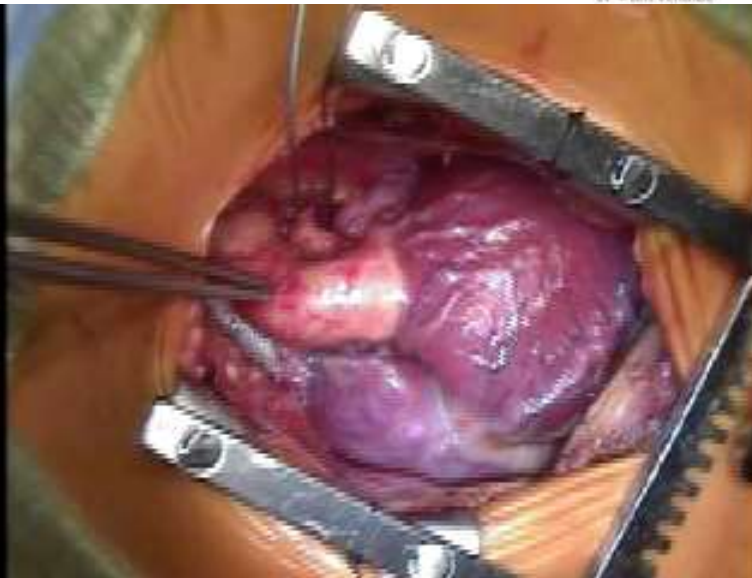
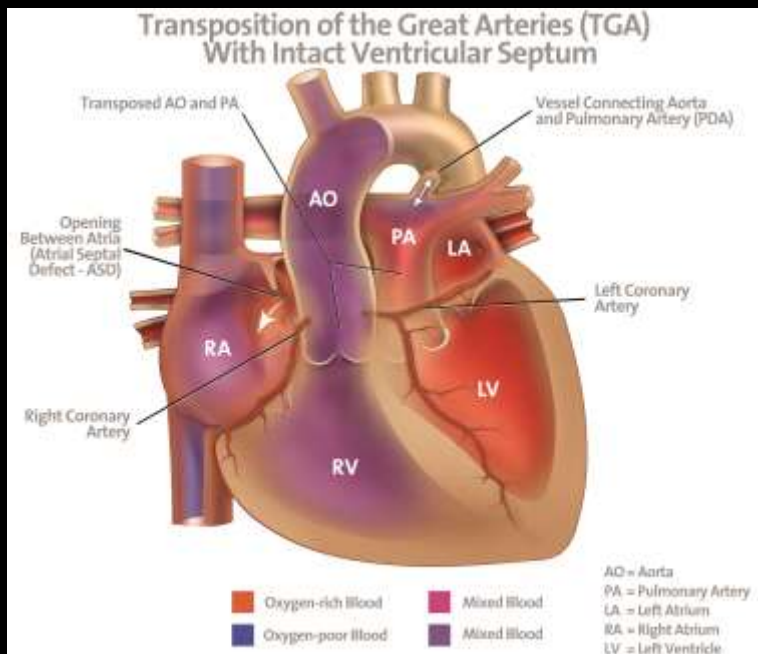


- **1/100 fetuses will have congenital malformation of the heart**
- **Approximately 30-40,000 children with CHD born every year**
- **70-80% of pregnant women in USA have obstetrical imaging**
- **Echo is the only means for detection in what is a low-risk population, often with any other clues!**
- **Identification of heart disease in the fetus is life-saving!**



Example of a case to illustrate the value of Fetal ECHO...



Diagnosis and Treatment of Fetal Cardiac Disease: A Scientific Statement From the American Heart Association

Mary T. Donofrio, Anita J. Moon-Grady, Lisa K. Hornberger, Joshua A. Copel, Mark S. Sklansky, Alfred Abuhamad, Bettina F. Cuneo, James C. Huhta, Richard A. Jonas, Anita Krishnan, Stephanie Lacey, Wesley Lee, Erik C. Michelfelder, Sr, Gwen R. Rempel, Norman H. Silverman, Thomas L. Spray, Janette F. Strasburger, Wayne Tworetzky and Jack Rychik on behalf of the American Heart Association Adults With Congenital Heart Disease Joint Committee of the Council on Cardiovascular Disease in the Young and Council on Clinical Cardiology, Council on Cardiovascular Surgery and Anesthesia, and Council on Cardiovascular and Stroke Nursing

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“Fetuses with D-TGA should be delivered in a hospital that can manage the hypoxia and hemodynamic compromise that can occur...”

What is the value of fetal ECHO?

NO FETALECHO - Postnatal Late Diagnosis:

- Delayed identification
- At risk for severe hypoxemia
- Hemodynamic instability
- End-organ damage
- Long term complications
- Neurological impairment

**LIFELONG COST OF TREATING
SUBOPTIMAL SURVIVOR**
(Cerebral Palsy, etc)

YES FETAL ECHO - Prenatal Diagnosis:

- Planned delivery
- Immediate intervention to optimize oxygenation and hemodynamics
- Prevent end-organ damage
- Improve outcome
- Improved neurological state

**OPTIMAL OUTCOME WITH
EXCELLENT LONG-TERM
SURVIVAL AND QUALITY OF LIFE**

Is there value in fetal ECHO?

