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CARDIOLOGIST**

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Echocardiography course-level 1

CONGENITAL HEART DISEASES

- Pediatric Congenital Heart Diseases-
- 1, Acyanotic Congenital Heart Disease- are ASD, VSD, PDA, CoA
- 2, Cyanotic Congenital Heart Disease are Truncus Arteriosus, Transposition of great arteries, Tetralogy of Fallot, Tricuspid Atresia, and Total Anomalous Pulmonary Venous return

PREVALENCE OF CONGENITAL HEART DISEASE

- Acyanotic -68%, Cyanotic – 22%
- VSD-25%
- ASD- 25%
- PDA- 6%
- TOF-5%
- PS- 5%
- AS- 5%

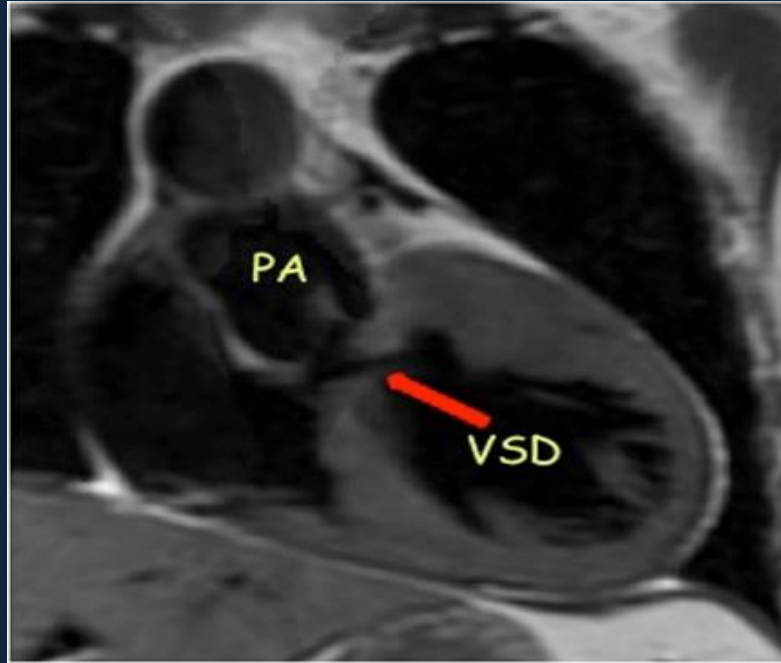
ACYANOTIC HEART DISEASES

- 1, its commonly Left to Right shunt i.e extra volume in the right side of heart- increased Pulmonary flow- increased cardiac work load.
- 2, LVOT and RVOT can cause poor perfusion. Aortic stenosis and Pulmonary stenosis

VENTRICULAR SEPTAL DEFECTS

- Types of VSD
- 1, Supracristal or Sub pulmonic or outlet or infundibular VSD- 3%
- 2, Perimembraneous – 80% VSD
- 3, Muscular type- 20%
- 4, Inlet or AV canal type

SUB PULMONIC VSD OR OUTLET VSD



SUB AORTIC OR PERIMEMBRANEUS

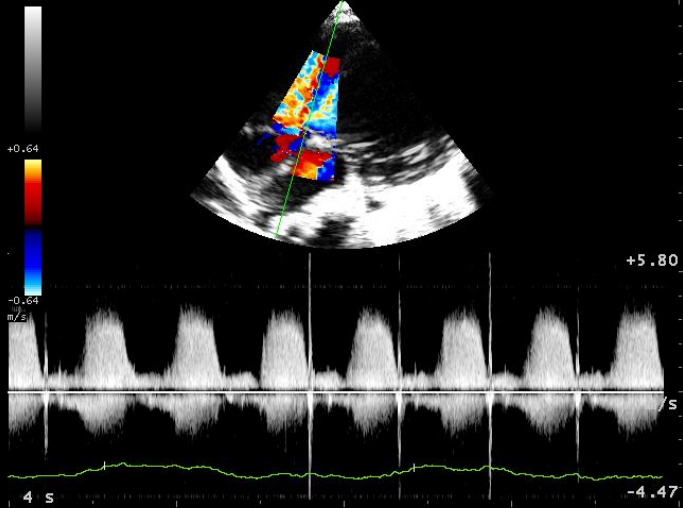
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IPCARD CARDIAC CARE CENTER HYDERABAD

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B	F	P	G	76%	CFM	F	2.5 MHz	G	28%	CW	F	2.5 MHz	G	82%
TEI	D	9	cm	XV	C	PRF	-				PRF	-		
	PRC	2-5-H	PRS	3	WF	H	PRC	3-L-H	PRS	7	PRC	6-5		
	PST	4					PST	2			PST	2		
							WF	H			WF	900 Hz		

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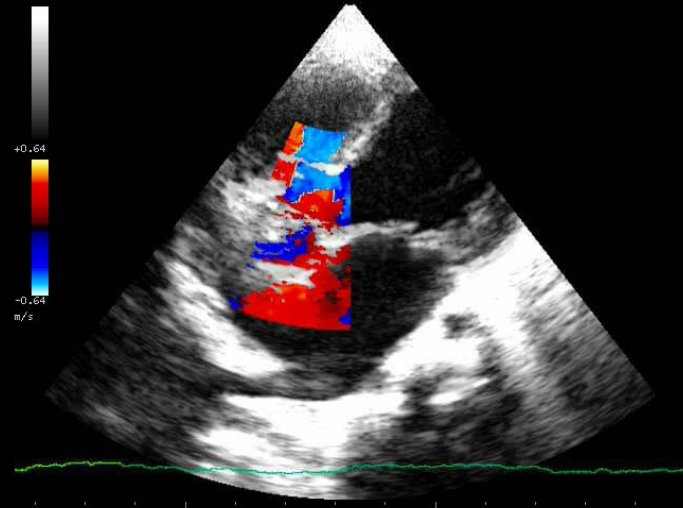
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IPCARD CARDIAC CARE CENTER HYDERABAD

MASTER MANI, ID: 00599, A# 10 DEC 2008 16:51

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TEI	D	10	cm	XV	C	PRF	4.2kHz			
	PRC	4-5-H	PRS	3	WF	M	PRC	3-L-H	PRS	6
	PST	4					PST	4		

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MUSCULAR TYPE VSD

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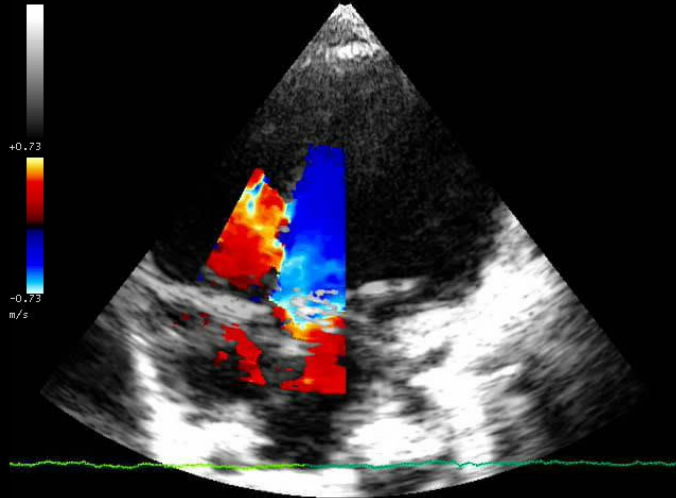
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	PST	4							

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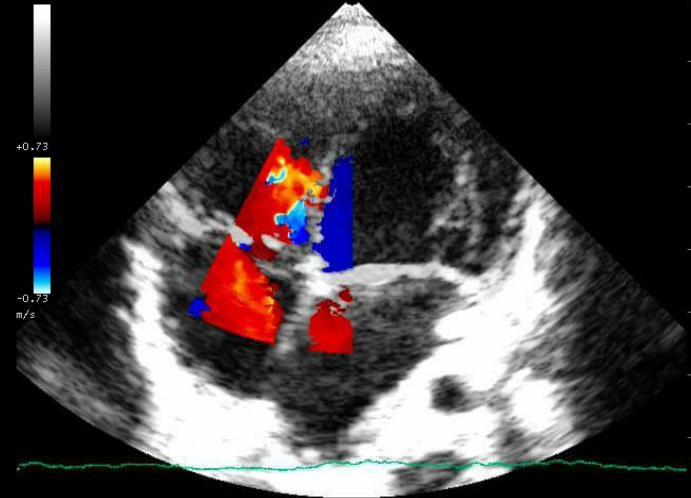
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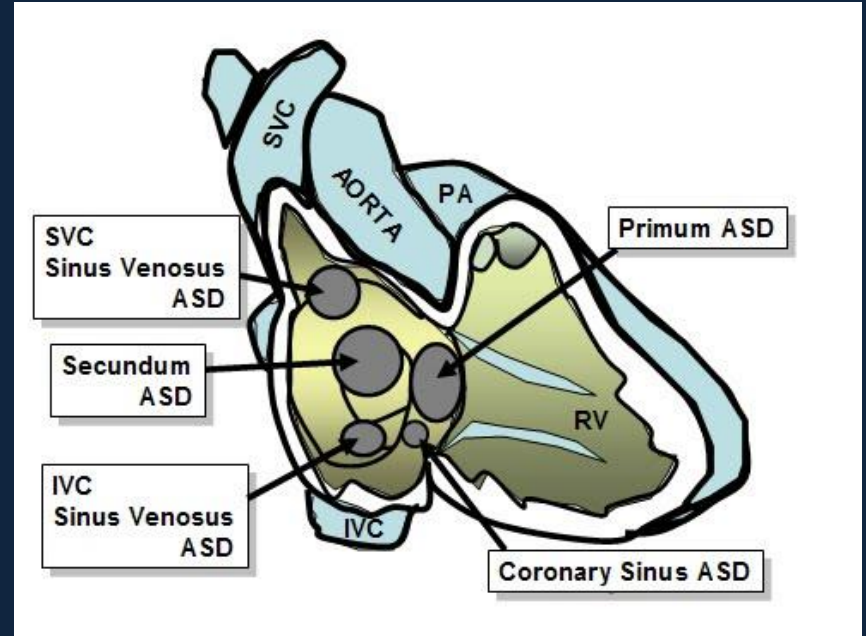
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ATRIAL SEPTAL DEFECTS

- 1, Sinus Venous defect
- 2, ostium Secundum defect
- 3, Ostium Primum defect
- 4, Patent Foramen Ovale



ASD- OSTIUM SECUNDUM DEFECT

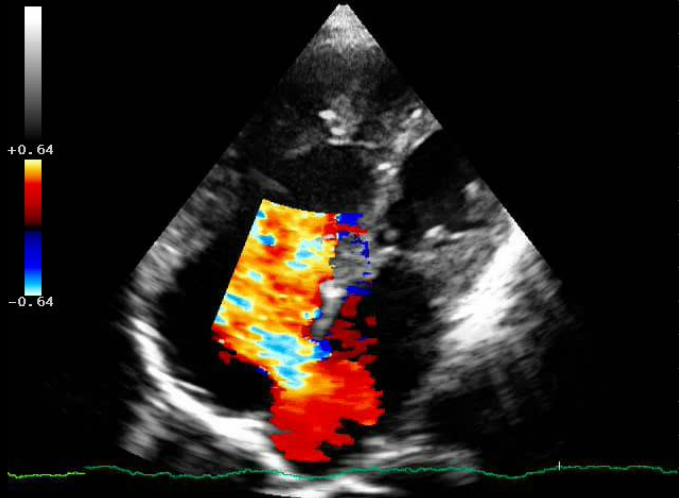
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	PST	4								

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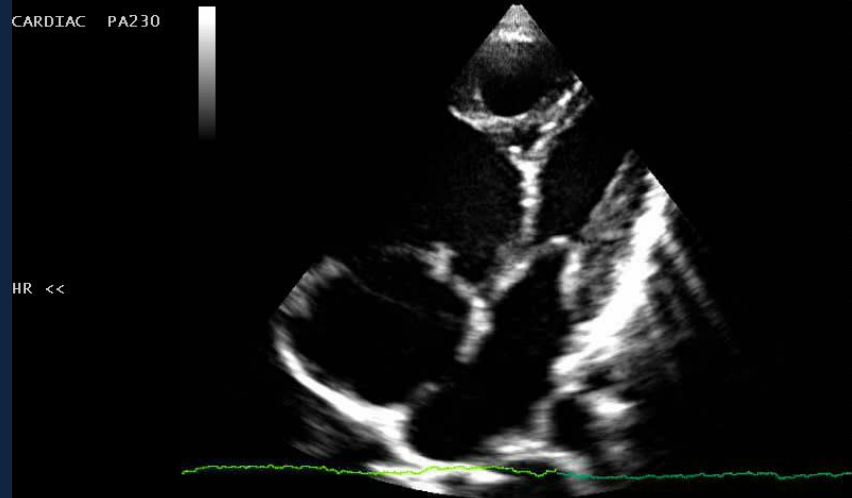
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	PST	4								

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ASD PRIMUM DEFECT

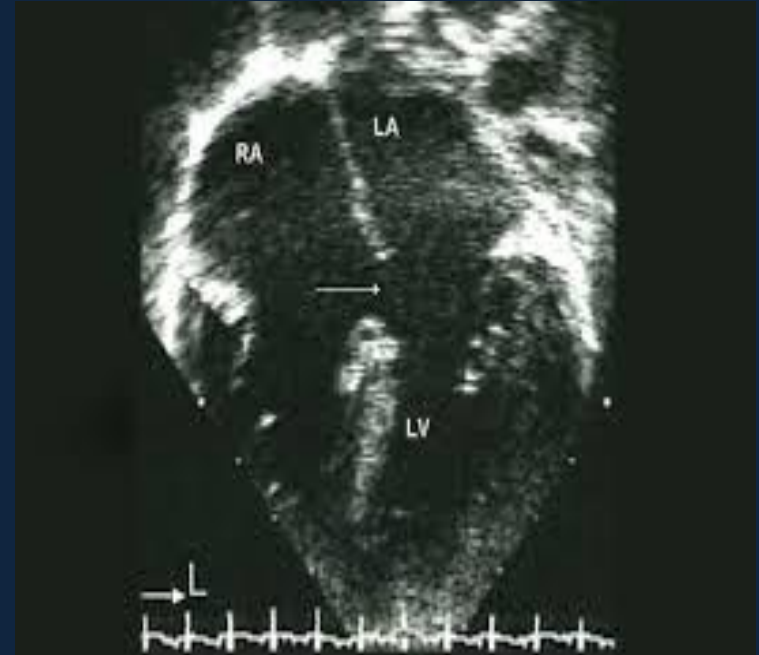
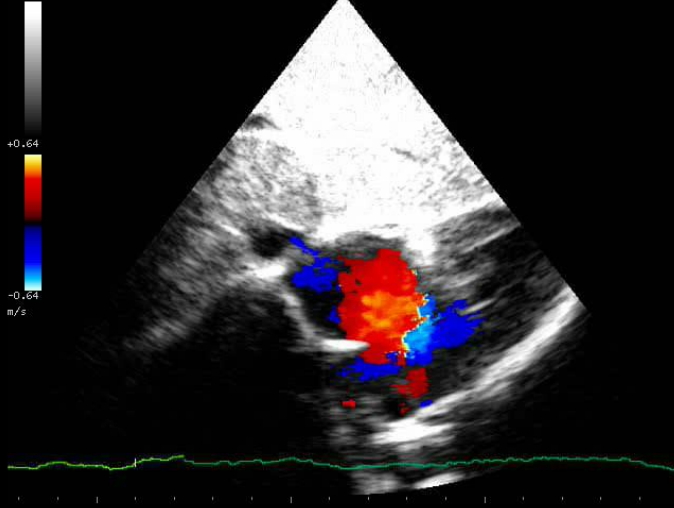
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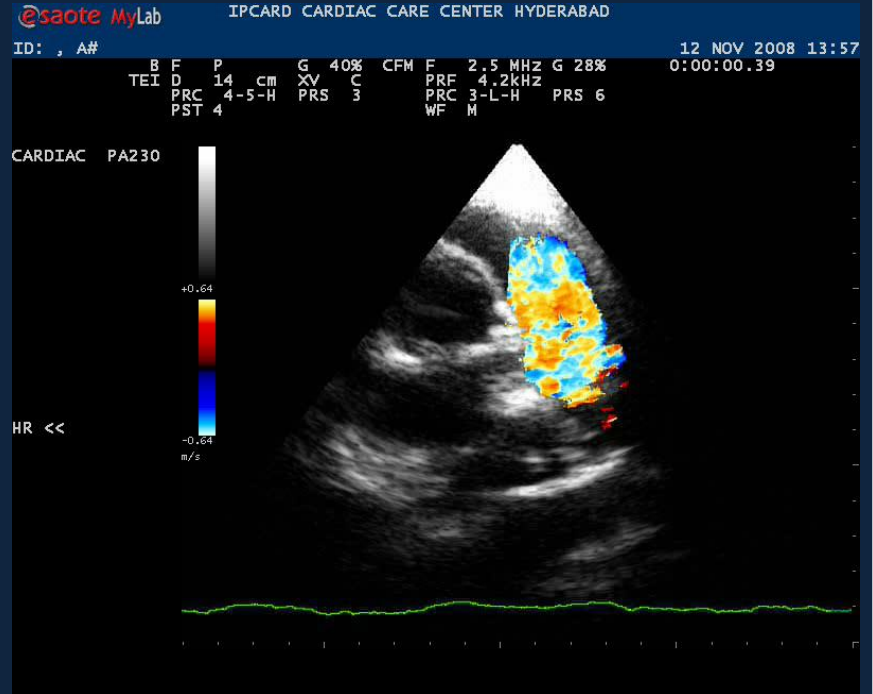
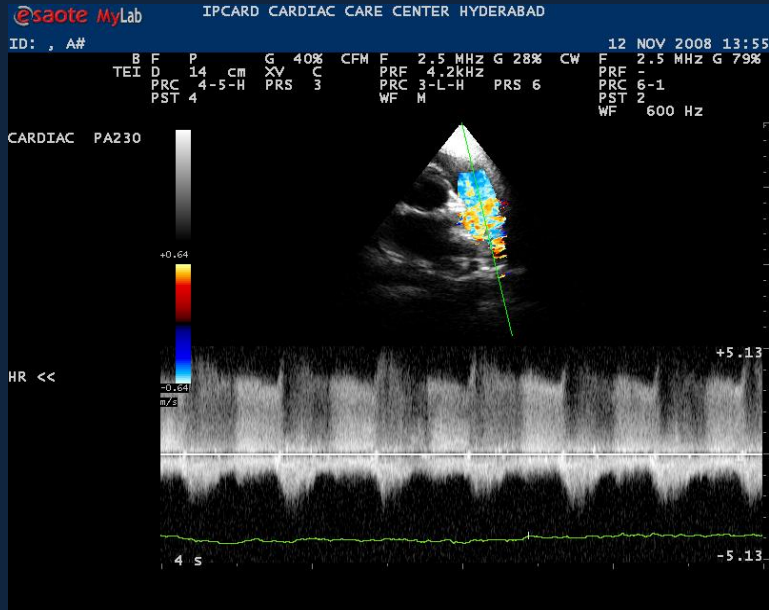
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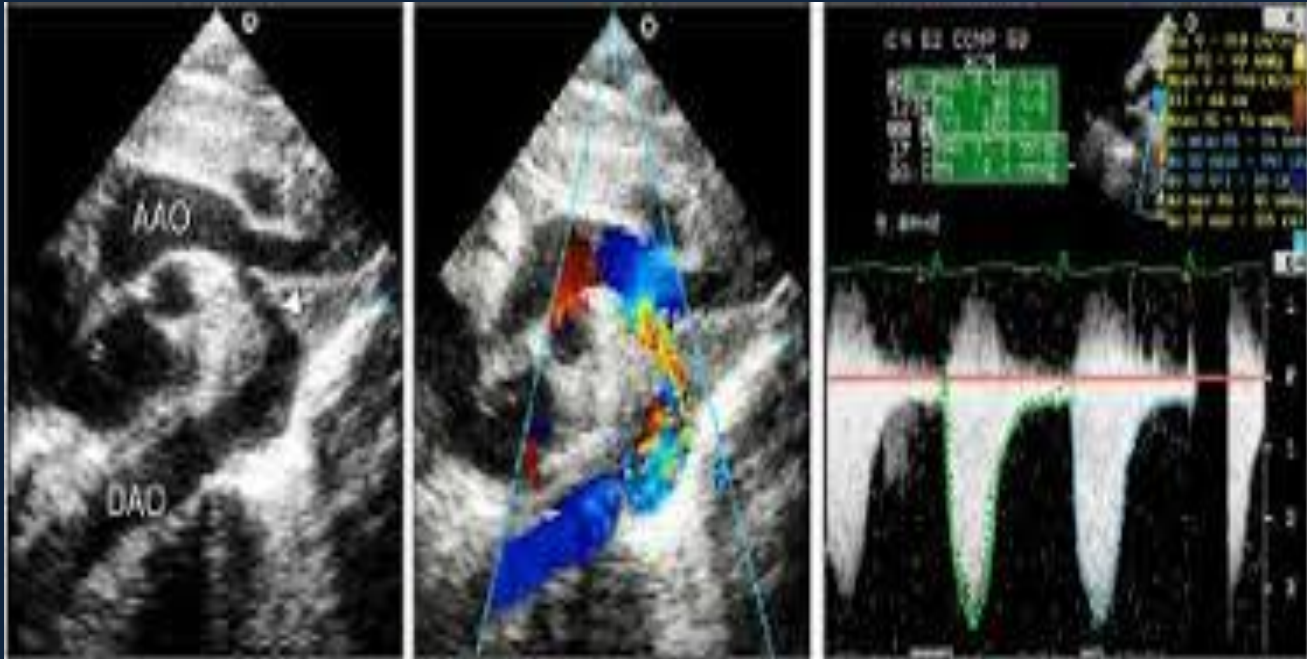
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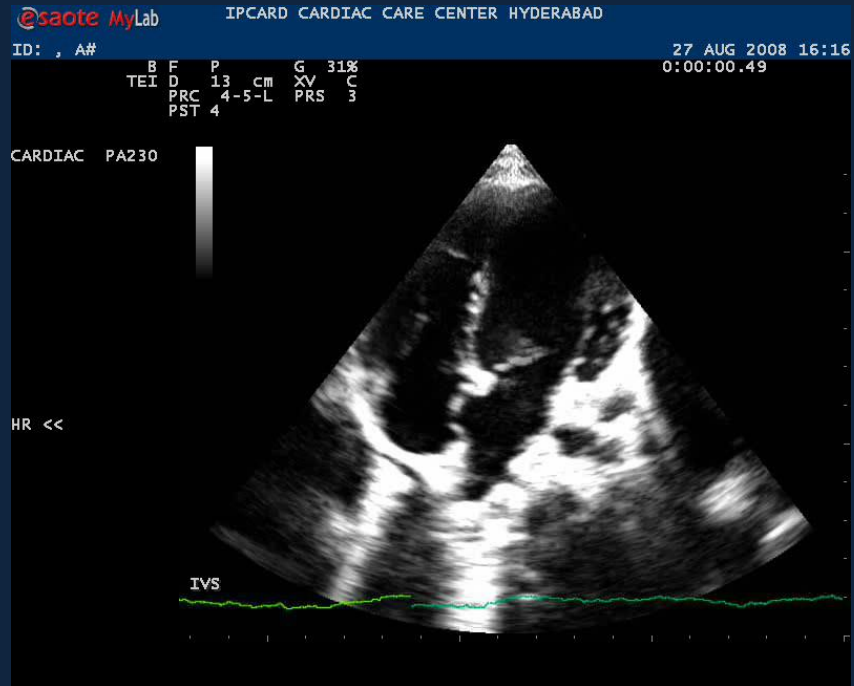
PATENT DUCTUS ARTERIOSUS



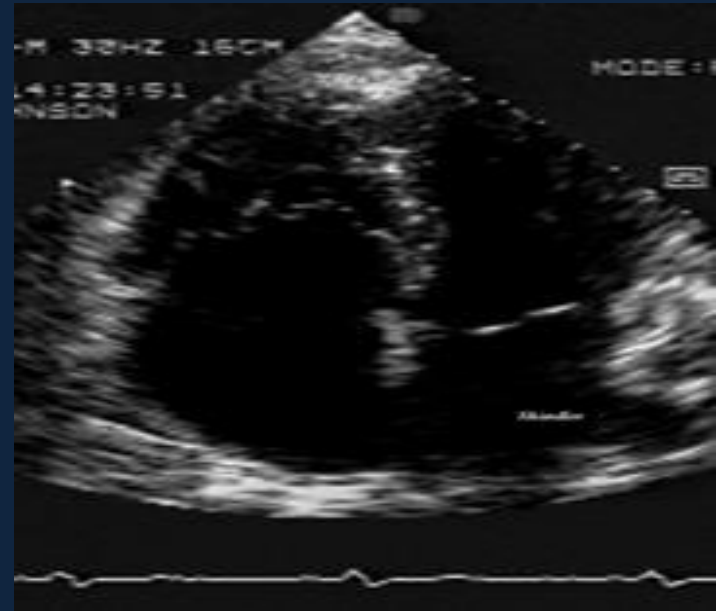
COARCTATION OF AORTA



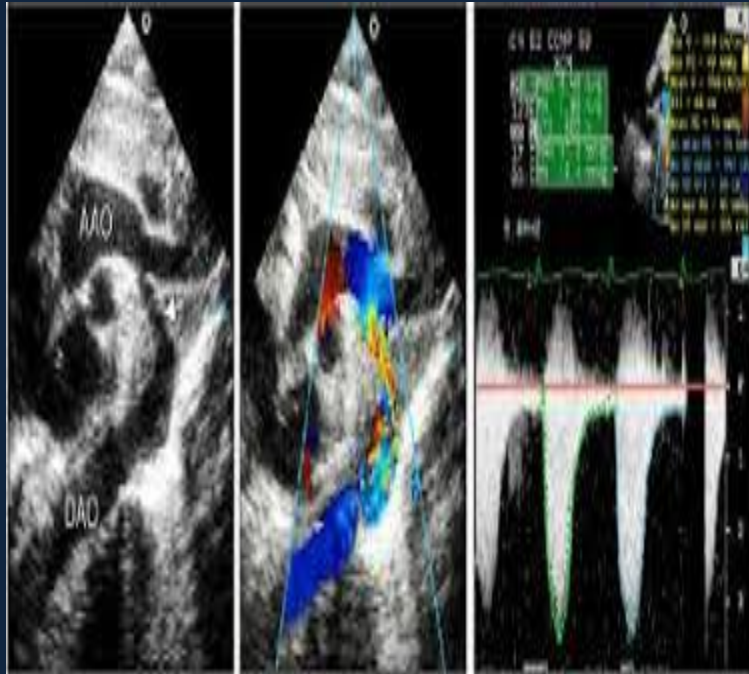
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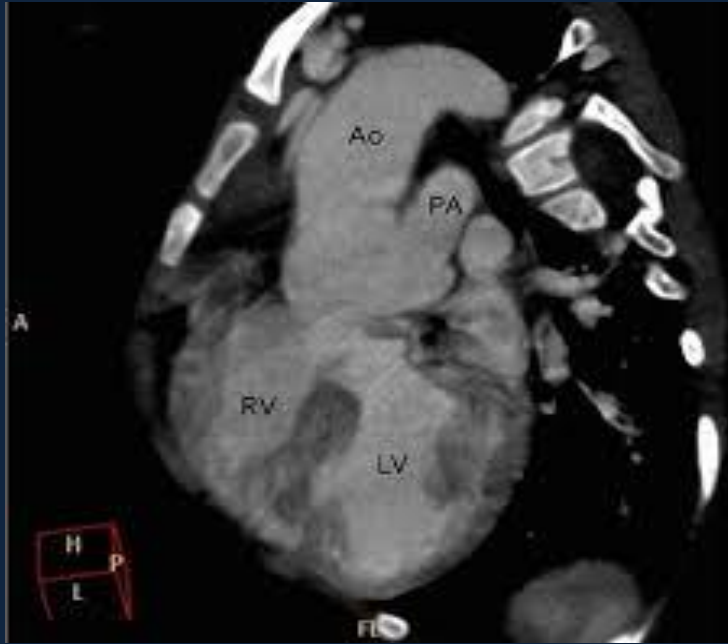
EPSTEIN ANOMALY



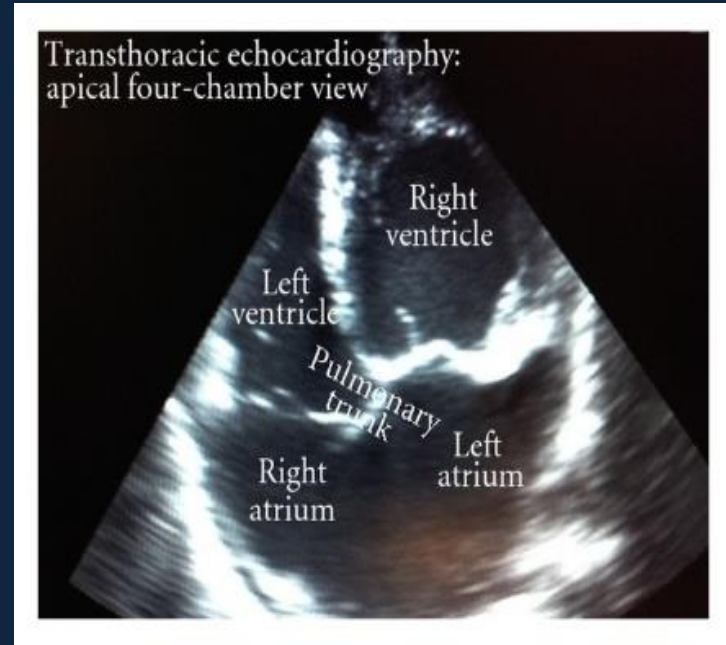
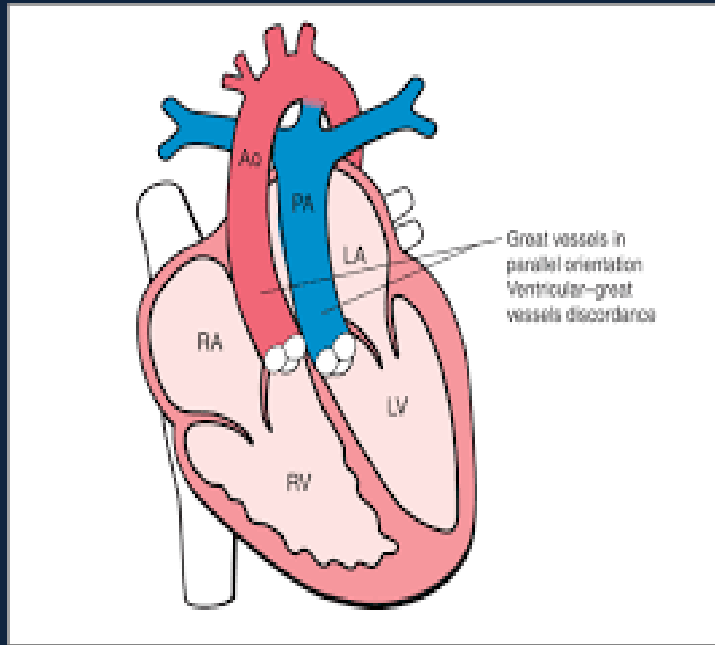
COARCTATION OF AORTA



CCHD- TRUNCUS ARTERIOSUS



TRANSPOSITION OF GREAT ARTERIES



TRANSPOSITION OF GREAT ARTERIES

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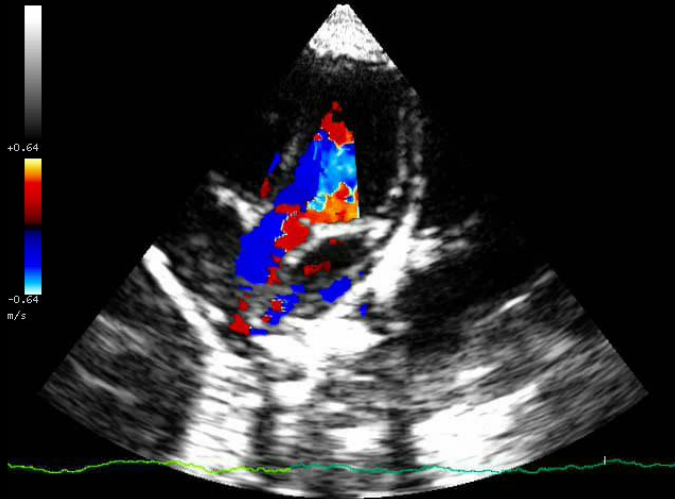
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	PRC	2-5-H	PRS	3	WF	H	3-L-H	PRS	7
	PST	4							

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+0.64
-0.64
m/s



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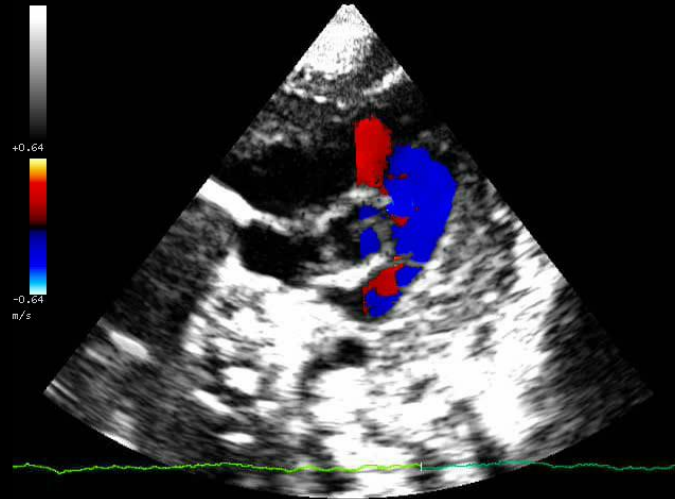
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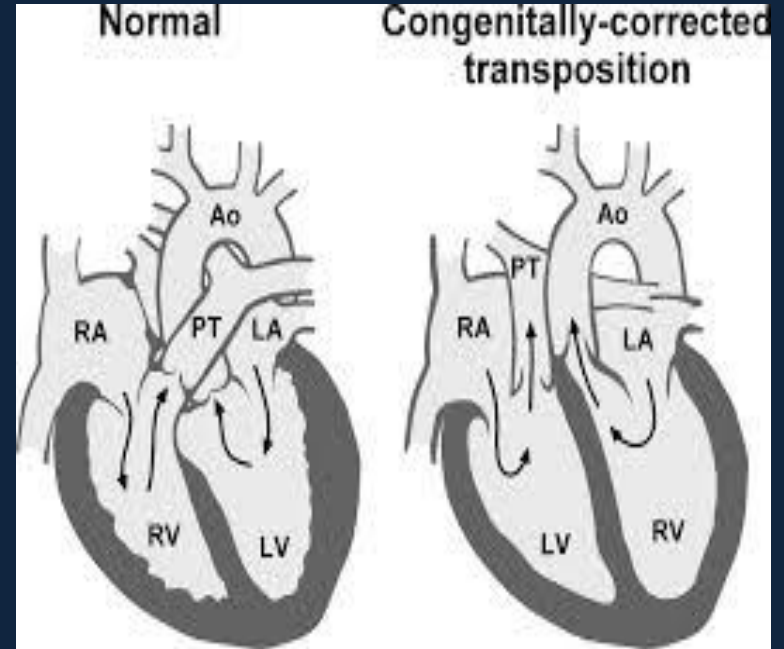
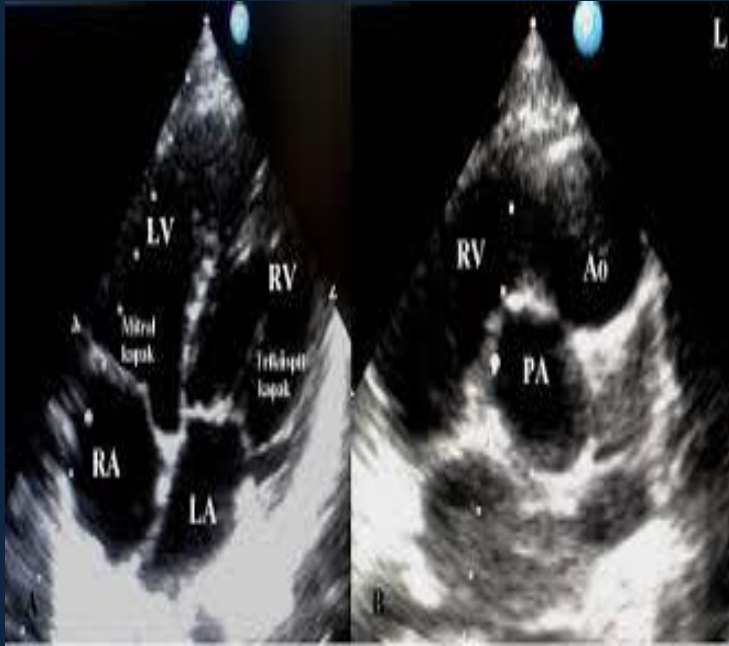
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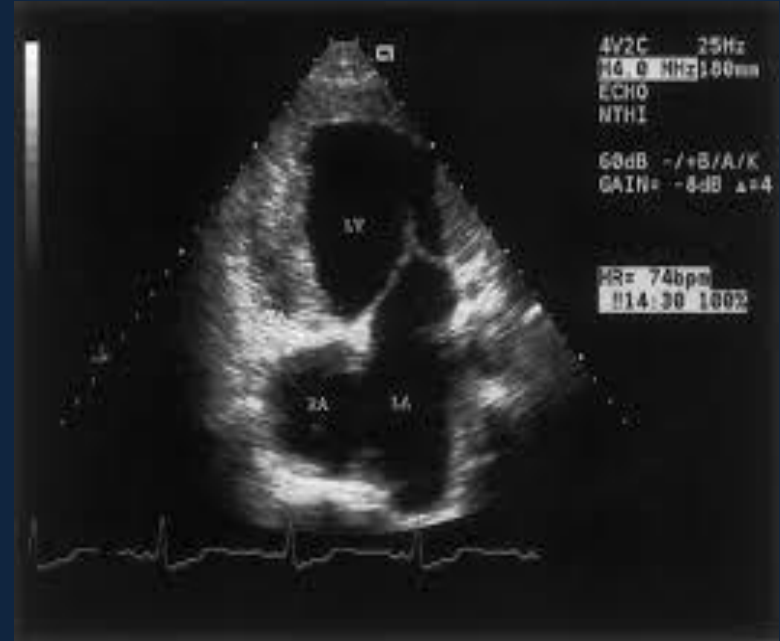
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-0.64
m/s



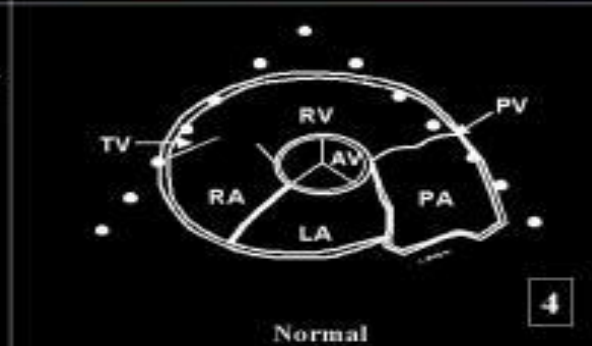
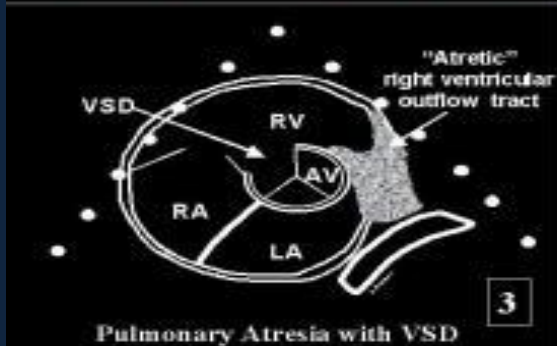
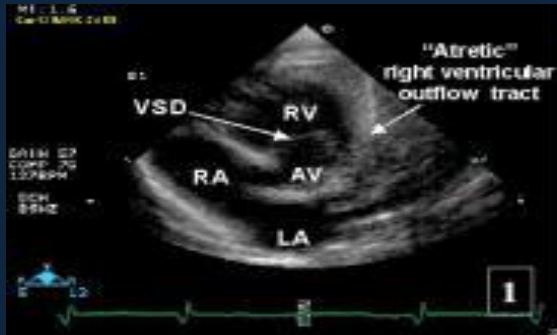
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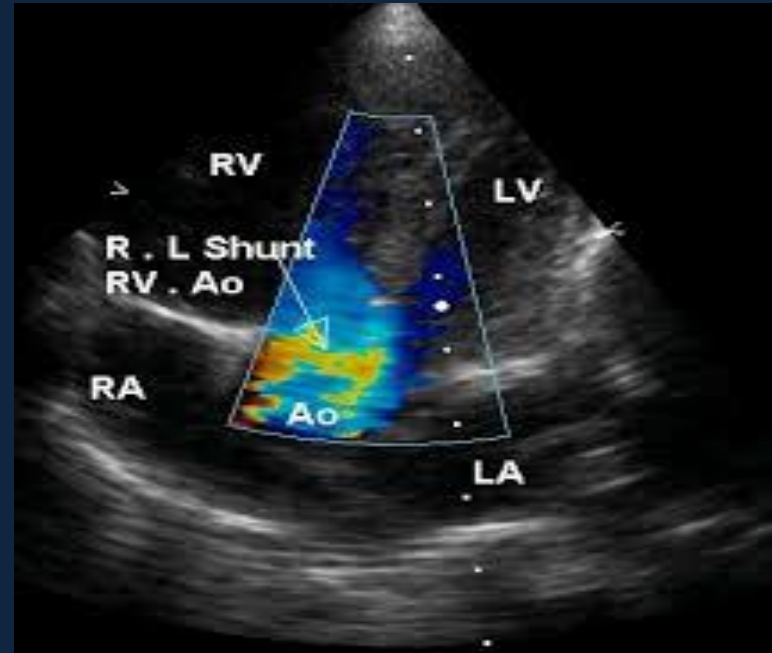
TRICUSPID ATRESIA



PULMONARY ATRESIA



TETROLOGY OF FALLOT



TOTAL ANOMALOUS PULMONARY VENOUS RETURNS

