

# Coronavirus: A Practicing Veterinarian Prospective

Muhammad Mazhar Ayaz<sup>1,\*</sup>, Muhammad Mudasser Nazir<sup>2</sup>, Muhammad Saleem Akhtar<sup>3</sup>, Mubashir Aziz<sup>4</sup>, Kamal Niaz<sup>5</sup>, Tanveer Ahmad<sup>3</sup>, Haroon Ahmad<sup>6</sup> and Ahsan Sattar Sheikh<sup>7</sup>

<sup>1</sup>Faculty of Veterinary Sciences, Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan

<sup>2</sup>Department of Pathobiology, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan

<sup>3</sup>Department of Clinical Sciences, Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan, Pakistan

<sup>4</sup>Institute of Pure and Applied Biology, Bahauddin Zakariya University, Multan, Pakistan

<sup>5</sup>Faculty of Biosciences, Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan

<sup>6</sup>Department of Biosciences, COMSATS Institute of Information Technology, Chak Shahzad Campus, Park Road, Islamabad

<sup>7</sup>Institute of Molecular Biology and Biotechnology, University of Lahore, Lahore

## Abstract

COVID19 is posing threat cosmopolitically encompassing more than 200 countries and making threat to entire population globally as pandemic. The cats, dogs and bovine are at threat which are close partner to human population. The veterinarians specially practicing are at risk when they encounter the sick animals. This study focus to the Pakistani veterinarian where animal population is under estimated or sometimes census is not performed. As Current population of domestic animals in Pakistan consist of 23.34 million buffaloes, 22.42 million cattle, 24.24 million sheep, 49.14 million goats, and with a huge population of dogs and cats without official census which may pose a threat to innocent population and even more a practicing veterinarian and veterinary paramedics are more at threat, if god forbids. There is need for further investigation its role and zoonotic perspective. Regarding practicing field veterinarians fighting without weapons against mass destructing pathogen and making vulnerability on wide.

**Corresponding author:** Muhammad Mazhar Ayaz, Faculty of Veterinary Sciences, Cholistan University of Veterinary and Animal Sciences, Bahawalpur, Pakistan, Email: [mazharayaz@bzu.edu.pk](mailto:mazharayaz@bzu.edu.pk)

**Citation:** Muhammad Mazhar Ayaz, Muhammad Mudasser Nazir, Muhammad Saleem Akhtar, Mubashir Aziz, Kamal Niaz et al. (2020) Coronavirus: A Practicing Veterinarian Prospective. International Journal of Coronaviruses - 1(3):22-23. <https://doi.org/10.14302/issn.2692-1537.ijcv-20-3473>

**Keywords:** Covid-19

**Received:** Jul 03, 2020

**Accepted:** Jul 11, 2020

**Published:** Jul 20, 2020

**Editor:** Sasho Stoleski, Institute of Occupational Health of R. Macedonia, WHO CC and Ga2len CC, Macedonia.

## Introduction

The emerged pandemic is producing havoc in every folk of life and spreading more than 200 countries globally. As practicing veterinarian prospective pets especially dogs are being vaccinated against coronavirus and same is the case with cats; which makes these animals susceptible for potential carriers as described earlier ((Mallapaty 2020)<sup>3</sup> <https://www.nature.com/articles/d41586-020-00984-8>) and dogs are equally attributed for spread in humans (Shi, J. *et al.* Preprint at <https://doi.org/10.1101/2020.03.30.015347> (2020)<sup>2</sup> (Martina 2003)<sup>4</sup>. In the earlier Hora (2020)<sup>1</sup> described the importance of nasal swabs from cats (see Nature <http://d41586-020-01077-2>) as there are highest population of cats in Brazil and same is case with Bovine Coronavirus which could be as fatal as cats as many farmers at Pakistan and globally own cows and buffalos as their member of family, which shows its susceptibility with coronavirus. As Current population of domestic animals in Pakistan consist of 23.34 million buffaloes, 22.42 million cattle, 24.24 million sheep, 49.14 million goats, and with a huge population of dogs and cats without official census (<http://www.sciencevision.org.pk/BackIssues/Vol9/22.livestock.>) which may pose a threat to innocent population and even more a practicing veterinarian and veterinary paramedics are more at threat, if god forbids. There is need for further investigation its role and zoonotic perspective regarding practicing field veterinarians fighting without weapons against mass destructing pathogen and making vulnerability on wide.

## References

1. Hora,A.S.de. (2020). "Coronavirus: a veterinary view". Nature 580.
2. "Shi, J. et al. Preprint at bioRxiv <https://doi.org/10.1101/2020.03.30.015347> (2020)."
3. Mallapaty, S. (2020). "Coronavirus can infect cats-dogs, not so much." Nature.
4. Martina, B. E. E. (2003). Nature 425.