COVID-19 SAFETY RECOMMENDATIONS FOR THE REOPENING OF THE DR. JOAQUIM GRAVA CORINTHIANS TRAINING FACILITY

ABSTRACT

Since December 2019, the world has been fighting the SARS-CoV2 virus (severe acute respiratory syndrome coronavirus 2). Little is known about vaccines and forms of treatment at this point. However, the importance of preventing transmission is very clear, and one of the main measures is social isolation. Major sports tournaments, including soccer championships, have been suspended or cancelled due to COVID-19, on the grounds of our understanding of the importance of social isolation. Accordingly, large clubs have handed over their stadiums for the construction of field hospitals, and have encouraged health care by providing guidance on hygiene and social distancing. The involvement of soccer in the prevention of this pandemic is due to the fact that its managers understand the importance of this sport in the process, and its influence on fans and players. Over the years, soccer has incorporated scientific and technological knowledge into the game, which has frequently served as a role model for other types of sport and for the population. Therefore, in these extreme times of the COVID-19 pandemic, there is no reason to believe it would be any different, and standpoints taken by soccer teams serve as an example and reiterate their role in the educational commitment to society and respect for government authorities. As a result, a protocol was drawn up for the resumption of training, in which all recommendations that devolve on players, managers/backroom staff and employees are in accordance with official health agencies of the national and international government. In other words, the resumption of training is subject to the authorization of government authorities.

Keywords: SARS-CoV-2; Soccer; COVID-19.
Repercussions of COVID-19 on sport

The first confirmed case of COVID-19 emerged in December 2019 in the city of Wuhan, China. Since then, the world has been fighting against the SARS-CoV-2 virus. Little is known about vaccines and forms of treatment at this point. However, the importance of preventing transmission is very clear, and one of the main measures is social isolation. In the world of sports, although athletes are younger and have fewer comorbidities than the general population, and are therefore at lower risk of severe disease or death, it is also necessary to reduce the transmission of COVID-19 to protect those at greater risk of dying, and to delay the pandemic so that health care is available to everyone.

Major sports tournaments have been suspended or cancelled due to COVID-19 since early March 2020, on the grounds of our understanding of the importance of social isolation. Initially, some sporting events were held without spectators to reduce transmission through close contact between fans. Soccer championships were aborted, Formula 1 circuits were suspended, the American basketball league (NBA) postponed the season, other sporting events were forced to cancel when local and state governments placed restrictions on large gatherings, and on March 24, 2020, the International Olympic Committee announced that the Tokyo 2020 Olympic and Paralympic Games would be postponed until July 2021.

Importance of soccer to society

Soccer is one of the most popular sports in the world, hence a large part of the global population shows significant interest in competitions held in several countries. In these times of pandemic, as soccer is a sport with worldwide reach, it should serve as an example due to its considerable relevance. Large clubs have handed over their stadiums for the construction of field hospitals, and have encouraged health care by providing guidance on hygiene and social distancing. Soccer understands its importance in this process and its influence on fans and players.

Available research describes soccer as a sport that is unique in the world, hence a large part of the global population shows significant interest in competitions held in several countries. In these times of pandemic, as soccer is a sport with worldwide reach, it should serve as an example due to its considerable relevance. Large clubs have handed over their stadiums for the construction of field hospitals, and have encouraged health care by providing guidance on hygiene and social distancing. Soccer understands its importance in this process and its influence on fans and players.

As a result, a protocol was drawn up for the resumption of training, in which all recommendations to be followed by players, managers/backroom staff and employees are in accordance with official health agencies of the national and international government, always bearing in mind that the resumption of training is subject to government authorization.

Reopening protocol of the Centro de Excelência e Treinamento de Futebol Dr. Joaquim Grava (Dr. Joaquim Grava Center for Soccer Excellence and Training)

Understanding the current situation we are experiencing with the COVID-19 pandemic, Sport Club Corinthians Paulista has made a commitment to players, managers/backroom staff and everyone involved with soccer, to follow the guidelines and recommendations of official health agencies, focusing on care in the control and curtailment of the disease.

Some measures will be taken during the pandemic period

The participation of the player or any other person involved with soccer must satisfy the inclusion criteria set out below:

1. Not have shown any sign or symptom of COVID-19 in the last 14 days.
2. Not have been in close contact with any person with COVID-19 symptoms, with or without a confirmatory test, in the last 14 days.

Stage 1: At home – Before resuming training sessions

1. All athletes, managers/backroom staff and employees of the training facility will undergo serology testing for COVID-19 (about 48 hours prior to the resumption of training).
to arrival for the 1st training session) to identify immune and nonimmune people. The serology tests may be repeated according to the results, or due to necessity detected by the medical department. In addition, these individuals will undergo the RT-PCR test prior to their return.

During activities, individuals who display symptoms, or those for whom testing is deemed necessary, will undergo the RT-PCR test. 2. Athletes who are IgG positive will undergo an assessment performed by the medical team of S.C. Corinthians Paulista, which will include a cardiopulmonary assessment to identify possible changes in lung function caused by coronavirus as well as laboratory tests, including D-dimer, ferritin and LDH for better evaluation and clinical follow-up.

Knowing the serology test results of the players, managers/backroom staff and club employees is important for transmission control measures, the planning of training and workgroups, and medical monitoring with the necessary assessments and treatment for patients who have the disease.

Stage 2: Leaving home
3. Wash your hands thoroughly with soap and water. Keep hand sanitizer (alcohol gel) in the car.
4. Drive from your home to the training facility without stopping anywhere. If you absolutely have to stop, keep a 2 meter distance from others, and do not touch anything that does not belong to you.
5. Wear a mask (cloth or TNT) while traveling from your home to the club.
Guidelines on hand hygiene and the use of masks for individual protection and also to minimize transmission are in accordance with the guidelines of the Brazilian Ministry of Health.

The risk of infection on public transport is known to be high, according to the Ministry of Health. (Figure 1)

Stage 3: Arriving at the training facility
6. Before getting out of the car, clean your hands with alcohol gel.
7. Only take essentials with you when leaving the car (leave your cell phone and glasses, for example, in the car).
8. Do not greet anyone with a hug, kiss, or handshake.
9. All people entering the training facility will have their body temperatures taken by a thermal imaging camera. If the temperature is higher than 37.2ºC the physician will proceed as required.
10. Players will not have access to the locker room, laundry room, weight training/physical therapy room, R9 laboratory or medical department. They will arrive at the training facility and go straight to the training ground, already wearing their uniforms.
11. Players will receive their training uniform kits on the first day and will wash/clean them at home.

It is advisable to take only essentials with you when leaving your car in order to reduce the transmission of coronavirus, since it is known that the virus can be transmitted directly through water droplets from saliva, expelled when a person coughs, for instance. Indirect transmission, on the other hand, occurs through contact with infected surfaces followed by contact with the hand, eyes, or nose. It is known that the virus can stay alive on surfaces for hours or days. In view of the above, recommendations such as: only taking essentials with you when getting out of the car, reducing gatherings of people in the same space, e.g., restricting access to the locker room, laundry room, weight training room and other environments, and not greeting others with a hug, kiss or hand shake, are necessary.

One of the first and most notable symptoms of COVID-19 is fever; therefore, taking a person’s temperature serves to identify a symptom that may be related to the disease at an early stage.

Stage 4: During the training session
12. During training sessions participants are required to use their own water and isotonic drink bottles and must not share them. Other utensils, such as towels and vests, must be reserved for individual use.
13. Training sessions will take place in small groups of 6-8 players, on different pitches, according to the schedule of the managers/backroom staff and of the medical department. Group composition tends to be the same in all training sessions, but may change depending on the test results.
14. The backroom/coaching staff must keep a minimum distance of 2m between them.
15. In the presence of any clinical or orthopedic complaint, the player will be referred to the medical department and assessed by the club’s physician.

The purpose of assigning players to smaller groups distributed around different pitches and keeping a minimum distance of 2m between members of the backroom/coaching staff is to achieve social distancing, guidance provided by the Ministry of Health.

Stage 5: After the training session
16. Wash your hands thoroughly.
17. Take materials used during the training session (towel, soccer boots, shin guards, and water bottle) home with you.
18. Only players who need physical therapy or the weight training room for treatment will be directed to the sector. The therapy/weight training location will always be cleaned after treatment with 70% alcohol, hydrogen peroxide or quaternary ammonium, on all surfaces.
19. The members of the medical department and physical therapy team will use PPE.
20. The players or members of the coaching/backroom staff who need medical care or physical therapy will have to wear masks while walking around the premises.

Figure 1. Places with transmission risk - COVID-19.

#ficaemcasa #mascaraparatodos #todoscontraocoronavirus
21. All recovery proposals will be carried out at home under the guidance of the physical therapists.
22. There will be no meals of any kind at the training facility.
23. People who are not involved in the work are prohibited from entering the premises of the Training Facility.
24. Get in your vehicle and drive straight home.

   The post-training period is very important for making sure the environment is clean. Therefore it is essential that athletes take their belongings and uniform home to be washed/cleaned. This guidance serves to reduce contamination of the environment by the virus.12,13

   Soccer is a sport in which injuries14,15 occur due to its characteristic intensity and physical overload, and because of trauma. Thus, injuries can happen even with all the necessary precautions, and on this occasion, the athlete will be referred to the care of the medical team, and will undergo an individual assessment. It is important to remember that health professionals involved with the injured athlete should always use PPE (mask, gloves, goggles) while accompanying the patient.1 Non-emergency care such as post-workout recovery measures will be supervised and carried out at home.

   Reducing the movement of people not directly involved in the work follows the recommendation given by the WHO on the restriction of gatherings. The fewer people there are on the premises, the easier the control of transmission and the disinfection of the site.

   **Stage 6: Arriving home**

25. Remove your clothing and put it in the washing machine. Take a bath/shower. Do not touch anything or anyone before your bath/shower.
26. The social isolation guidance, according to the Ministry of Health, must be respected outside the work environment.

**Final guidelines**

27. Measures such as hand hygiene and the use of alcohol gel sanitizer must be followed in accordance with the guidance of the Ministry of Health.4

28. At-risk groups will refrain from engaging in training facility activities: individuals aged over 60 years and those with chronic diseases.1,4

   The measures are needed to reduce the number of people at the training facility, while protecting players, coaching/backroom staff and others involved in soccer and their families.

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