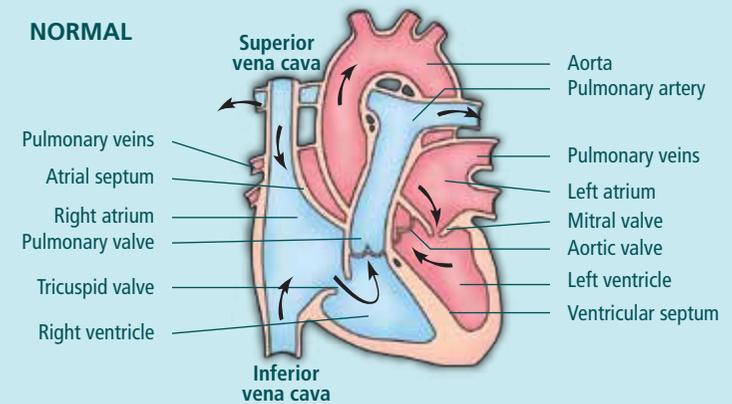


# Tricuspid Atresia

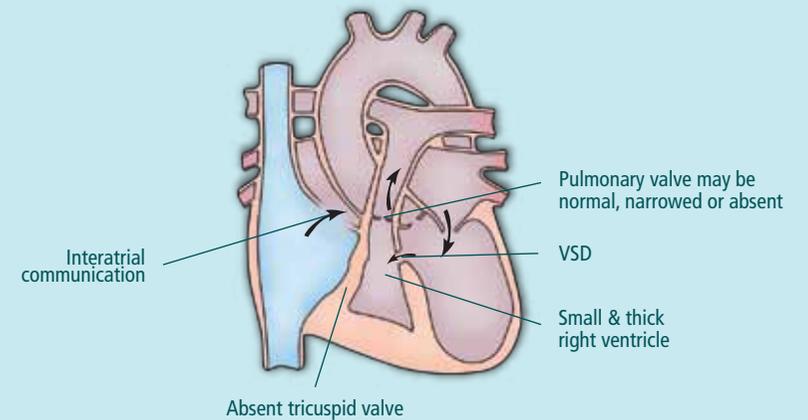
## WHAT IS IT AND HOW DOES IT AFFECT THE HEART?

The tricuspid valve is absent, the right ventricle small and the artery going to the lungs come from the small right ventricle. Blood has to pass from the right atrium to the left atrium via an atrial septal defect, into the left ventricle, aorta and then through the VSD if there is one or via the patent ductus arteriosus.

### NORMAL



### TRICUSPID ATRESIA



## HOW WOULD IT AFFECT MY CHILD?

Depending on the pulmonary blood flow, some children will become increasingly blue and may have trouble feeding and growing. And in some children they will develop worsening heart failure.

## HOW CAN IT BE TREATED?

Your child will require a series of operation. In those that have inadequate blood flow to the lungs, a Blalock-Taussig shunt is done early to establish flow into the lungs which involves surgery via the side of the ribs or by stenting of the ductus arteriosus, which is done in the catheterisation lab.

For those with excessive blood flow into the lung, the pulmonary artery is banded to decrease the pulmonary blood flow.

## WHAT HAPPENS AFTER SURGERY?

After the initial surgery, he or she will require a second surgery to connect the veins from the upper part of the body (SVC) to the right pulmonary artery (Glenn shunt) and the final operation involves connecting the veins from the lower part of the body (IVC) to the pulmonary artery and thus bypassing the right ventricle (Fontan operation).

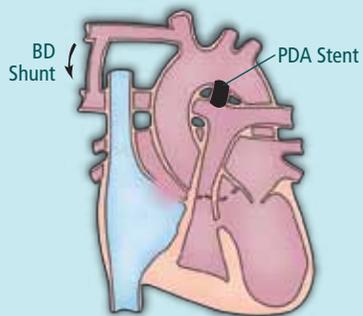
Your child needs long term follow-up to monitor for complications.

## WHAT WILL HAPPEN TO MY CHILD IF UNTREATED?

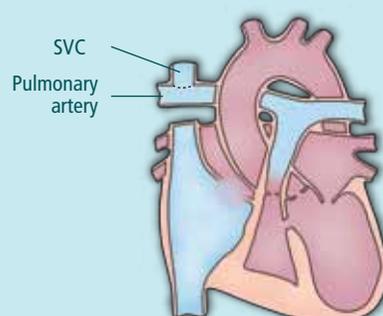
Some children would become more blue as the blood flow to the lungs become less making him / her more symptomatic.

In those patient with unrestricted blood flow to the lungs, the lungs will become damage and your child will develop pulmonary hypertension.

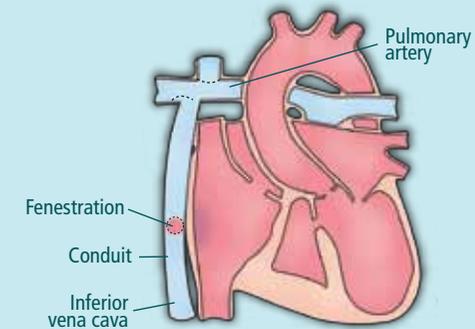
### SHUNT OPERATION



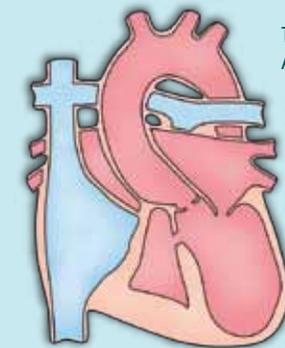
### TRICUSPID ATRESIA AFTER BCPC



## EXTRACARDIAC FONTAN



## LATERAL TUNNEL FONTAN



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- Your child needs long term follow-up.
- He / she will need more operations in the future.



WHAT HAPPENS  
AFTER SURGERY?