1.04 Herpes Zoster in Mepolizumab Recipients. To Vax or not to Vax?

Tara Byrne, Emma Burke, Hilary Mc Loughlin Portiuncula University Hospital

Background: Herpes zoster is a significant health burden that affects individuals of any age. It is more common among individuals aged ≥50 years, those with immunocompromised status, and those on immunosuppressant drugs. This is likely secondary to the immunosenescence associated with advancing age ². An increased incidence has been reported in asthmatics ¹.Methods:A retrospective review was conducted of eosinophilic asthma patients who have commenced on Mepolizumab 100mg subcutaneously in Portiuncula University Hospital in 2021-2022.Results:22.29% (n=2) of patients who received Mepolizumab developed Herpes Zoster after the 1st or 2nd dose of Mepolizumab. Individuals' ages ranged from 55-71 years and cases were deemed to be mild or moderate. Conclusion:GSK reports a 0%-2% incidence of Herpes Zoster across 10 phase 3 clinical trials. The rationale for the increased risk of Herpes Zoster virus in individuals receiving Mepolizumab is unknown. A population-based case-control study yielded results noting an increased incidence of Herpes Zoster in individuals with asthma ¹. The study recommended that consideration should be given to immunizing adults with asthma aged more than 50 years as a target group. Future Recommendations:Patients aged >50 years with a known history of Asthma receiving mepolizumab are at an increased risk of Herpes Zoster. Vaccination should be considered.

References.

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- 2 Sheth, P., 2018. Epidemiology, treatment, and prevention of herpes zoster: A comprehensive review [WWW Document]. Indian J. Dermatol. Venereol. Leprol. URL https://ijdvl.com/epidemiology-treatment-and-prevention-of-herpes-zoster-a-comprehensive-review/ (accessed 8.2.22). *Conflict of Interest: None to declare*