Exergaming: An Effective Way to Maintain Physical and Mental Health at Home during COVID-19 Pandemic

Sir.

The recent pandemic of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), also known as coronavirus disease 2019 (COVID-19), has adversely affected the life of masses all across the world. The ones who got infected by this deadly virus have been guarantined and self-isolated for months. In the best interests of general public, the government of Pakistan implemented the state of lockdown in the country dating back in the month of March, 2020 and it led to a situation where everyone including adults, kids and elderly were home--struck with little healthy recreational physical activities; and the situation is still the same. The physical and mental health have also been seriously affected among all age groups. Gyms, parks and sports clubs are all closed and people are left with quite limited health promoting alternatives. So, in this scenario, exergaming is an advisable option to maintain and promote physical as well as mental health. It works on the concept of virtual reality where integration takes place between exercise and physical activity through digital games. Exergaming encompasses various kinds of physical activities including walking, running, cycling, swimming, stair climbing, rowing, baseball, tennis, Frisbee, boxing, golf, stretching and strengthening exercises, dancing and yoga, etc.² The gaming devices have been found to improve the physical and mental health and are very safe to use at home. 2,3 It has also been observed that the exergaming reduces the anxiety and stress occurring because of isolation in COVID-19 outbreak.²

Moreover, staying active also improves the immunity, which plays a crucial role in fighting against the microorganism-mediated ailments including COVID-19. Apart from boosting the immune system, physical exercise, which might not prevent the development of this disease, reduces the negative impact that is brought about by stress of living in isolation. Literature also supports that the physically active patients have shorter recovery period with less severe symptoms. Physical exercises using exergaming platforms not only improve the fitness in healthy individuals, but also those suffering from diseases.

Exergaming devices are user-friendly and are equipped with biofeedback system, which enhances the motivational level of the user. They are easily available in all the major cities of Pakistan. The most reliable, locally available brands are Nintendo and X-Box. Their price varies from as low as PKR 10,000 for a refurbished console to 60,000 for a new one. In order to effectively achieve the benefits of exercising at home, exergaming is a best tool.

CONFLICT OF INTEREST:

The authors declared no conflict of interest.

AUTHORS' CONTRIBUTION:

NS: Concept, design and accountable for this work. KK: Drafting, revision and accountable for this work. MMAA: Critical analysis, final approval and accountable for this work.

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