



# Successful pregnancy outcome in a mother with surgically uncorrected Tetralogy Of Fallot



A case report (203)

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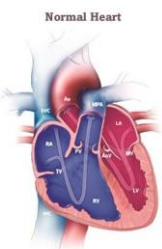
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## Background

- Tetralogy of Fallot (TOF) is the commonest congenital cyanotic heart disease.
- Survival of surgically uncorrected TOF to adulthood is possible, however pregnancy is rarely seen due to the reduced fertility and life expectancy.
- We report a case of successful pregnancy outcome in a woman with uncorrected tetralogy of Fallot.

## Case

- 29 ys old primi with uncorrected TOF presented to ANC at 14/52.
- Exercise tolerance NYHA I
- O/E: Plethoric  
Peripheral cyanosis+  
Clubbing+  
Systolic murmur+  
O2 saturation-93%



- **IX: 2D ECHO** - TOF with hypoplastic MPA with severe Pulmonary Stenosis. EF - 60%.
  - USS** - Asymmetrical FGR.
  - Close follow up with MDT.
  - Vaginal delivery at 38 weeks with second stage assistance was planned.
  - Admitted at 37/52 with exertional dyspnea (NYHA IV).
    - BP-90/70 mmHg
    - O<sub>2</sub> saturation-84%
    - Hb -163 g/L
    - PCV - 47%
  - **MX:**
    - MDT involvement
    - Stabilized in ICU
    - Due to worsening symptoms + FGR
- Caesarean section was performed under graded epidural anesthesia.
- Baby - 2.3 kg.
  - Neonatal ECHO Patent foramen ovale and mild bilateral branch PA stenosis.
  - Post op: managed in ICU.
  - A corrective surgery for TOF was planned later.

## Discussion:

- Pregnancy with uncorrected TOF is associated with increased maternal morbidity and mortality.
- These mothers should be followed up closely with **hematocrit** and the fetuses should be screened for **FGR and congenital heart diseases**.
- **Careful fluid management and blood pressure maintenance** gives a better outcome in labour.

Tetralogy of Fallot (ToF)

