

Comparison of severity of covid infection in staff before and after vaccination

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Background: The Covid-19 pandemic has caused significant morbidity and mortality throughout the world. The disease burden has led to a lot of physical as well as mental stress to all the health care workers. Hospital staffs have maximum exposure making it extremely crucial to find a solution to reduce the disease burden among the hospital staff. In this study we plan to compare the severity of disease and outcome in Staff who were covid positive in pre vaccination period June to Dec 2020 and post vaccination period Jan to June 2021. This Study is a retrospective study by analysis of OPD patients, indoor records in this time period.

Aim of study:

1. To see the effect of covid vaccination on covid infection among staff working in a tertiary care covid hospital in pre vaccination period June to Dec 2020 and post vaccination period Jan to June 2021.
2. To compare the severity and outcome in staff who acquired covid in pre vaccination period June to Dec 2020 and post vaccination period January to June 2021.

Methodology: A retrospective observational study was carried out with the study subjects being all staff working in a tertiary care hospital who suffered from Covid 19 illness in the pre vaccination period from June to December 2020 and the post vaccination period Jan to June 2021 – a one year period.

Data Collection: Information was collected from Indoor and Outdoor records maintained in the hospital records.

Data Analysis: Age, Sex, Comorbidities, Type of Job, Type of test done, Date of Positive report ,Place of infection, Area of work ,Vaccination Status, Type of vaccine received, Treatment taken, Severity of illness, Oxygen requirement was recorded and analysis was done in both groups, in pre vaccination and post vaccination period.

Speaker Biography

Jayalaskhmi TK is currently working at Apollo Hospitals, Navi Mumbai, as senior consultant, pulmonologist. She has obtained her post-graduate master's degree (MD) in Pulmonary medicine at BYL Nair hospital in 1996 and MBBS at the prestigious KEM hospital in Mumbai in 1993. Subsequently she has served as faculty, Professor and head of department at DY Patil hospital in Navi Mumbai from 2001 to 2016. She has completed her postgraduate European respiratory diplomate in respiratory medicine in 2013. She has trained in interventional pulmonology and thoracoscopy at National University, Singapore under Dr Pyng Lee in 2015. She has been an active part of the National TB and MDR TB program and has been an initiator and promoter for the DOTS and DOTS plus TB programs and the PPIA program with ALERT -India. In 2019 she had completed trialex interventional pulmonology fellowship at Italy and received training in EBUS .Since March 2020 she is actively involved in management of Covid patients.

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