

Title: Surgically corrected heart disease in pregnancy: An experience at tertiary care centre.



Introduction:

- In developing countries, cardiac diseases complicate 2% of pregnancies and contribute to 1/5th of maternal deaths.(1)
- In India, the prevalence of rheumatic heart disease is high accounting for 40-50 % of all cardiac disease during pregnancy.(2)
- The survival rate of individuals with congenital or acquired heart disease has significantly improved due to advances in diagnostic techniques, surgical interventions, and postoperative care.

Aims and objective:

To analyze maternal and fetal outcome & prognosis related to cardiac surgery performed prenatal & during pregnancy.

Materials and methods:

Study design - Retrospective Study

Sample size - 29

Study duration - 1st Jan 2023 to 30th July 2024

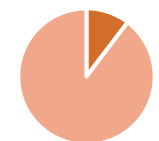
Place of study - Department of Obstetrics and Gynaecology, ABVIMS and Dr RML Hospital

References :

1. Cardiovascular disorders, Williams Obstetrics 26th edition
2. Kumari A, Kumar K, Kumar Sinha A .The Pattern of Valvular Heart Diseases in India During Pregnancy and Its Outcomes. Cureus 2021 Jul ; 13(7): 63-94.

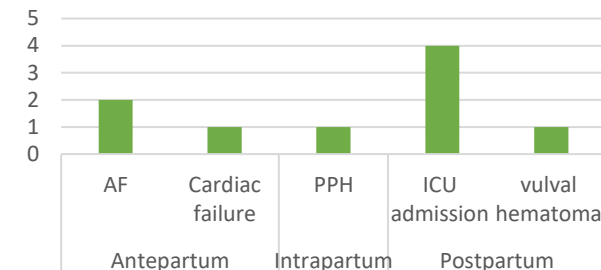
Results:

Cardiac lesion

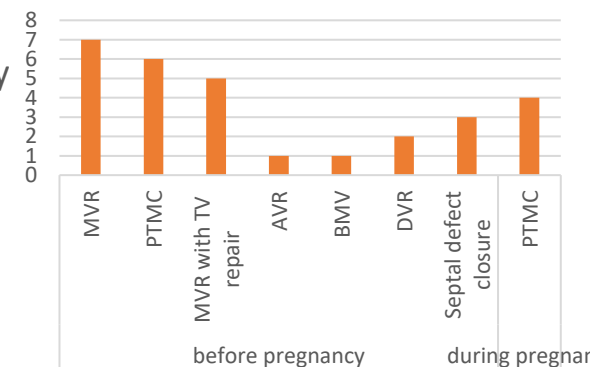


■ CHD ■ RHD

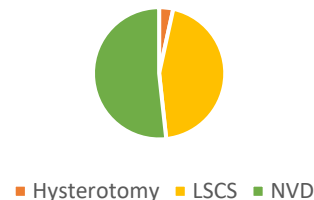
Maternal outcome



Cardiac intervention

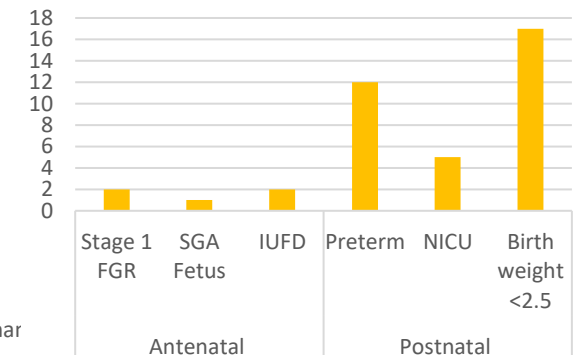


Mode of delivery



■ Hysterotomy ■ LSCS ■ NVD

fetal outcomes



Conclusion:

The collaboration of a multidisciplinary team, including cardiologists, maternal-fetal medicine experts, and anesthesiologists, is essential for reducing risks and ensuring the best outcomes for both maternal and fetal health during pregnancy and the postpartum period.