



3rd INTERNATIONAL CONFERENCE ON CARDIOLOGY

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TITLE: Herpes Zoster Virus Reactivation in a 16 Year Old Female Post COVID-19 Vaccine. Case report and Review of the Literature

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ABSTRACT (upto 300 words)

Background: According to WHO, there have been 9205 fatal COVID-19 cases confirmed in Saudi Arabia out of 793,729 cases overall (5). During the development of COVID-19 vaccines, several technologies were used including DNA-based, RNA-based vaccines, non-replicating viral vector vaccines, and inactivated vaccines. **Objective:** We present a case of varicella zoster reactivation post COVID-19 vaccine in a young medically free 16 years old female and review of the literature using the keywords “Herpes Zoster, “varicella zoster,” shingles”, “post COVID-19 vaccine”, “Post COVID-19 cutaneous manifestations”. **Methods:** The search was conducted in Google Scholar, Scopus, PubMed, and Web of Science data bases. **Results:** We encountered 241 published studies in regard to post COVID-19 dermatologic manifestations including post COVID-19 vaccine herpes zoster reactivation in the English literature and one case in German. Our case and 4 other reported cases in the literature are patients aged of 20 years old and below. **Conclusion:** Varicella zoster virus falls under the family of Herpesviridae, it's characterized by its ability to escape host immune system and remain dormant in ganglionic neurons. Reactivation of the infection will result in herpes zoster manifesting as painful vesicles in a dermatomal distribution. Possible link is the suppression of type-one interferons caused by the mRNA-based vaccine such as COVID-19 vaccines. Yet, potential correlation remains to be demonstrated.

BIOGRAPHY (upto 200 words)

Batool Alattas is a dedicated and passionate sixth-year medical student with a burning ambition to become a dermatologist. Born and raised in the Dammam city of Saudi Arabia, her journey into the world of medicine began with a deep fascination for the skin's complexities and its role in human health and beauty.



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