Toilet in Transportation Vehicles: A Topic for Consideration on Travel Sanitation in Travel Medicine

Viroj Wiwanitkit1,2,3,4

1Hainan Medical University, Hainan Sheng, China
2Dr DY Patil University, Pune, India
3Joseph Ayobabalola University, Nigeria
4Faculty of Medicine, University of Nis, Serbia

Corresponding Author: Viroj Wiwanitkit, MD, Honorary Professor, Hainan Medical University, China. Email: wviroj@yahoo.com

Dear Editor,

Toileting is a basic human activity. Human beings have to urinate and defecate as a regular daily activity to maintain a normal physiological life. During travel, urination and defecation are required, and this is usually a forgotten issue in medicine. In travel medicine, long travel and the lack of a good toilet for toileting activities are considered problematic. For example, waiting for long periods of time without the chance to go to the toilet while passing through the immigration process might be a problem for the elderly traveler. During long travel, the toilet in the vehicle is also an important issue. Toilets are seen in several types of vehicles, such as the bus and the airplane. They are considered as public toilets, and concerns about them usually concern sanitation. Disease transmission can occur due to a dirty toilet in a travel vehicle. Toilets in airplanes require a special design for the prevention of spillage. Microbial contamination occurs in airplane toilets and might be a source of infectious disease transmission. On a train, the toilet sanitation must be controlled. The design of a train toilet is also important. It must be a good design with a coat or luggage hook which is suggested to be located about 1.8 meter above the floor. Contamination due to droplets from train toilets is possible and can be detected at high levels at the end of a train. Preventing contamination becomes an interesting issue. Similar problems are also observed in a bus toilet. Intestinal parasitic contamination is detectable in buses with toilets. Finally, a similar problem has also been reported for toilets on cruise ships. To provide good toilet facilities is mentioned as a way to prevent the problem of food-borne infectious diseases relating to cruise trips. Regular cleaning of the toilets is needed. In a recent study, only one-third of cruise ship toilets received proper daily cleanings.

The issue of toilets in transportation vehicles is an important but forgotten issue. Usually, no one specific person is assigned to deal with this public health issue. The role of the travel medicine specialist as regards the sanitation control of toilets in transportation vehicles should be promoted.

Conflict of Interest Disclosures
The author declares that he has no conflicts of interest.

Ethical Approval
Not applicable.

Funding/Support
None.

References

