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Second Trimester
Cardiac Apex Position
Second Trimester

Situs: Breech Presentation
Second Trimester

Situs: Cephalic Presentation

AO = aorta
LA = left atrium
LV = left ventricle
MV = mitral valve
RA = right atrium
RV = right ventricle
SP = spine
TV = tricuspid valve
Second Trimester
M-Mode
Second Trimester
Left Ventricular Outflow Tract (LVOT)
Second trimester
Right Ventricular Outflow Tract (RVOT)
Second trimester
Right Ventricular Outflow Tract

RVOT = right ventricular outflow tract
Second trimester
Outflow Tracts: *Short Axis View*
Ductal Arch View

3 Vessel & Trachea View

3 Vessel View

AO = aorta
PA = pulmonary artery
SVC = superior vena cava
LPA = left pulmonary artery
RPA = right pulmonary artery
Second Trimester

3 Vessel & Trachea (3VT) View

PA = pulmonary artery
AO = aorta
SVC = superior vena cava
Third Trimester

3 Vessel & Trachea (3VT) View
Second Trimester
Pulmonary Veins (PV)
Second Trimester
Aortic Arch
Second Trimester
Ductal Arch
Second Trimester

Ventricles: *Short Axis View*

LV = left ventricle
RV = right ventricle
Second Trimester
Superior & Inferior Vena Cava

IVC = inferior vena cava
RA = right atrium
SVC = superior vena cava
Second Trimester
Color Doppler

IVC = inferior vena cava
SVC = superior vena cava
Third Trimester
Pulmonary Veins
Second Trimester

Foramen Ovale
Second Trimester

Foramen Ovale
Second Trimester

Atrioventricular Valves: Color Doppler

MV = mitral valve
TV = tricuspid valve
Second Trimester
Interventricular Septum
Second Trimester

Semilunar Valves: *Color Doppler*

LVOT = left ventricular outflow tract
RVOT = right ventricular outflow tract
Second Trimester

Branching of the Pulmonary Arteries

LPA = left pulmonary artery
RPA = right pulmonary artery
Second Trimester
Ductal Arch
Second Trimester
Aortic Arch
23 week gestation

Atrioventricular valves: *Pulsed Doppler*
Second Trimester

Pulmonary Valve: *Pulsed Doppler*
Second Trimester
Aortic Valve: *Pulsed Doppler*
Second Trimester

Ductus Venosus: *Pulsed Doppler*
Second Trimester
Aortic Annulus
Measurement in Systole

AO = aorta
Second Trimester
Pulmonary Artery
Measurement in Systole

PA = pulmonary artery
Second Trimester
Atrioventricular Valve Annulus:
Measurement in Diastole
Second Trimester
Ventricular Lengths
Second Trimester

Aortic Arch, Isthmus, Ductus Arteriosus

Diameter Measurements
Second Trimester

Main Pulmonary Artery

*Diameter Measurement*

MPA = main pulmonary artery
Third Trimester

Ventricular Diameters
Second Trimester

Ventricular Free Wall Thickness
Second Trimester
Interventricular Septum Thickness

IVS = interventricular septum
Third Trimester
Cardiothoracic Ratio

Card-circ = cardiac circumference
Th-circ = thoracic circumference
Third Trimester

Systolic Dimensions of the Ventrices
Second Trimester

Transverse Dimensions of the Atria
Third Trimester

Foramen Ovale

FO = foramen ovale
Third Trimester

Location for Measurement of Branch Pulmonary Arteries