

EVOLUTION OF INFLUENZA VACCINE

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This study has been done about evolution of influenza vaccine which is considered on of the most important vaccines. This study lies behind the fact about the spread of this virus commonly, So, it's important to know about this virus, prevention ways and yearly vaccines.

People in the world are prone to lots of diseases everyday and anyway, to combat this dilemma vaccines (vaccine injections) were developed using the remains of the disease-causing microbes in order to counteract the activities which leads to weak immune system in the body of individuals the immune system is often stimulated to defend the body from external agents such as bacteria and viruses comes in contact with the body immune cells like lymphocytes reacts by creating antibodies from protein molecules that fights against invaders [1]. Vaccine was discovered by Edward Jenner. The purpose of vaccines is to produce immunity to the body. Influenza vaccines or flu shots are vaccines that are made to protect humans from influenza virus infection. The discovery of Influenza vaccine was first done by Jonas Salk and Thomas Francis. The new version of influenza vaccines is developed twice a year since the influenza virus changes rapidly. Hence, fluid containing virus was obtained from the egg. Whereas, for flu shots, influenza viruses for vaccine are rendered inactive while, antigen of the viruses are purified.

The purpose of this review is to elaborate the factors that lead to the evolution of vaccines, to examine the potentials of producing new vaccines and the effect of vaccines on humans. This paper will enlighten people on vaccine evolution and the benefits of Influenza vaccine.

1. Hwang Y. and Wook Chang M. Current Opinion in Biotechnology 62, 116–122 (2020).