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NOMBRE DEL ALUMNO:

JUAN RUBEN LOPEZ GUZMAN

TEMA:

LA IMPORTANCIA DE LA VETERINARIA  
EN LOS DIFERENTES CAMPOS.

Parcial

PRIMERO

MATERIA:

INGLES I

DOCENTE

ARREOLA JIMENEZ EDUARDO ENRIQUE

LICENCIATURA:

LICENCIATURA MEDICINA VETERINARIA  
y Zootecnia.

CUATRIMESTRE

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# The importance of veterinary medicine in different fields.

Veterinary public health, is a term first used by WHO in 1946 with the intention of determining a programmatic framework covering all public health activities and relating to veterinary medicine, in the contexts of protecting and improving human health.

National Producer of Veterinary Biologicals  
August 02, 2021.

PRONABIVE Veterinary, Doctor.

There are different diseases of animal origin to which humans are susceptible such as avian influenza, rabies, brucellosis, spongiform encephalopathy (mad cow) or COVID-19 itself.

These pathogens represent global risk to public health, for which the starting point of prevention is animal health care.

The role of the Veterinarian in any of his areas of action, whether administration, research, teaching, food production of animal origin and the care of small species, assume a fundamental responsibility for the prevention and



Control of zoonotic pathogens from the source of origin. In this way, animal health becomes a vital axis for public health care.

The veterinarian has the responsibility to implement in his area of competence, the one health approach (One Health) which is a philosophy whose orientation is to prevent and treat diseases in animals that affect people's health, in harmony with the environment.

Under this concept, veterinary medicine protects people's health and contributes to ensuring public health by preventing diseases from their origin, which affect the world population.

In addition to the above, veterinarians guarantee food safety through food safety, improve animal health by preventing and eradicating diseases in animals and help manage ecosystems due to climate change or invasive species.

Next August 17, let's celebrate the Day of the veterinary Zootecnico by recognizing the important contribution to the health of animals, the livestock sector and public health.

Veterinary is vital in multiple fields by ensuring animal health and welfare through disease control, food safety and environmental conservation. Veterinarians protect public health by preventing zoonoses (diseases transmitted from animals to humans), ensuring safe food, contributing to biomedical research and watching over biodiversity. His work is fundamental for the development of ~~the~~ livestock, the protection of ecosystems and the application of the concept of One Health, which unites human, animal and environmental and health.

## Public Health and food Safety.

### Zoonosis Control:

Veterinarians are crucial to prevent, control and eradicate diseases that can be transmitted from animals to humans, such as avian influenza or anthrax, thus protecting public health.

**Harmless Food:** They ensure that food of animal origin is safe and quality, through the application of good livestock practices, inspection and health surveillance throughout the production chain.



# Animal Welfare and Environmental Conservation.

Animal care: They meet the health and well-being needs of various animal species, from pets to production animals and wildlife.

Ecosystem Conservation:

They contribute to the health of ecosystem by protecting biodiversity, monitoring the genetic variability of endangered species and establishing sustainable production practices.

Research and development.

Biomedical Research:

Veterinary science provides valuable knowledge and techniques for biomedical research, with applications that benefit both animals and humans.

Product Development: They participate in the creation and regulation of new veterinary and animal consumption products, such as medicines and food.

Economy and Livestock Production.

Livestock Production: They advise and manage the health and reproduction of livestock, improving profitability and



efficiency in the production of food and other products of animal origin.

### Sustainable Development:

They help establish sustainable production and food methods, essential for socio-economic development and responsible resource management.

The role of veterinary medicine in society is very important because it serves as a surveillance function against diseases that can cause great economic and human losses. It also improves the quality of life of our pets, whose importance as family members has grown over time, and ensures the health of the environment. For this reason, working hand in hand with other specialties and professions, we seek to prevent diseases and ecological disasters that affect society.

The countries that have faced the swinepox virus include Mexico, which eradicated it in 1991 with the help of the United States and other Central American countries using the sterile insect technique (TIE). Recently, in 2023 and 2024, the plague has resurfaced in Panama, Costa Rica, Nicaragua, and Guatemala, leading to the declaration of a state of emergency in Panama and the implementation of a new regional plan in conjunction with Mexico and Central America to control it.