

**KREST KOCHI**

# **Fetal Radiology Webinar Course**



***Dr. Srinivasa Shentar***  
Delta Scans, Bengaluru



## **Event Schedule**

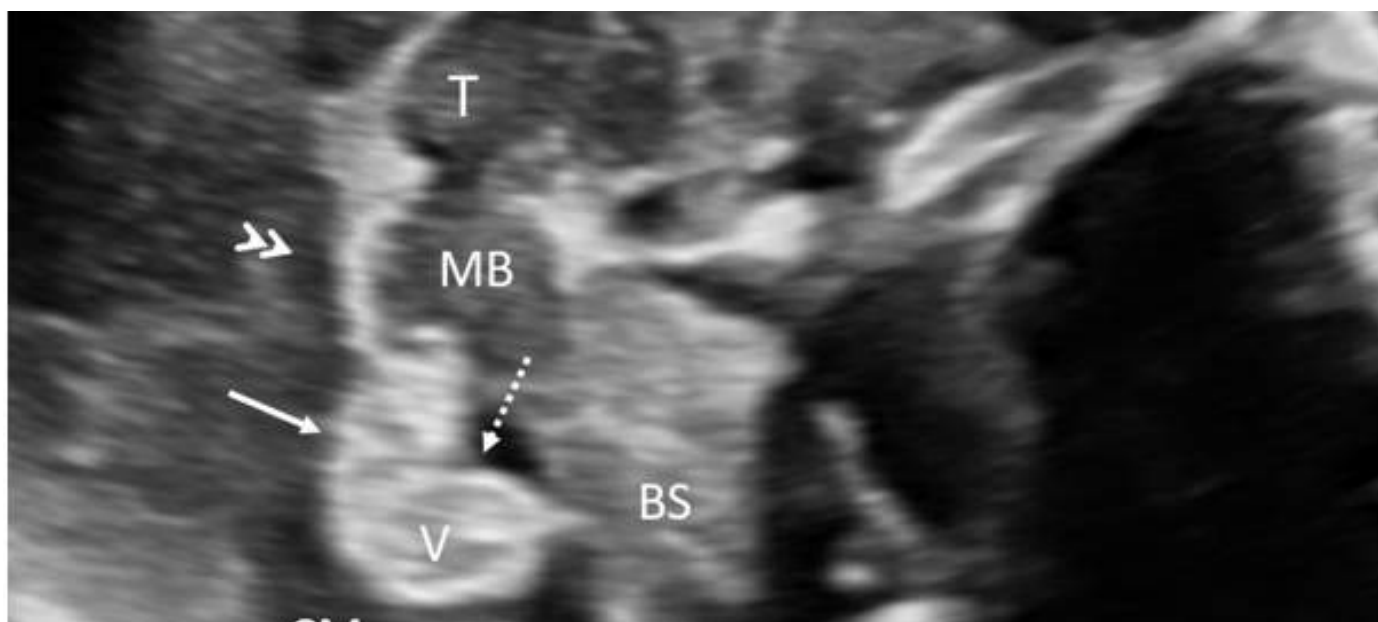
1. First trimester  
(Early pregnancy, 11 - 14 weeks)
2. TIFFA, Fetal GIT
3. Fetal CNS
4. Fetal cardia part 1
5. Fetal cardia part 2
6. Neck, Face, Genitourinary tract
7. Fetal infections, Twins
8. Skeleton and hematopoietic
9. Fetal growth, Charts and Doppler

Early bird  
registration  
Rs 2500/- only

**REGISTRATION  
OPEN**

Visit  
[www.krest.in](http://www.krest.in)

**29th Nov onwards on 9 Sundays 4 pm to 8 pm**



## Topics

### 1. FIRST TRIMESTER

Introduction  
 Very early pregnancy  
 LMP, EDD, Dating guidelines  
 Ectopic pregnancies  
 Nuchal translucency, Nasal bone  
 Doppler -  
 Ductus venosus, Tricuspid and  
 Uterine arteries  
 1st trimester structural scan  
 1st trimester anomalies -  
 examples  
 Serum biochemistry in screening

### 2. TIFFA & GIT

Indications  
 Mandatory sections  
 Biometry Communication  
 How to save time  
 Esophagus  
 Stomach,  
 Duodenum  
 Diaphragm  
 Small, large  
 bowel  
 Anterior  
 abdominal wall  
 Echogenic bowel  
 Ascites  
 Liver,  
 spleen, GB, cysts

### 3. CNS

Protocols - basic vs  
 Neurosonogram  
 Fetal skull  
 Cerebral lateral ventricles  
 Holoprosencephaly spectrum  
 Cavum septum  
 pellucidum, corpus callosum  
 Posterior cranial fossa  
 Vascular abnormalities  
 Space occupying lesions  
 Lissencephaly,  
 heterotopias  
 Spine - 2nd trimester and later  
 Fetal CNS in 1st trimester

### 4. CVS: part - 1

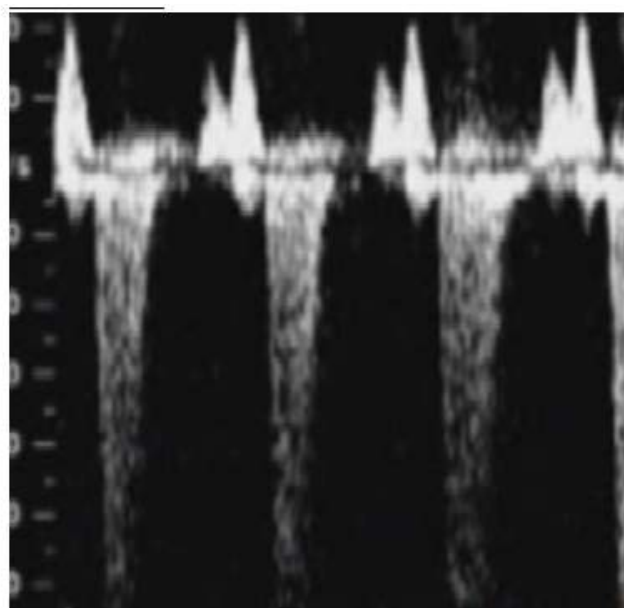
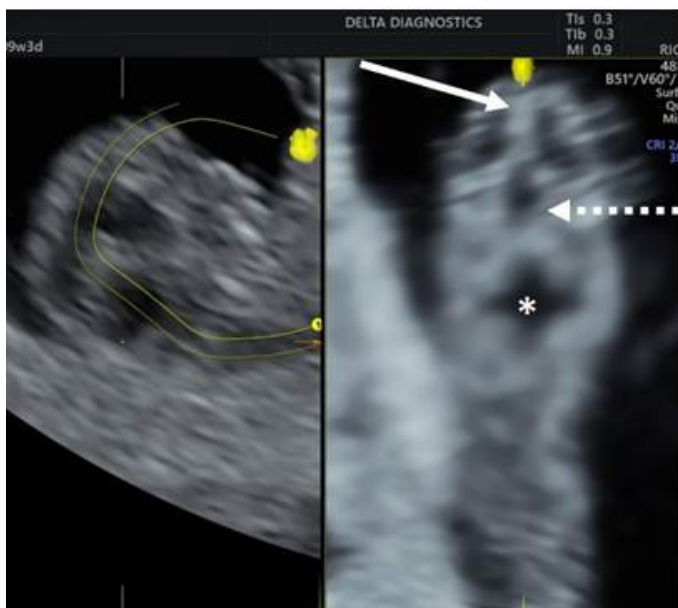
1st trimester fetal echo  
 Guidelines - screening and fetal  
 echocardiography  
 Optimizing grey scale, Color  
 Doppler, Pulsed Doppler  
 3D / 4D /STIC brief overview  
 Situs - cardiac and abdominal  
 Cardiac chambers - 4 chamber  
 and short axis, great vessel  
 views  
 Hemodynamics  
 Septal defects  
 Univentricular atrioventricular  
 connection  
 Ebstein, Tricuspid dysplasia,  
 Tricuspid regurgitation  
 Aortic stenosis, bicuspid aortic  
 valve

## Registration details

Registration is  
 through our web  
[www.krest.in](http://www.krest.in) &  
 fee is

Rs. 2500/- as an  
 early bird offer till  
 1st of Nov 2020.

Rs 3000/- till Nov  
 15th,  
 Rs 3500/- till 22nd  
 Nov &  
 Rs 4000/- till Nov  
 26th.



## Topics

### 5. CVS: part - 2

Short review Hypoplastic LV, critical AS  
Coarctation of aorta & interrupted aortic arch  
Pulmonary stenosis, Pulmonary atresia, ductus constriction  
TOF, PA with VSD, absent pulmonary valve  
Common arterial trunk  
DORV  
TGA complete and congenitally corrected  
Rt aortic arch, double aortic arch, ARSA  
Heterotaxy  
Venous system  
Cardiomyopathies and tumors  
Fetal cardiac function  
Measurements  
Arrhythmias  
Pitfalls and approach

### 6. GUT, FACE & NECK

Renal position and number  
Renal parenchyma abnormalities  
Renal collecting system  
Renal masses  
Fetal Urinary bladder  
Classification of urinary tract dilatation

Fetal genital system basics

Fetal neck

Fetal face - protocols and views

Facial clefts

Orbits,

Mandible, Tongue, Ears

Nose, facial profile

### 7. INFECTIONS, TWINS

Infection - introduction, basics

CMV

Rubella

Herpes

Parvovirus,

other viruses

Toxoplasmosis

Multiple pregnancies -

introduction

1st trimester Anomaly in 1

fetus

TTTS

TAPS

TRAP

Monoamniotic twins

Conjoined twins

Demise of 1 twin

IUGR in one twin

ISUOG guidelines

### 8. LUNGS, SKELETON

Lung lesions

Skeleton - introduction

Identifying bones and protocols

3D in skeleton

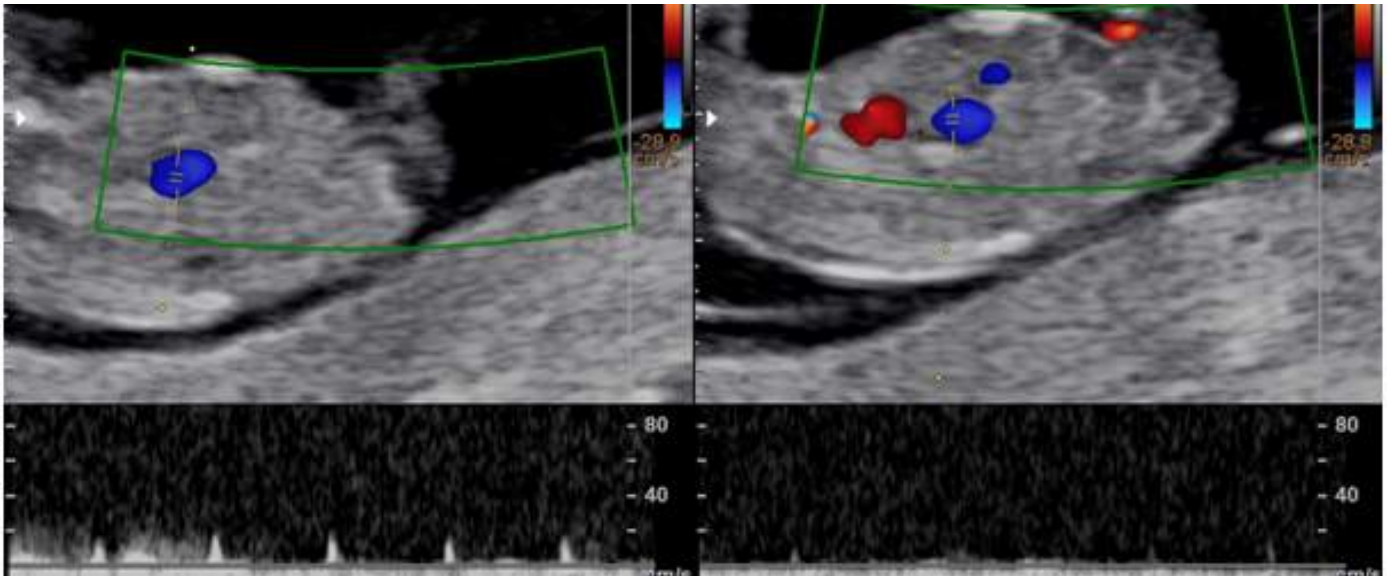
*Link to join the webinar will be emailed*

*1 or 2 days prior to the webinar.*

*Registrations includes  
LIVE &  
RECORDED  
VIDEOS*

*(Delegates has option to watch  
LIVE or  
RECORDED or  
BOTH)*

*No registration allowed only for recorded videos*



## Topics

Accuracy of ultrasound in skeletal abnormalities  
 Approach "Lethal" skeletal dysplasias  
 Short rib dysplasias, hypophosphatasia, Ellis van Creveld syndrome  
 Others - achondroplasia, chondrodysplasia punctata  
 Short femur  
 Abnormalities of limbs  
 Algorithms  
 Abnormalities of posture and movements

First trimester  
 Fetal anemia, thrombocytopenia

### 9. GROWTH, CHARTS, DOPPLER

Understanding basic statistics  
 Definitions and importance  
 Growth surveillance  
 Charts - usefulness, limitations  
 Protocols,  
 Doppler, Doppler indices  
 Uterine artery, umbilical artery, MCA, ductus venosus, aortic isthmus Doppler  
 IUGR / FGR,  
 Macrosomia  
 Biophysical profile & Liquor

## Organising Committee

**Dr. Balachandran Nair,**  
 Prof & HOD, Radiodiagnosis,  
 Jubilee Mission Medical College, Trichur

**Dr. Amel Antony,**  
 Senior Consultant  
 Radiologist & HOD,  
 Radiodiagnosis,  
 Lisie Hospital, Ernakulam

**Dr. Rijo Mathew,**  
 Director & Senior Consultant  
 Radiologist,  
 Amma Scan Centre,  
 Ernakulam

**Dr. Ramesh S Shenoy,**  
 Senior Consultant  
 Radiologist,  
 Lisie Hospital, Ernakulam

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## Terms & Conditions

**Only Radiologists or Radiology residents are allowed to register and attend. If anyone found registered in fake name or unauthorized way will be blocked and fee paid will not be refunded.**

1. The program will be live in nine Sundays with four hours on every Sunday 4 pm to 8 pm.
2. The organisers (KREST Kochi & IRIA Kochi) or service providers (TheMedTube.com) or the faculty are not responsible for the problems beyond their control.
3. **In addition to live program**, the recording of each talk can be viewed only **ONCE** by same delegate & validity is for 1 week from subsequent tuesday of the live event. **Link of the recorded video will be emailed at appropriate time**
4. Registrations will be closed 3 days prior to the event.
5. No partial registration is possible.
6. No cancellation is allowed.
7. The program will start on time as far as possible.
8. In case of any dispute, jurisdiction is limited to Kochi only.
9. Registration is through our web [www.krest.in](http://www.krest.in) & fee is Rs. 2500/- as an early bird offer till 1st of Nov 2020. The fee will be Rs 3000/- till Nov 15th, Rs 3500/- till 22nd Nov & Rs 4000/- till Nov 26th.
10. Participation certificate will be issued in eFormat & sent by email after 1 week of last session.
11. **Link to join the webinar will be emailed 1 or 2 days prior to the webinar.**
12. Though the tentative program is for 9 sundays starting from 29th Nov, it may be adjusted / postponed / changed to another day in case of any inconvenience to the faculty or any technical issues. The recording of that day too will be adjusted in same manner, but will be available to the same delegate to watch once within 1 week.

Please enter your **FULL NAME** (as you wish to appear in the eCertificate), **MOBILE NUMBER & EMAIL ID** in the regn form. If you dont get a confirmation of payment by email, please check your spam folder