

PDF FETAL CARDIOLOGY EMBRYOLOGY GENETICS PHYSIOLOGY ECHOCARDIOGRAPHIC EVALUATION DIAGNOSIS AND PERINATAL MANAGEMENT OF CARDIAC DISEASES SERIES IN MATERNAL FETAL MEDICINE

Fetal Cardiology Embryology, Genetics, Physiology, Echocardiographic Evaluation, Diagnosis and Perinatal Management - Fetal Cardiology Embryology, Genetics, Physiology, Echocardiographic Evaluation, Diagnosis and Perinatal Management by Dean Lopez 2 views 7 years ago 40 seconds

Congenital Heart Disease: Considerations for Fetal and Maternal Management - Congenital Heart Disease: Considerations for Fetal and Maternal Management by National Society of Genetic Counselors 519 views 1 year ago 1 hour, 1 minute - Congenital **Heart Disease**,: Considerations for **Fetal**, and **Maternal Management**, Learning Objective #1 Review the etiology of ...

Fetal cardiology and perinatal management of newborns with cardiovascular disease - Fetal cardiology and perinatal management of newborns with cardiovascular disease by Children's National Hospital 756 views 6 years ago 34 minutes - Fetal Echocardiography, and **Perinatal Management**, of the Neonate with High-Risk **Cardiovascular Disease**, ...

Basic Fetal Echo Protocol and Optimization - Basic Fetal Echo Protocol and Optimization by Joe Kreeger 68,823 views 2 years ago 52 minutes - This presentation is a basic approach to performing a **fetal echocardiogram**, using a step-by-step protocol developed by the **fetal**, ...

Intro

Objectives

Fetal Echo Guidelines

Approach and Instrumentation

Initial steps

Fetus Orientation

Key points and considerations

Fetal Imaging Planes

Image optimization

Fetal Echo Protocol

Ventricular Morphology

Outflow Tract Sweep

Normal areas. 3

Technique

Ductus Arteriosus View

Short Axis View - Ventricles

Bicaval View

Take-home points

Thank You

"Where it All Begins - Fetal Diagnosis of Congenital Heart Disease\" (Gurur Biliciler - Denktas, MD) -

"Where it All Begins - Fetal Diagnosis of Congenital Heart Disease\" (Gurur Biliciler - Denktas, MD) by Houston Methodist DeBakey CV Education 653 views 8 years ago 24 minutes - Adult Congenital **Heart**, Symposium \"Where it All Begins - **Fetal Diagnosis**, of Congenital **Heart Disease**,\" Gurur Biliciler -

Denktas, ...

Intro

Cardiac Abnormality

Rationale for Fetal Echo

Timing

Evolution to Revolution

The Initial Heart

The Heart Tube

The Cardiac Loop

What do we see

Fetal physiology

Fetal echocardiogram

Fetal views

Fetal heart

Vascular crossing

Head and neck vessels

Heart diseases

Normal left heart

Hypoplastic left heart

AV canal

Abnormal arches

Abnormal tumors

Measuring the arteries

Arrhythmia

False positives

Difficult to detect

Ductal Dependent

Simple Lesions

Prenatal Counseling

Multidisciplinary Approach

Foetal (Fetal) Circulation | Before and At Birth | Cardiac Physiology | Embryology - Foetal (Fetal)

Circulation | Before and At Birth | Cardiac Physiology | Embryology by Byte Size Med 112,141 views 3 years ago 8 minutes, 9 seconds - In this video, I talk about the different shunts through **foetal**, circulation, the changes that happen at birth and the vestiges that ...

Intro

The Foetal Circulation Pathway \u0026amp; Shunts

Foetal Circulation Physiology

Changes at birth

Adult vestigial remnants

Fetal ECHO Part 1 || Basics explained || With probe positions - Fetal ECHO Part 1 || Basics explained || With probe positions by Interesting ultrasound cases 6,974 views 8 months ago 15 minutes - fetalmedicine, #fetalecho #interesting_ultrasound_cases #echo, #probe-position #usg #ultrasound #radiology In this video basics ...

Introduction

Apical 4 chamber view

Three vessel view

Three vessel trachea view

Left ventricle view

Right ventricle view

IOT view

GE Webinar: Fetal Echocardiography: Practical Guideline - Dr BS Rama Murthy - GE Webinar: Fetal Echocardiography: Practical Guideline - Dr BS Rama Murthy by GE HealthCare India 59,349 views 3 years ago 1 hour, 8 minutes - This Webinar will cover Practical guidelines to **Fetal echocardiography**, in Mid

Trimester Anomaly Scan Who should be screen, ...

Upper abdomen

Four chamber view

Sequential Segmental Analysis

Obstetric Ultrasound Probe Positioning | Pregnant Uterus \u0026 Fetus Transducer Placement USG Scan -
Obstetric Ultrasound Probe Positioning | Pregnant Uterus \u0026 Fetus Transducer Placement USG Scan by
Dr. Sam's Imaging Library 134,382 views 1 year ago 12 minutes, 9 seconds - Obstetric Ultrasound Probe
Positioning | Pregnant Uterus \u0026 **Fetus**, Transducer Placement USG Scan *Timestamps: Intro - 0:00 ...

Intro

Uterus

Ovaries \u0026 Adnexae

Embryo/Fetus

Fetus

Cephalic Spine Posterior

Cephalic Spine Anterior

Breech Spine Posterior

Breech Spine Anterior

Transverse Spine Anterior

Transverse Spine Posterior

Advanced Evaluation of the Fetal Heart - Advanced Evaluation of the Fetal Heart by AIUMUltrasound
81,242 views 7 years ago 57 minutes - Alfred Z. Abuhamad, MD, leads this presentation that covers
anatomic regions of the **fetal heart**.; the important role of the 3-vessel ...

aium webinar

Advanced Evaluation of the Fetal Heart

Transverse Views

Aortic Arch View

Three-Vessel Trachea View

3V View - Ductal Arch View - 3VT View

Left Brachiocephalic Vein

Checklist 3VT view

Coarctation of Aorta

TUI: 3 Vessels Seen

3VT View: 2 Vessels Seen Normal size great vessel

Transposition of Great Arteries

3VT View: 2 Vessels Seen Large size great vessel

3VT View: 3 Vessels Seen Abnormal Vessel Course

3VT View: 4 Vessels Seen

Aberrant Right Subclavian Artery

The thymic-thoracic ratio in fetal heart defects

The complete three-vessel view in prenatal detection of congenital heart defects

Importance of 3VT in Early Gestation Detection of Cardiac Anomalies

Fetal Chest Ultrasound Normal Vs Abnormal Image Appearances | Echocardiography | Heart \u0026 Lungs
USG - Fetal Chest Ultrasound Normal Vs Abnormal Image Appearances | Echocardiography | Heart \u0026
Lungs USG by Dr. Sam's Imaging Library 37,283 views 1 year ago 14 minutes, 28 seconds - Fetal, Chest
Ultrasound Normal Vs Abnormal Image Appearances | **Echocardiography**, | **Heart**, \u0026 Lungs USG
Intro: 0:00 Normal ...

Intro

Normal Heart 4 Chamber View/LVOT View

RVOT View

Short Axis View, IVC/SVC View

Ventricular Septal Defect

Atrioventricular Septal Defect (AV Canal/Endocardial Cushion Defect)

Ebstein's Anomaly

Hypoplastic Left Heart Syndrome
Transposition Of The Great Arteries
Tetralogy Of Fallot
Double Outlet Right Ventricle
Truncus Arteriosus
Ectopia Cordis
Echogenic Intracardiac Focus
Rhabdomyoma
Congenital Diaphragmatic Hernia
Congenital Pulmonary Airway Malformation Type 1
CPAM Type 2
CPAM Type 3
Bronchopulmonary Sequestration
Bronchogenic Cyst
Congenital High Airway Obstruction Syndrome (CHAOS)
Pleural Effusion
Pericardial Effusion
Fetal situs teaching by Dr Pradeep - Fetal situs teaching by Dr Pradeep by PRADEEP SRINIVASAN 31,139 views 5 years ago 14 minutes, 58 seconds - Fetal, situs teaching using models by Dr S Pradeep
Www.fetalecho.mediknit.org.
Introduction
Four positions
breech presentation
fetal position
Foetal (Fetal) Circulation - Foetal (Fetal) Circulation by Armando Hasudungan 1,320,451 views 6 years ago 11 minutes, 7 seconds - SPECIAL THANKS: Patreon members.
Fetal Circulation
Foramen Ovale
Patent Ductus Arteriosus
The Pulmonary Artery
Umbilical Arteries
My Frozen Embryo Transfer Success Tips, Implantation Success Story #ttc #ivfsuccessfirsttime - My Frozen Embryo Transfer Success Tips, Implantation Success Story #ttc #ivfsuccessfirsttime by Juhui the New Yorker ????? 67 views 4 hours ago 12 minutes, 5 seconds - Hey everyone! I'm currently 10 weeks pregnant. It could be a bit early but I wanted to share some of my Frozen **Embryo**, Transfer ...
13_FETAL CARDIAC VIEWS - 13_FETAL CARDIAC VIEWS by Fetal Intelligent Navigation Echocardiography PRB 24,669 views 2 years ago 17 minutes - This presentation reviews the normal characteristic features of **fetal cardiac**, views on ultrasound. Specifically, we will focus on the ...
Intro
Fetal Intelligent Navigation Echocardiography
Nine Fetal Echocardiography Views are Automatically Generated and Displayed (Diagnostic Planes)
Four-Chamber View
Fetal Cardiomegaly
Five-Chamber View
Left Ventricular Outflow Tract
Right Ventricular Outflow Tract
Short Axis View of Great Vessels
Three-Vessels and Trachea View
Three Vessel View
Transverse Aortic Arch View
Abdomen / Stomach
Situs Solitus (Normal)
Ductal Arch vs. Aortic Arch

Aortic Arch Isthmus

Superior and Inferior Vena Cava

Umbilical Vein and Ductus Venosus

Conclusions

Efficient and Effective Interpretation of the Four Chamber Heart View and Views of the Great Arteries -

Efficient and Effective Interpretation of the Four Chamber Heart View and Views of the Great Arteries by

Radiology Video - radiology made easy 108,475 views 7 years ago 1 hour, 10 minutes - Efficient and

Effective Interpretation of the Four Chamber **Heart**, View and Views of the Great Arteries.

Intro

Patients at greatest risk for congenital cardiac anomalies

Cardiac Anatomy is Difficult

Identify chambers

Four Chamber View ??

Evaluate size of chambers

Evaluate heart size

Are these normal size chambers?

Relationship of LA to DA And Apex to Anterior Chest Wall

Looking for lateral mediastinal shift Relationship of heart to midsagittal plane

Abnormal Cardiac Axis

Check situs

Four Chamber View What to Look For

Think axial

Think Abdominal Circumference

View of lips is often the same plane as the 4 CV

What plane of section is the LVOT view?

The Great Vessels

Why do I want to observe these features!

Tetralogy of Fallot

3 Vessel View What do I want to know !

Fetal Echocardiography: Delivery Planning for the Fetus with CHD - Fetal Echocardiography: Delivery

Planning for the Fetus with CHD by Cleveland Clinic 1,717 views 3 years ago 57 minutes - Tiny Hearts is a

virtual Cleveland Clinic Children's lecture **series**, dedicated to the topic of neonatal **cardiology**. Speakers

will ...

Fetal Echocardiography: Delivery Planning for the Fetus with CHD

Objectives Highlight the importance of perinatal and delivery room planning on outcome in newborns

diagnosed

Fetal Care in the Modern Era Diagnostic precision

Fetal Diagnosis of CHD: Does it Improve Outcome?

Fetal Diagnosis: Improved Outcomes Meta-analysis 1373 patients; 22% prenatal diagnosis • Mortality higher in prenatally diagnosed (10% vs 5-6%) • Fetal patient data included higher risk diagnoses and terminations -

Fetal diagnosis did not assure optimal postnatal care

Fetal Circulation

Postnatal Circulation

Delivery Room and Transitional Care Management Protocols

High Risk Diagnoses

Atrioventricular Canal Defect

Truncus Arteriosus

Tetralogy of Fallot

Tricuspid Atresia

Hypoplastic Left Heart Syndrome

HLHS with Restrictive Foramen Ovale: Postnatal Intervention

TAPVR Four subtypes - Supracardiac

Ebstein's Anomaly: Management Specialized strategies for ventilation

Tetralogy with Absent Pulmonary Valve
 Tetralogy with Absent Valve: Utility of MRI
 Tetralogy with Absent Valve: Management
 D-Transposition of the Great Arteries
 D-TGA: Foramen Ovale and Ductus Arteriosus
 D-TGA: In Utero Progression 22 weeks
 D-TGA: Postnatal Management
 Fetal Arrhythmias/Myocardial Dysfunction
 Fetal Tachy/Brady and Myocardial Dysfunction
 Minimizing Hemodynamic Compromise in CHD: Can We Predict Delivery Room Care?
 Predicting Delivery Room Compromise
 High Risk Patients: Specialty Driven Checklists
 What if we can't be there?
 DR Recommendations for Neonatologists
 DR Checklists for Neonatologists
 Delivery Considerations for Obstetricians Delivery method
 Prenatal Diagnosis: Improved Outcome for High Risk CHD
 Fetal Echocardiography: Protocol and Technique - Fetal Echocardiography: Protocol and Technique by
 Intersocietal Accreditation Commission 204,875 views 3 years ago 1 hour, 2 minutes - Presented by Mishella
 Perez, BS, RDMS, RDCS, this webinar is designed to: review the standard sonographic views of **Fetal**, ...
 Cardiac size
 Physiologic Pericardial Effusion
 4 - Chamber
 Case 1: Suspected VSD
 Total Anomalous Pulmonary Venous Return
 Left Ventricular Outflow Tract
 Case 4: Normal or Abnormal
 3VT (Three vessel trachea view)
 Continue to sweep towards apex
 Ductal arch
 Fetal Echo: M-mode
 GE Webinar: An approach to diagnosis of common congenital heart defects in fetus using 2D imaging - GE
 Webinar: An approach to diagnosis of common congenital heart defects in fetus using 2D imaging by GE
 HealthCare India 48,967 views 3 years ago 2 hours, 16 minutes - This insightful webinar by Dr Balu
 Vaidyanathan covers: 1. In-depth approach towards **diagnosis**, of common congenital **heart**, ...
 Dr Balu Vaidyanathan MD, DM Clinical Professor, Pediatric Cardiology, Head Fetal
 Major clinical and academic achievements
 THE ISUOG PROTOCOL EXTENDED BASIC EVALUATION
 FORMAT
 STEP 1: THE FOUR CHAMBER VIEW
 ABNORMAL 4 CHAMBER VIEW
 OPLASTIC LEFT HEART SYNDROME: 4 CHAMBER VIEW
 TIC ARCH: REVERSE FLOW INTO AORTIC ARCH
 HLHS WITH RESTRICTIVE FORAMEN OVALE
 HLHS: VENTRICULAR DISPROPORTION MITRAL VALVE FLOWS
 1: ALL THE FOLLOWING ARE COMPONENTS OF THE DIAGNOSIS EXCEPT
 IENCE QUESTION: CASE SCENARIO #2
 DMPLETE DIAGNOSIS: Right Isomerism
 Balanced Vs Unbalanced AVSD
 RIGHT HEART ABNORMALITY
 CUSPID ATRESIA VARIANTS: OUTFLOW TRACT ANATOMY
 H OUTFLOW TRACTS: TRANSPOSED AORTA (SMALL)
 WHAT IS THE DIAGNOSIS ?

The Outflow Tracts

OUTFLOW ANOMALY

OUTFLOW EVALUATION: COLOR

VOT AND 3 VESSEL VIEW

Case 5: All are components of the

IMAGING CLUES FOR SEVERE TOF: PREDICTING DUCT DEPENDANT CIRCULATION

Fetal Cardiography Embryology, Genetics, Physiology, Echocardiographic Evaluation, Diagnosis and Per - Fetal Cardiography Embryology, Genetics, Physiology, Echocardiographic Evaluation, Diagnosis and Per by Dean Lopez 4 views 7 years ago 1 minute, 26 seconds

2022 Fetal Echocardiography: Normal and Abnormal Hearts - A Video CME Teaching Activity - 2022 Fetal Echocardiography: Normal and Abnormal Hearts - A Video CME Teaching Activity by Educational Symposia 18,258 views 2 years ago 1 minute, 31 seconds - Series,: 2022 **Fetal Echocardiography**,: Normal and Abnormal Hearts - A Video CME Teaching Activity ABOUT THE COMPLETE ...

GE Webinar: An approach to diagnosis and management of Fetal Arrhythmia: Dr Balu Vaidyanathan - GE Webinar: An approach to diagnosis and management of Fetal Arrhythmia: Dr Balu Vaidyanathan by GE HealthCare India 14,139 views 3 years ago 2 hours, 10 minutes - The faculty of this webinar is Dr Balu Vaidyanathan **Fetal**, rhythm **problems**, are common and requires a systematic **evaluation**, of ...

2024 Fetal Echocardiography: Normal and Abnormal Hearts - A Video CME Teaching Activity - 2024 Fetal Echocardiography: Normal and Abnormal Hearts - A Video CME Teaching Activity by Educational Symposia 551 views 1 month ago 9 minutes, 10 seconds - Chapters: 0:00 Just Images \u0026amp; Movie Clips: Do You Know the **Diagnosis**,? - Elena Sinkovskaya, M.D., Ph.D., RDMS, RDCS 3:08 ...

Just Images \u0026amp; Movie Clips: Do You Know the Diagnosis? - Elena Sinkovskaya, M.D., Ph.D., RDMS, RDCS

Anomalies of the Cardiac Chambers 2: Atrioventricular Septal Defects - Edgar Jaeggi, M.D., FRCPC

Hands on Scanning Session 2: The Cardiac Exam-Gray Scale and Color Doppler - Alfred Abuhamad, M.D.

World Congenital Heart Defect Awareness Day Symposium - World Congenital Heart Defect Awareness Day Symposium by Society of Fetal Medicine 4,231 views 1 year ago 2 hours, 52 minutes - To commemorate World Congenital **Heart**, Defects Awareness Day, the Society of **Fetal medicine**, brought together an experienced ...

Prenatal Heart Screening to Detect Congenital Heart Defects - Dr. Helena Gardiner - Prenatal Heart

Screening to Detect Congenital Heart Defects - Dr. Helena Gardiner by Memorial Hermann 2,140 views 9 years ago 18 minutes - Children's Memorial Hermann affiliated **fetal cardiologist**, Dr. Helena Gardiner discusses the importance of **prenatal heart**, ...

What is a Congenital Heart Defect?

What is Fetal Cardiology?

Multi-disciplinary Team Genetic Counselor

Recognizing Congenital Heart Defects

What Should You Expect From a Comprehensive Fetal Center?

Multi-disciplinary team Genetics

Congenital Heart Disease: Advanced Treatment for Children and Adults - Congenital Heart Disease:

Advanced Treatment for Children and Adults by Phoenix Children's 3,790 views 2 years ago 3 minutes, 28 seconds - The Olvera family has experienced an incredible odyssey into the world of congenital **heart disease**,. First, Gabriel (now 11) was ...

Intro

Gabriel Overa

Gabriels Diagnosis

Gabriels Surgery

Dr Franklin

Phoenix Childrens

The Fetal Series - The Fetal Series by Congenital Heart Academy 1,319 views Streamed 2 years ago 2 hours, 11 minutes - We'll start with definitions since for the **maternal fetal medicine**, specialist the small **fetus**, is not really a single entity and the ...

The Fetal Series - The Fetal Series by Congenital Heart Academy 1,435 views Streamed 1 year ago 2 hours,

2 minutes

The Basic Fetal Heart Scan - The Basic Fetal Heart Scan by AIUMultrasound 243,105 views 5 years ago 55 minutes - The Basic **Fetal Heart**, Scan: A Systematic Approach to Screening for Congenital **Heart Disease**, Speaker: Mishella Perez, BS, ...

Fetal Situs

Pericardial Effusion?

4 Chamber: Symmetry

RV Morphology: A Closer Look

Pulmonary Veins

Normal or Abnormal?

LA Morphology: A Closer Look

4CV: Valve Morphology

Outflow Tracts: Just the facts..

Crossing of the great vessels THE SWEEP

HOW DO I GET THE 3VV?

The Fetal Series - The Fetal Series by Congenital Heart Academy 456 views Streamed 4 weeks ago 1 hour,

42 minutes

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