

Molecular study of *Varicella Zoster* Virus Infection among individuals in Najaf province/Iraq

**Ziton Abdulridalghewish Al-Khafaji¹, Thikra A. Mahmood²,
Sundus N. Alhuchaimi²**

¹Faculty of Medicine, University of Babylon-Iraq.

²Faculty of Medicine, University of Kufa-Iraq.

Abstract: Varicella-zoster virus (VZV), double strand, re-crudesces to the α -herpesvirus family similarly identified as human herpesvirus 3 (HHV3). Hereditarily, it is constant and is bifurcates into numerous genotypes founded upon the hereditary differences. The genotypes of herpes zoster virus (HZV) are not studied in Iraq.

HZV infection is a serious international illness (55) adult patients with herpes zoster were confirmed for the existence of herpes-zoster virus (HZV) antibodies. All samples were assayed by real-time polymerase chain reaction (RT-PCR) for the existence of (HZV) DNA. The presence of anti-HZV antibody were detected by enzyme linked immunosorbent assay (ELISA) in 4 acute (7%) and 22 recover (40%) zoster sera. VZV DNA was detected by PCR in 23 (41.8 %) acute zoster sera and was shorter detectable in the recover patients.

Key word: Herpes zoster, DNA demodulation, RT-PCR, Sequence.

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