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Letter to the Editor



Recognizing the role of animal-assisted therapies in addressing mental health needs during the **COVID-19** pandemic

The current pandemic of Corona Virus Disease (COVID-19) has affected millions of lives across the world (Tandon, 2020a, 2020b). The majority of the countries have implemented a course of action such as lockdown of cities to contain the infection spread. The pandemic and lockdowns, the isolations, quarantines combined have an immense psychological impact (Ransing et al., 2020; Tandon, 2020a). A review study has shown elevated stress, anxiety, depression, and panic among the general population including the health care workers. People with pre-existing psychiatric illness, elderly and pregnant women, homeless people are more vulnerable to psychiatric morbidities (Rajkumar, 2020; Shoib et al., 2020)

Since prehistoric times there is a bond between humans and pets. Pets are known to provide a sense of companionship and security. Studies have shown human-animal interaction have a potential role in reducing the stress, fear, anxiety, depressive symptoms and promoting calmness and social interaction. Increased oxytocin levels during human-animal interaction is one of the proposed mechanism (Andrea et al., 2012). Pets can also act as a companion to prevent loneliness (Rew, 2000). Another study suggested pets were implicated in providing intimate and secure relationships and proposed pets should be considered as the main source of support (Brooks et al., 2016). Systematic review on Animal-assisted interventions (AAIs) canines, farm animals, equines showed a wider range of applications in depression, anxiety, including severe mental illness schizophrenia. AAI also noted to enhance coping skills, improving self-efficacy (Maujean et al., 2015). There are certain methodological limitations in these available studies like small sample size, controls, and blinding.

There is also a concern regarding the risk of transmission of COVID-19 infection from animals to humans, even though millions of people in the world have been affected by COVID-19 infection, however, there are only a few reports of pets testing positive for the virus and no robust evidence related to pets transmitting the infection to their owners, and no available guidelines for COVID-19 testing in pets (Parry, 2020).

There is a pressing need for timely intervention to prevent these mental health morbidities. Its challenging task in low and middleincome countries as there is minimal access to health care and scarce resources. Identifying and using the existing resources such as pets to address loneliness and mental health concerns is one feasible option. There is a paucity of literature in this field, immediate attention needed to recognize the role of pets through systematic and experimental studies. The role of pets in addressing mental health seems to be promising in this regard.

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Declaration of Competing Interest

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