



The Absence of a National Public Health Police for COVID-19 in Brazil: The Consequences for Tourism Management

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Abstract:

The fast transmission and high contagiousness characteristic of SARS-CoV-2 detected in Wuhan, China was determined by first studies that concluded, in a serial interval of 6-9 days, a median R0 value of 5.7 (95% CI 3.8- 8.9) of human to human transmission, that alerted to the rapid domestic spread potential in China by travels, an increased risk factor due to the proximity of the new year celebrations in China. As a respiratory virus infection, the transmission occurs by direct or indirect contact, usually by droplet spray in short range or aerosol in long range transmission. Some international health government agencies, advice to keep a safe distance from person to person of 6 feet to avoid respiratory droplets produced by talk, sneeze or coughs, with usually occurs in larger respiratory droplets (>5 µm) with a reduced life time in air and perform small distances. The study of Setti et al. indicates that distance is safe only if everybody wears face masks due to the virus can be in aerosolized droplets for 10 meters and remain viable up to 3 hours, when Virus-laden small (<5 µm - more than 3.3 feet) and can be carried by an air conditioned system[4] or in areas with high contamination as hospitals, the virus was found widely distributed in the air and on object surfaces in an area up to 13 feet. These situations corroborate to an airborne transmission of SARS-CoV-2 with some researches appointing to other variabilities as the contamination of other surfaces as remote controls, computer mouse, cardboard, exercise equipment, even including the floor of Hospitals.

Biography:

Dennis Minoru Fujita is a research in Travel Medicine and works in Institute of Tropical Medicine of São Paulo - USP, Protozoology Lab/LIM-49, University Santo Amaro and Federal Institute of Education, Science and



Technology of São Paulo. He holds a BA in Tourism Management, a Master of Philosophy degree in Tourism Management and a PhD in Infectious Diseases and International Health at the Institute of Tropical Medicine of São Paulo. Dennis has 20 years' experience as professor in public and private institutions in courses of Tourism Management and Public Health, and as researcher in epidemiologic field developed some studies in Travel Medicine published in prestigious journals.

Publication of speakers:

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2. Wu JT, Leung K, Leung GM. Nowcasting and forecasting the potential domestic and international spread of the 2019-nCoV outbreak originating in Wuhan, China: a modelling study. *Lancet* 2020;395:689-97. [https://doi.org/10.1016/S0140-6736\(20\)30260-9](https://doi.org/10.1016/S0140-6736(20)30260-9).
3. Setti L, Passarini F, Gennaro G De, Barbieri P, Perrone MG, Borelli M, et al. Airborne Transmission Route of COVID-19: Why 2 Meters/6 Feet of Inter-Personal Distance Could Not Be Enough. *Int J Environ Res Public Health* 2020;17:2932. <https://doi.org/10.3390/ijerph17082932>.

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Citation: Dennis Fujita, Webinar on Health and Medical Tourism; Medical Tourism 2020; July 28, 2020; Dubai, UAE