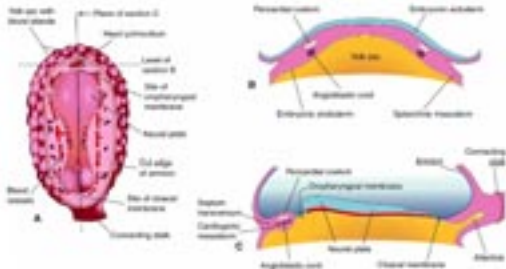


**CARDIOVASCULAR SYSTEM:  
EARLY DEVELOPMENT - I**



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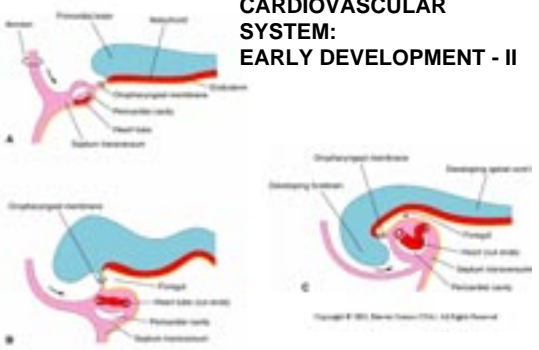
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**CARDIOVASCULAR SYSTEM:  
EARLY DEVELOPMENT - II**



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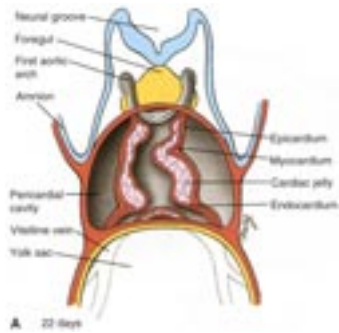
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**HEART AND ITS NEIGHBORHOOD- I**



A 22 days

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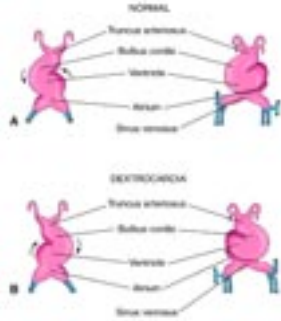
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**NORMAL : Loop to the RIGHT: Levocardia!**  
**ABNORMAL: Loop to the LEFT: Dextrocardia!**




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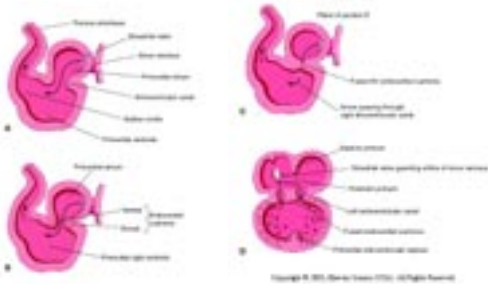
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**FROM TUBE TO FOUR CHAMBERS  
INTERNAL VIEW**




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**FOUR CHAMBERS- ULTRASOUND VIEW  
@ 20 wks**




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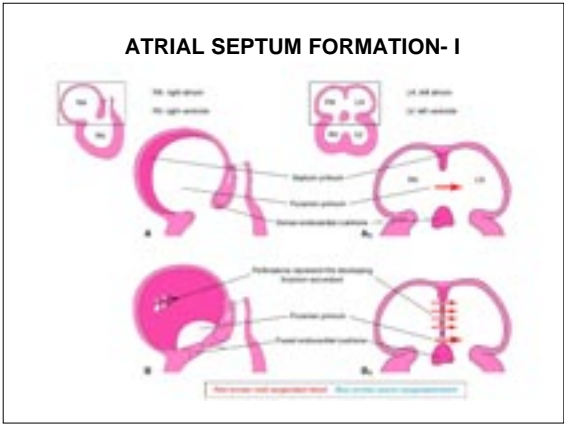
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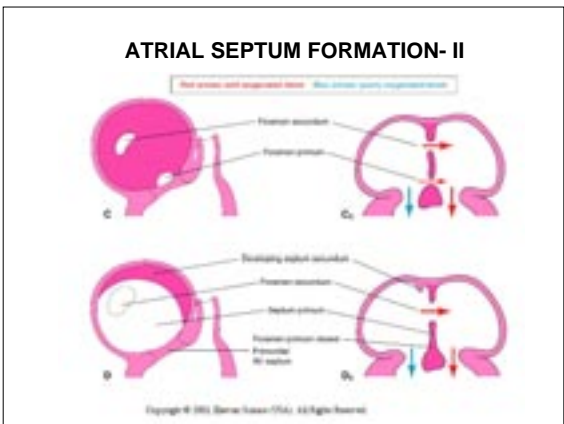
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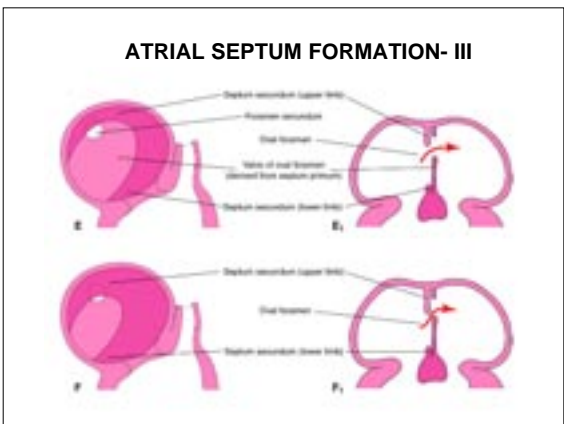
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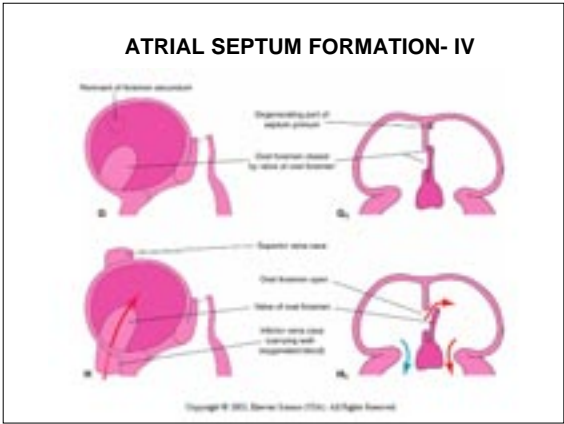
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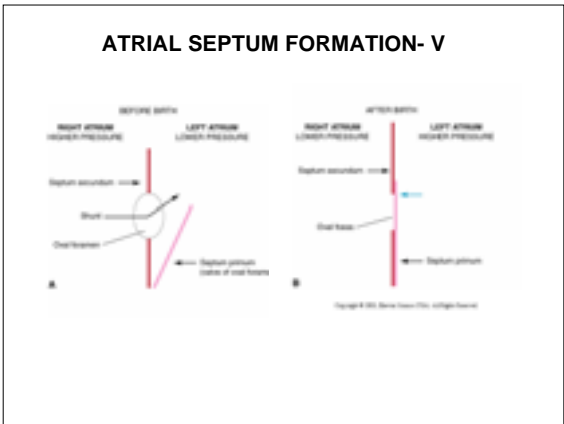
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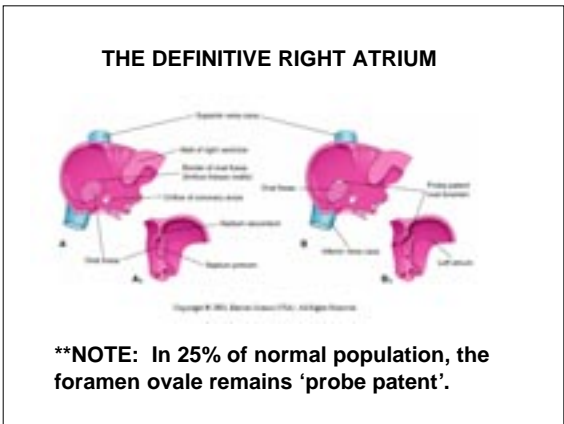
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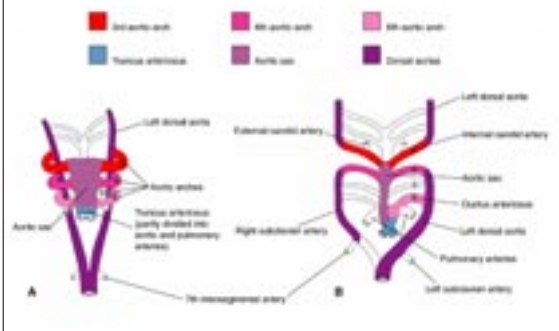
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### AORTIC ARCHES AND DERIVATIVES - I




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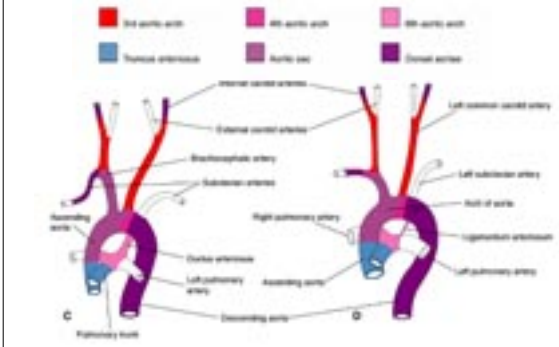
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### AORTIC ARCHES AND DERIVATIVES - II




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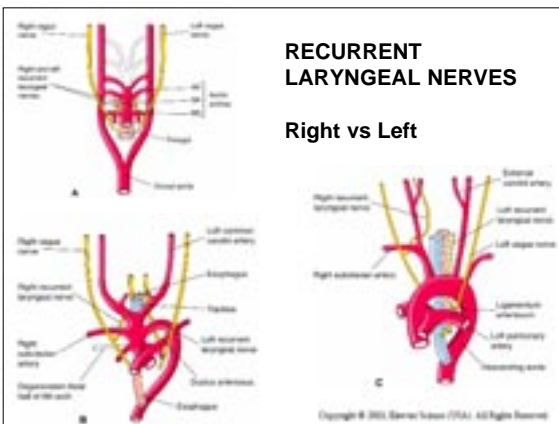
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### RECURRENT LARYNGEAL NERVES

Right vs Left




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### PATENT DUCTUS ARTERIOSUS

**Prostaglandin:** Keeps the duct **P**atent  
**Indomethacin:** Closes the duct.



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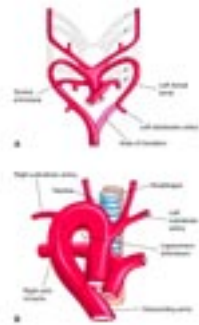
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### RIGHT AORTIC ARCH: Mirror image branching



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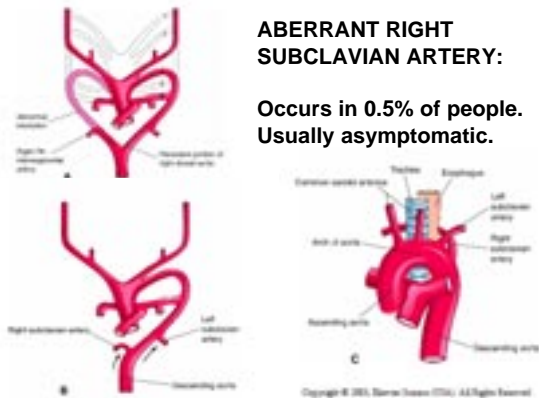
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### ABERRANT RIGHT SUBCLAVIAN ARTERY:

**Occurs in 0.5% of people.**  
**Usually asymptomatic.**



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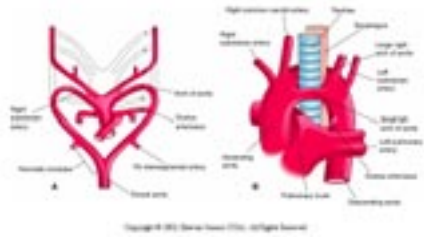
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**DOUBLE AORTIC ARCH: "Vascular ring"**  
 Causes airway obstruction, stridor in infancy.




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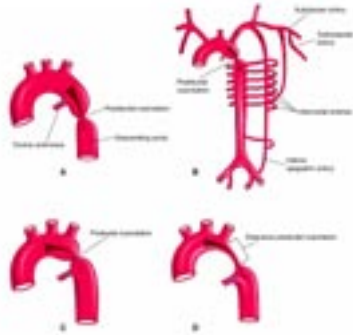
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**COARCTATION OF THE AORTA**




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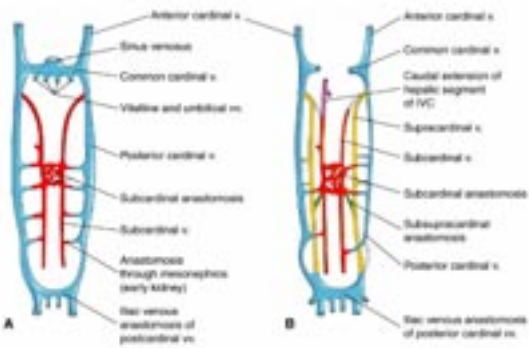
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**THE CARDINAL VEINS AND THE VENAE CAVAE**




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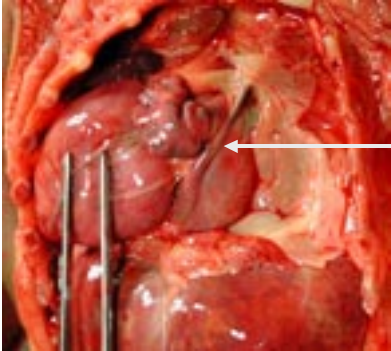
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**Left SVC to coronary sinus**



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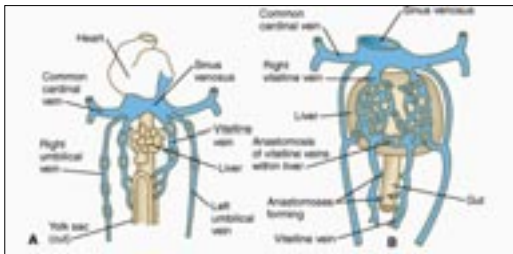
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**UMBILICAL AND VITELLINE VEINS- I:  
Liver, portal vein and ductus venosus.**



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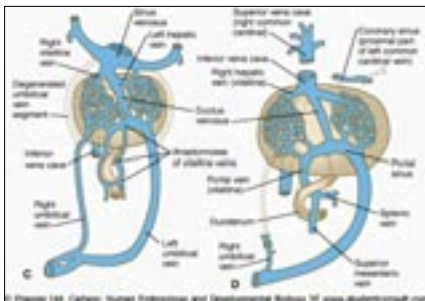
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**UMBILICAL AND VITELLINE VEINS- II:  
Liver, portal vein and ductus venosus.**



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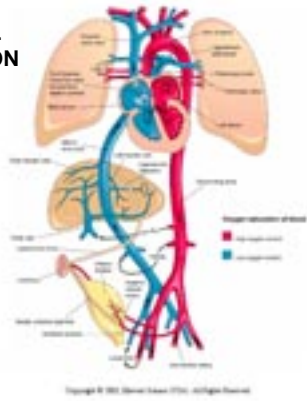
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**POSTNATAL  
CIRCULATION**



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