Current Concerns About SARS (Severe Acute Respiratory Syndrome)

Shinobu Takenaka

dealt with in the future. the outbreak and treatment of this disease, as well as its current status and how it should be to threaten human prosperity. I would therefore like to talk to you today about the history of of history. At the dawn of the 21st century, SARS became the most recent infectious disease 19th century and AIDS in the late 20th century, all teach us how diseases can affect the course strain of influenza, as well as the scourges of syphilis in the 18th century, tuberculosis in the humankind. The ravages wrought by the Spanish flu, which is thought to have been a new Many dangerous infectious diseases have the potential to affect the prosperity of

are very much like those of influenza. by symptoms of respiratory distress such as coughing and inflammation. Thus, the symptoms or more, chills, muscular pain and other symptoms throughout the body. These are followed First, let me explain the symptoms of the disease. The first signs are a fever of 38 degrees

when coughing and other respiratory symptoms are apparent. approximately one week before symptoms appear. It is most contagious during the stage The cause of this disease is a new strain of corona virus that has an incubation period of

only a few cases of SARS have been reported, mostly among researchers. However, on July 5th, 2003, WHO declared that the epidemic had ended. were cases of SARS reported in 32 countries around the world. The mortality rate is 9.6%. 1,755 cases with 300 deaths in Hong Kong, and 251 cases with 41 deaths in Canada. There the death of the patient. These included 5,327 cases with 349 deaths in mainland China, there were 8,098 cases of SARS reported around the world to date, of which 774 ended in According to a report issued by the World Health Organization (WHO) in October 2003, Since that time

disease and was later classified as Type I—the most dangerous class of communicable diseases. with the nation's infectious disease control law, SARS has been designated an infectious Fortunately, there were no cases of SARS reported in Japan. However, in accordance

so as to avoid panic in the event of an outbreak. handle SARS cases. It is also important for the general population to understand the disease the country. One issue of concern is control of the disease within hospitals designated to the training of medical personnel and creation of isolation wards, have been taken throughout In addition, preparations to handle cases, should there be an outbreak in Japan, including

disease was transmitted to medical personnel at the hospitals where they were treated. The were at first thought to have caught pneumonia from an unidentified source. From them, the in Vietnam, Canada, Singapore, the United States and other parts of China. These patients staying at the hotel, who then brought the virus with them when they returned to their homes the Metropole Hotel in Hong Kong during February 2003, transmitting it to other guests transmission to other countries was the fact that a person infected with the disease stayed at first case appeared in Guangdong, China in November 2002. The biggest factor in its rapid Now I would like to consider why SARS spread around the world so quickly after the

priorities and succeeded in containing it. may have been too slow, but eventually the country made the SARS epidemic one of its top after the country had declared that it was under control. In China, the response to the disease SARS outbreak in a manner befitting an advanced nation, the disease started to spread again by WHO, which raised the alarm about the new disease on March 12th, 2003. It was at this disease was brought under control in Vietnam relatively quickly thanks to early intervention time that the disease was named SARS. On the other hand, although Canada handled the

environment, but there have been no reported cases of people contracting the disease indirectly who show no symptoms is quite low. SARS can be picked up from objects in a patient's concentrated contact. The likelihood of contracting the disease on city streets or from people What we now know about SARS is that it spreads through airborne particles during

but also the population at large so that there will not be panic if an outbreak does occur. is necessary to improve the understanding of not only people working at medical facilities SARS, but research is being conducted to develop a vaccine to prevent its spread. Finally, it great care is needed in the diagnosis, care and management of this contagious disease. In from areas in which there have been SARS outbreaks. There is no medicine known to cure Japan, great emphasis is now put on detailed questioning of tourists and Japanese returning from items such as foodstuffs, imported goods, or mail. In sum, there are many areas where the clinical findings on SARS are yet unclear, and

another such outbreak is therefore not "if", but rather "when" it will occur, we need to be humankind. Let us pray that we do not allow SARS to have such an effect. history makes it clear that the spread of disease can delay or even prevent the prosperity of ready to put the lessons we learned in dealing with SARS into practical use. A study of or less, making it easy for another disease like SARS to spread. Since the question about Today, modern transportation systems allow us to go anywhere in the world in two days