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Implementation of post-partum rubella vaccination protocol at Women's Wellness and Research Centre: An intervention generated audit model

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Introduction: WHO designated Congenital Rubella Syndrome has been the dreaded consequence for congenital rubella infection in early pregnancy. Postpartum Rubella Vaccination is tested and recommended intervention to reduce the risk of congenital rubella infections in subsequent pregnancies in line with the WHO recommendations. However, it is challenge to find prevalence of immunity to rubella in a multicultural and multi-ethnic country like Qatar.

Objectives: The purpose of this audit is to find the prevalence of non-immunity to rubella in post-partum mothers. To evaluate the postpartum vaccination programme and compliance of the postpartum mothers to the two doses of the vaccine.

Material and Methods: The study was conducted in all the post-natal units of WWRC. All patients were screened for Rubella during the postpartum period. Any cases who were non-immune were administered with 1st doses of the vaccination given soon after delivery and were instructed to come for the 2nd dose administered at an interval of 4- 6 weeks postpartum.

Results: Percentage of post-natal patients screened with

Rubella IgG was 100%. Total patients non-immune to the Rubella was 61 in October 2019 and 60 patients in November 2019. Mean Deliveries during this time was 1200 deliveries per month. The incidence of non-immunity to rubella was 0.05%. Mean age group of the patient was 31.4; 74.5% of non-immune mothers were not immunized in childhood. 22% remembered that they had taken vaccine in childhood. Only 36% of the patients presented for the second dose of vaccine.

Conclusions: The incidence of non-immunity to rubella in a multicultural and multi-ethnic population like Qatar is 0.05%. However proper utilization of the post-partum vaccination programme will help to bridge this gap

Speaker Biography

Shyamala Vijayanand Halubai has completed her MBBS graduation from Bangalore Medical College, Bangalore. Later she completed her post-graduation from Mysore Medical College, Mysore, and further Fellowship in Reproductive Medicine at prestigious Manipal Hospital, Bangalore. Currently she is working at Doha, Qatar as a Specialist at Women's Wellness Center for past 8yrs, with special interest in Infertility and Reproductive Medicine.

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