree programs worldwide. The level of veterinary information varies greatly between various countries, and only about a third of these programs designate the degree awarded as a doctoral degree.

Student activities in the clinical environment will be carried out under the supervision of veterinary graduates of the faculty. There are several important additional training opportunities available to graduating veterinarians. Internship (1 year) and residency (2 to 5 years) programs allow veterinarians to gain clinical competencies in one or two medical specialties. Graduate veterinarians can also pursue advanced degree programs. Typically the field of advanced study is medical-oriented, but some seek advanced degrees in areas such as business.

It is a kind of medical specialty for the prevention, control, diagnosis and cure of diseases that affect the health of domestic and wild animals. It is also concerned with preventing the transmission of animal diseases to humans, veterinarians supervise and maintain health conditions of food-producing animals, veterinarians also ensure that the food supply through these animals is safe for human consumption.

People who serve as doctors for animals have existed since the earliest recorded times and veterinary practice was established as a specialty as early as 2000 BC. in Babylon and Egypt. The ancient Greeks had a class of doctors they called horse doctors and the Latin term for the species, *veterinarius* (belonging to the beast of burden) came to denote the field in modern times. Today veterinarians serve throughout the world in private and corporate clinical practice, academic programs, private industry, government service, public health, and the military services. They are often supported in their work by other veterinary medicine professionals, such as veterinary nurses and veterinary technicians.

Biomedical research is the broad area of science that seeks to prevent and treat diseases that cause illness and death in people and animals. This general field of research includes many.

Area of biological and physical sciences, leaving aside the controversial issues surrounding the use of animals in biomedical research, the fact that animals are used in research that requires the participation of veterinarians in this field, researchers using biotechnological techniques Biomedics study biological processes and diseases with the ultimate goal

To develop effective treatments and cures, biomedical research is an evolutionary process that requires careful experimentation by many scientists including biologists and pharmacists. The discovery of new drugs and therapies requires careful

scientific experimentation, development and evolution. In this environment, veterinarians must be registered with organizations that engage in biomedical research with animals. These include universities, research hospitals, commercial research facilities, as well as pharmaceutical companies and biotechnology companies. In the United States, animal research is supervised by the Department of Agriculture, which also employs veterinarians to monitor regulatory compliance within those facilities. These are just some of the areas in which veterinary medicine impacts all members of society. Regardless of whether one has regular contact with animals (including those people who do, do not consume animals for health or ideological reasons).

Linkography

- <http://www.britannica.com/science/veterinary-medicine>
- <https://nexgenvetrx.com/blog/vveterinary-medicine-its-importance/>
- <https://www.ashishlifescience.com/importance-of-veterinary-medicine-in-maining-animal-health/>