

10th International Conference on
Infectious Diseases, Bacteriology and Antibiotics
May 24-25, 2023 | Webinar

Volume : 11

Management of Infectious disease outbreak related to future CBRN threats and events

Dr. Shivi Uppal

INMAS (Institute of nuclear medicine and applied sciences), Ministry of defence, India

Infectious disease management of future CBRN events aims at taking measures to reduce the outbreak of biological threats. The current approaches against these threats include establishing efficient and coordinated surveillance systems, ensuring rapid coordination of different communications, detecting and identifying various biological threats which can be due to accidental or intentional exposure of various infectious diseases. These approaches are beneficial but several limitations were observed including logistic challenges, delayed research of potential biological threats in the future, inadequate training, lack of global plans in addressing the epidemic and scarcity of specialized equipment. These constraints decrease the success of prevention and management of future biological threats. Emergency management including four components such as prevention, preparedness, response and regeneration and hospital disaster plan during any CBRN event have been developed for risk management. Here we have highlighted application of various strategies at national and international level that have been developed to overcome the limitations observed up till now due to lack of research in these areas. In the conclusion, effective management policies are needed focusing on intelligence, biodefense and investigation against various biological attacks. Risk assessment is required for mitigating future emergence of infectious diseases and their impact at economic and social level and also the psychological impact of these threats on general population are some of the concerns that needs to be addressed in the future.

Biography

Dr. Shivi Uppal has completed her MBBS (Bachelor of medicine and bachelor of surgery) at the age of 24 years from school of medical science and research, greater Noida. She is currently working as researcher at INMAS (Institute of nuclear medicine and applied sciences), Ministry of defence, India. She published 3 international publications and recently self-published her book 'Autoimmune diseases early diagnosis and remission'. She is also part of module writing as author on 'CBRN' at INMAS hospital and working as junior doctor. She recently won the best paper award at national conference on topic 'Current strategies for prevention and treatment of acute radiation syndrome in CBRNe disasters'.

shiviuppal14@gmail.com

Abstract received : March 27, 2023 | Abstract accepted : March 28, 2023 | Abstract published : 29-05-2023