

Letter To Editor

HIV false positive results and Flu vaccination

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False positive results are the major problem influencing interpretation of Clinical Laboratory test. They are originated mostly in the other diseases, technical errors and the recent vaccination.

The problem has been presented since 1991 is positive HIV test after influenza Vaccination⁽¹⁾. The False positive has been reported in Cases using Elisa, one of The most common test to screen HIV, and in people vaccinated against influenza.⁽²⁾ In a study carried out in 1992, nearly 1.7% of recently vaccinated subjects had false positive HIV⁽³⁾ while Mackenzie's report was 0.6% to 1.7%.⁽⁴⁾ In another study, the rate of false positive is 0.9% in 10-20 year-old subjects and 3.1% in subjects aged over 60.⁽⁵⁾ In addition, the vaccinated cases suffered from infectious disorders are highly predisposed to false positive HIV.⁽⁵⁾

Considering the above mentioned points, we decided to determine false positive HIV in 196 vaccinated Cases set off for Mecca (2004, Gorgan). After thorough examination of the cases, we injected them Influcac (2005/2006) composing of 45mg heamagglutinine and neuramidase proteins extracted from Viruses of:

1-A/California/7/2004 (H3N2)-Like strain (A/New York/55/2004 NYMC X-157)

2-A/New Caledonia/20/99 (H1N1)-Like strain (A/New Caledonia/20/99 IVR-116)

3-B/Shanghai/361/2002-like strain (B/Jiangsu/10/2003) in 196 healthy influenza vaccinated group. Analysis of HIV anti-body was assessed using Elisa method (DiaPro Kit; Italy).

After seven weeks, HIV anti-body was analyzed using Elisa method (Diapro kit, Italy)

Conclusion: The results show that no one has positive HIV. These finding is not in accord with previous studies. It may be due to the recent use of modified vaccine and More specialized of Elisa method.