Emerging Infectious Disease and Bioterrorism

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Abstract

The emerging infectious disease is the unwanted situation in public health. However, there are several new emerging infectious diseases within the past decade. The consideration on the worldwide outbreak of the new emerging infectious disease is set. An interesting point is the trend of bioterrorism using the new emerging infectious pathogen. This topic will be further discussed in this editorial.

Keywords: Emerging; Infection; Bioterrorism

Introduction

The emerging infectious disease is the unwanted situation in public health. However, there are several new emerging infectious diseases within the past decade. The good examples are the set of new zoonotic atypical influenza infection and the Middle East Respiratory Syndrome. The consideration on the worldwide outbreak of the new emerging infectious disease is set. An interesting point is the trend of bioterrorism using the new emerging infectious pathogen. In response to possible terrorism, the set of good surveillance system is needed. The coverage on “countermeasure against bioterrorism attacks and other emergencies” is needed [1]. This topic will be further discussed in this editorial.

Is it Possible that the New Emerging Infectious Pathogen becomes the Bioterrorism Agent?

“Is it possible that the new emerging infectious pathogen becomes the bioterrorism agent?” is an interest question. In fact, as a new disease, the limited knowledge can be expected; treatment and diagnosis might not easy. According to CDC report, “a new focus on emerging infectious diseases and bioterrorism” is mentioned [2]. Ashford et al. noted that “bioterrorism preparedness should emphasize education and support of this frontline as well as methods to shorten the time between outbreak and reporting [3].” The well-know “BioWatch” is the good project to correspond to bioterrorism and emerging infection [4].

How to Fight and Manage the Bioterrorism using New Emerging Infection

As note, it is no doubt that the terrorist scientist team might use the new emerging infectious pathogen as a tool for performing bioterrorism. The first thing is to investigate any new emerging infection to answer whether this is natural or intended outbreak [5,6]. Radosavljevic and Belojevic recently reported the use of new scoring system that might be useful for such discrimination [5]. In case that the bioterrorism is approved, the standard infection control must be applied. To set a preventive action, setting of the public free available online database of the new pathogen is the new action to fight with the possible bioterrorism [7]. Setting of the good “public health legislation” to the possible episode is also needed [8].

References