

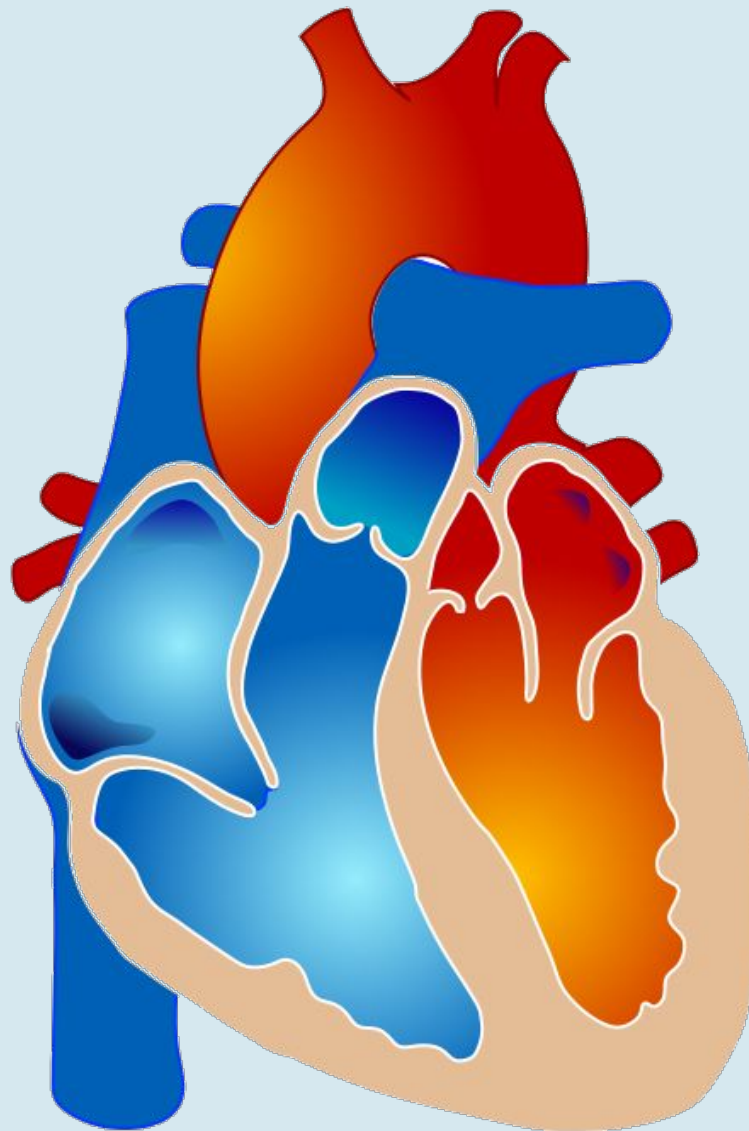
Tetralogy of Fallot

What is it?

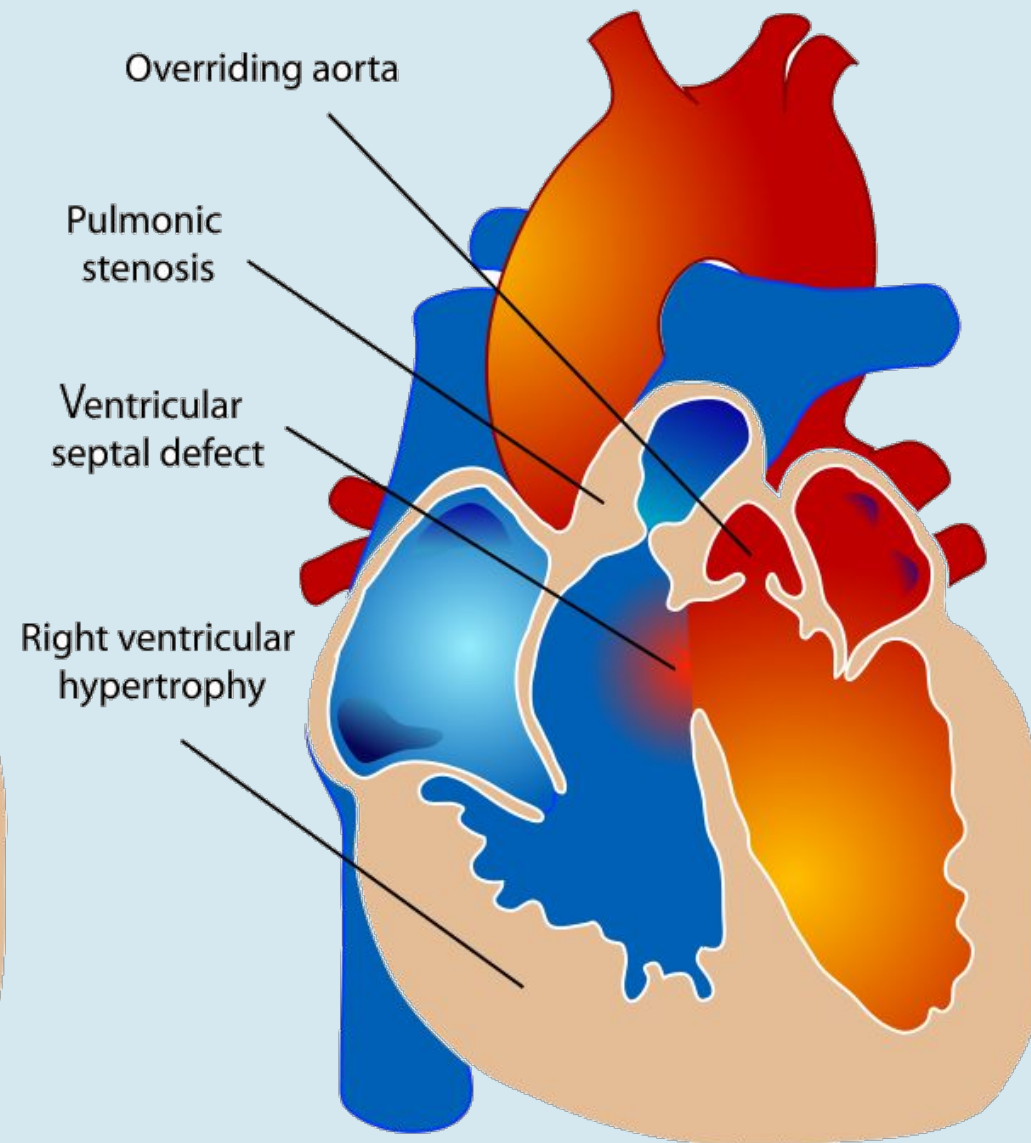
- *one of the most common congenital heart defects that features 4 problems:*

1. a hole between the ventricles
2. an obstruction of the pulmonary valve
3. the aorta is right-sided
4. the right ventricle becomes overly thickened

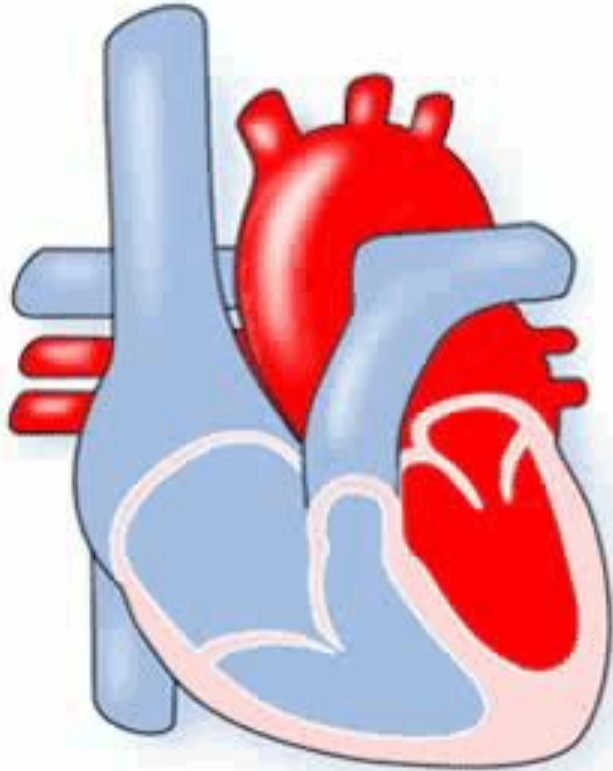
Normal heart



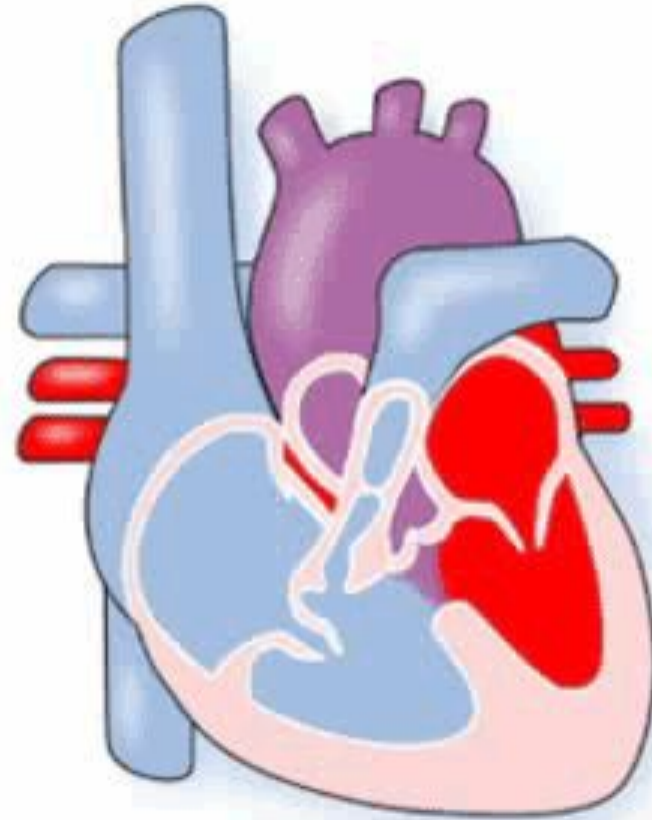
Tetralogy of Fallot



Normal heart



Tetralogy of Fallot



Symptoms

- cyanosis
- abnormal shape of fingers
- shortness of breath and rapid breathing, especially during feeding or exercise
- loss of consciousness
- poor weight gain
- tiring easily during play or exercise
- irritability
- a heart murmur

Cyanosis



Treatment

Tetralogy of Fallot is treated surgically

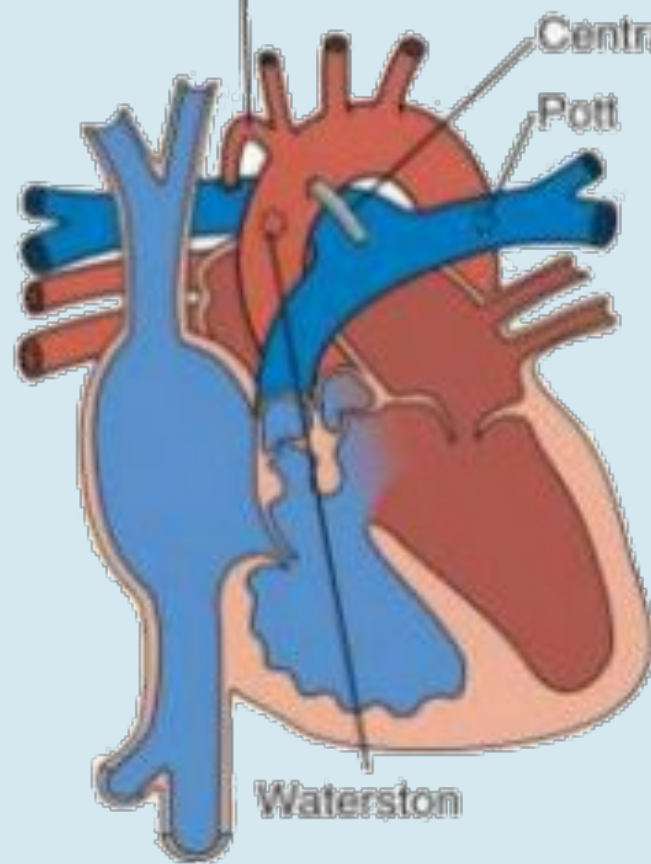
1. temporary operation

may be done if the baby is small or if there are other problems

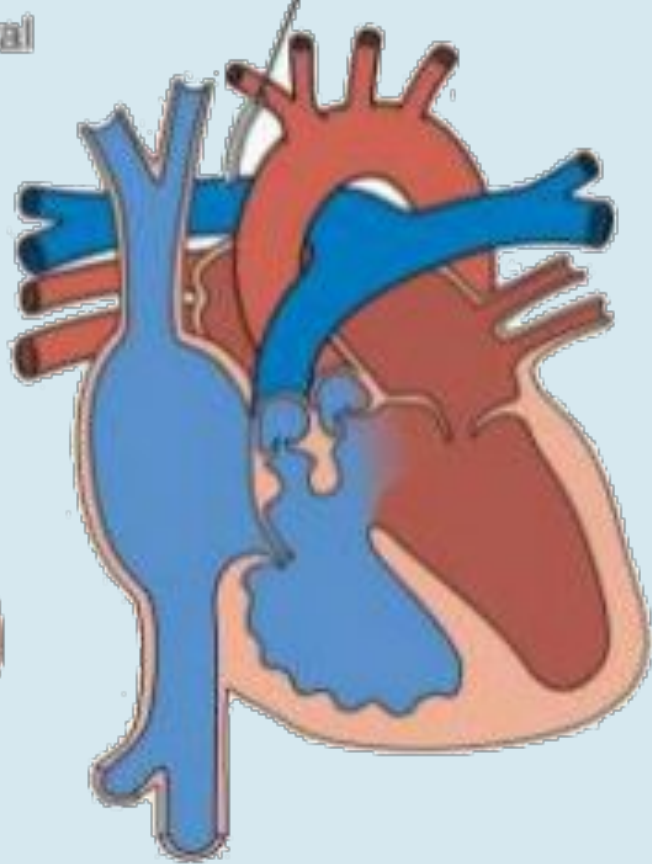
2. complete repair

comes later (sometimes the first operation is a complete repair)

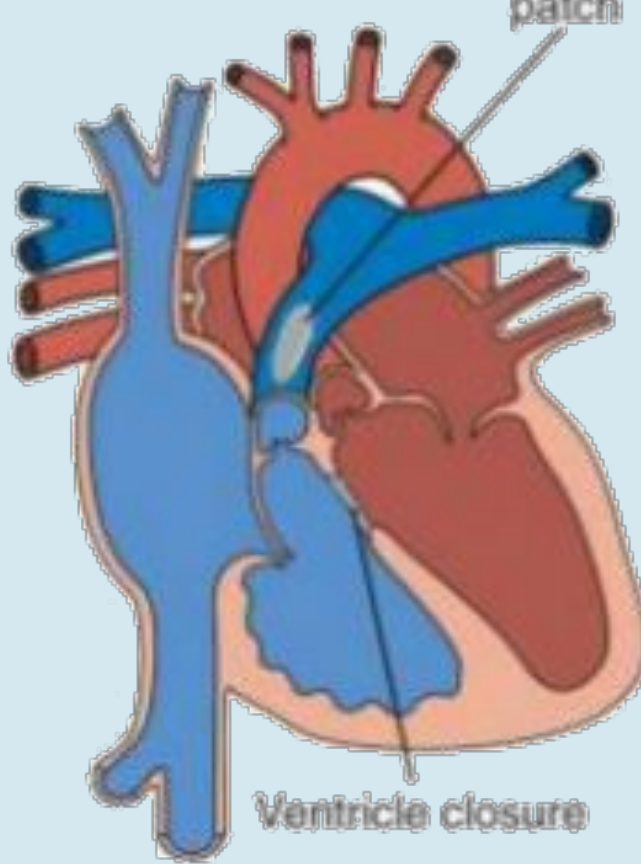
Classic Blalock-Taussig



Modified Blalock-Taussig



Transannular patch



Various shunt procedures

Complete repair

Ventricle closure