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Inevitability of influenza pandemic

Chi Zhang

Shantou University Medical College, China

An influenza pandemic is a threat to mankind due to high morbidity and mortality. Here we discuss influenza pandemics in history and their inevitability in two main respects: the viral factors-- evolutive complexity of the influenza virus ecosystem and the human factors-- limitation of prevention and control. The high rates of mutation, recombination and reassortment, mountainous hosts and broad distribution make the virus difficult to be eradicated and provide the possibility of pandemic with potential strains. The limitation of vaccine, medicine and methods of synthesized viral control and prevention provides room for the survival and development of potential strains. Therefore, we assert a hypothesis that despite all the measures to prevent a future influenza pandemic, it is inevitable.

Biography

Chi Zhang has completed her bachelor degree from Henan University of Science and Technology. And now she is studying master degree in virology in Shantou University Medical College. She has published two papers in reputed journals.