Medical Support of Tokyo Aquatics Centre and Tokyo Tatsumi International Swimming Center

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Juntendo University will provide medical support for athletes and spectators at the Olympic Stadium, Tokyo Aquatics Centre, and Tokyo Tatsumi International Swimming Center from the Tokyo 2020 Olympic Games Organizing Committee, as well as Izu Velodrome and Izu Mountain Bike (MTB). The course was requested to provide medical support for athletes and spectators in the athlete village in Shizuoka Prefecture (using “Laforet Resort Shuzenji” in Izu City as an Olympic cycling village). Therefore, at the Olympic Stadium, Tokyo Aquatics Centre, and Tokyo Tatsumi International Swimming Center, applicants will be recruited from five Juntendo University Hospitals, and 94 doctors and 159 nurses will be selected to provide medical support. In addition, Izu Velodrome, Izu Mountain Bike Course, and the athlete’s village in Shizuoka Prefecture will be handled by Juntendo University Shizuoka Hospital due to geographical conditions. On the other hand, more than 20 physicians are requested by each sports organization and provide medical care at the athlete village. There are also a number of Juntendo University undergraduate students and alumni who do not specialize in healthcare but participate as volunteers. As of March 16, 2020, the Tokyo 2020 Olympics and Paralympics Games are threatened due to the epidemic of COVID-19¹⁾, but we believe that it will be held and should make solid preparations.

Key words: Olympic and Paralympic Games, Tokyo Aquatics Centre, Tokyo Tatsumi International Swimming Center, Aquatic Park, Juntendo University

Introduction

The great success of the Rugby World Cup 2019 in Japan has raised interest in sports for us. Researching ways to maintain and improve physical health through sports and to prevent depression and dementia mentally is a Sportology²⁾. Hosting Games of the XXXII Olympiad and Tokyo 2020 Paralympic Games (the Tokyo 2020 Games) is a great opportunity for Sportology to make significant progress. The up-close experience of seeing the world’s top players competing at full strength will have a major psychological change in what they see. In addition, it will be a great motivation to move yourself by using the facilities that remain as a legacy after the Tokyo 2020 Games in various aspects. The school corporation Juntendo has also

made a full backup for the Tokyo 2020 Games, and this paper describes the preparation status of medical support for spectators at the Aquatics Centre and Aquatic Park.

Overview

Juntendo University Hospitals has been asked by the Tokyo Organising Committee of the Olympic and Paralympic Games to provide healthcare for athletes and spectators at the Olympic Stadium, Tokyo Aquatics Centre (Aquatics Centre), and Tokyo Tatsumi International Swimming Center (Tatsumi Swimming Center). And also, the Committee has requested to provide medical support for athletes and spectators at Izu Velodrome, Izu Mountain Bike (MTB), and the athlete village in

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Shizuoka Prefecture (using “Laforet Resort Shuzenji” in Izu City as an Olympic cycling village). Therefore, at the Olympic Stadium, Aquatics Centre, and Tatsumi Swimming Center, applicants will be recruited from five Juntendo University Hospitals, and 94 doctors and 159 nurses will be selected to provide medical support. In addition, Izu Velodrome, Izu Mountain Bike Course, and the athlete’s village in Shizuoka Prefecture will be handled by Juntendo University Shizuoka Hospital due to geographical conditions. On the other hand, around 20 physicians will be involved to respond to medical support requests from each sports organization and medical support in the Olympic Village. There are also a number of Juntendo University undergraduate students and alumni who participate as volunteers.

Medical Support at Aquatics Centre and Aquatic Park

Aquatics Centre, located in Koto-ku, Tokyo, accommodates 15,000 people and offers Swimming, Diving, and Artistic Swimming. In the Olympics, Swimming competitions will be held from July 25 to

August 2, 2020, Diving competition will be held from July 26 to August 8, and Artistic Swimming competition starting from August 3 until August 8. These three competition use the pool at different times and are held mainly in the morning, the afternoon, and in the evening to night during the period is 15 days for the Olympic Games. The Paralympics Games will be held only for Swimming competitions from August 26 to September 4. This competitions held at the Aquatics Centre are held mainly in the morning and in the evening to night. Figure-1 shows the main pool and the diving pool in the Aquatics Centre that were opened to interested parties on March 13, 2020. The building was almost completed and goods were carried in. The outer work was being carried out at a rapid pace. As a medical provider, it was a very useful visit because we could check the seat spacing, the width of the aisle, the lead to the medical office, and the emergency transport routes from the site or the medical office. This time, the main focus was on confirming the lead when dealing with sudden illness, but it is also necessary to deal with infectious diseases, including recent COVID-19 infections³⁾. I hope to gain more experience through test events

Figure-1 Tokyo Aquatics Centre
The picture shows main pool and pool for diving competitions.

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Figure-2 Tokyo Aquatics Centre, Tatsumi International Swimming Center, and Aquatic Park

in the future.

Tatsumi Swimming Center, also located in Koto-ku, accommodates 4,700 people, and Water Polo competitions are scheduled to take place in the morning, afternoon, and evening to night, and will be held for 16 days from July 25 to August 9, with the Olympics only. Aquatics Centre and Tatsumi Swimming Center, which are located close to each other, integrate the security area not only in each building but also the outdoor area between the buildings, and as an Aquatic Park (tentative name) (Figure-2). There will be held a goods shop and sponsor events are scheduled in this area. As mentioned above, various competitions at Aquatics Centre and the Tatsumi Swimming Center venue are held from morning to night, so there are many

people such as waiting for the next competition or after the audience in this Aquatic Park. Various measures will be taken against outdoor heat, such as setting a cool zone and spraying mist. Considering the recent heat, this outdoor venue is considered to be the place where patients are most likely to occur. A frequently considered condition is poor health due to heat stroke. However, it is necessary not to miss a serious illness that is missing among heat stroke patients.

Juntendo University Hospital will provide medical support to spectators at the Olympic Stadium in cooperation with Keio University Hospital. Juntendo University Hospital will also cooperate with Keio University Hospital for patients who need hospitalization and treatment. And we are building a close coordination system with the Tokyo Fire Department, the Tokyo Medical Association, the Koto-ku Ward Medical Association, and nearby hospitals and clinics. Juntendo University are fully supporting Juntendo University Hospital and Juntendo University Shizuoka Hospital. We want to do our best to respond to valuable experiences that cannot be replaced with anything, with the spirit of the Juntendo “Jin”.

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Disclosures

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