

FUNDAMENTALS OF FETAL CARDIAC SCREENING

SATURDAY, OCTOBER 4TH, 2025

HYBRID: IN-PERSON AND VIRTUAL &
OPTIONAL IN-PERSON “HANDS-ON” SESSIONS

www.torontofetalcardiaccourse.com



Course Description

This one-day conference will focus on basic fetal cardiac screening, including image optimization and assessment of fetal heart rhythm, situs, the four-chamber view, the ventricular outflow tracts and great arteries. Indications to refer for fetal echocardiogram, will also be reviewed. This course includes formal lectures, interactive cases, and live imaging demonstrations of both normal and abnormal fetal hearts. This year, we are introducing an optional “hands-on” scanning experience guided by our experience team.

Target Audience

This course is designed for medical professionals and trainees who are involved in performing or interpreting basic fetal heart screening by ultrasound. This includes sonographers, obstetricians, radiologists, maternal fetal medicine specialists, nurses and midwives, among others.

Course Objectives

- Understand the rationale and current guidelines for fetal cardiac screening by ultrasound
- Learn practical tools for image optimization
- Identify the pearls and pitfalls of detecting cardiac disease by ultrasound
- Understand how to evaluate fetal cardiac rhythm
- Differentiate normal versus abnormal fetal cardiac anatomy by taking a comprehensive approach through the different screening views, including the four-chamber view, the outflow tract views, and the three-vessel view
- Reinforce principles of image optimization and screening views with live case demonstrations with pregnant volunteers and interactive case-based discussion; an optional hands-on session is available to provide additional learning opportunities
- Learn who, when, and how to refer for a fetal echocardiogram

FUNDAMENTALS OF FETAL CARDIAC SCREENING 2025

7:15 – 8:00am BREAKFAST & REGISTRATION

8:00 – 8:05am INTRODUCTION

Dr. Lindsay Freud

SESSION 1 Moderator: Dr. Koyelle Papneja

Session Objectives

At the end of this session, participants will:

1. Understand the rationale and current guidelines for fetal cardiac screening
2. Learn practical tools for image optimization
3. Identify the pearls and pitfalls of detecting cardiac disease by ultrasound

8:05 – 8:30 Overview of Fetal Cardiac Screening

Dr. Ori Nevo

8:35 – 8:55 Brief Overview of Image Optimization

Nick Arbic, RDCS

9:00 – 9:20 Normal Live Scan

Elsie Wen, RDCS

9:25 – 9:35 Q&A

9:35 – 9:50 BREAK

SESSION 2 Moderator: Dr. Lindsay Freud

Session Objectives

At the end of this session, participants will:

1. Understand how to evaluate fetal cardiac rhythm
2. Recognize the utility and limitations of the 4-chamber screening view
3. Identify normal and abnormal outflow tract views

9:50 – 10:10 Fetal Cardiac Rhythm

Dr. Koyelle Papneja

10:15 – 10:45 Four Chamber View

Dr. Lindsay Freud

10:50 – 11:20 Outflow Tract Views

Dr. Jane Loughheed

11:25 – 11:45 Interactive Case-Based Session #1

Dr. Emmanuelle Fournier

11:50 – 12:00 Q&A

12:00 – 13:00 LUNCH

SESSION 3 Moderator: Dr. Jane Lougheed

Session Objectives

At the end of this session, participants will:

1. Recognize the importance of and rationale for incorporation of the three-vessel screening view
2. Differentiate normal vs abnormal anatomy and physiology by the three-vessel view
3. Learn who, when, and how to refer for a fetal echocardiogram

13:00 – 13:20 Abnormal Live Scan
Nick Arbic, RDCS

13:25 – 13:55 Three-Vessel View
Dr. Mike Seed

14:00 – 14:15 Who, When, and How to Refer for a Fetal Echocardiogram?
Nathalie Dutil RN, BScN

14:20 – 14:40 Interactive Case-Based Session #2
Dr. Marco Masci

14:45 – 14:55 Q&A

14:55 – 15:00 CLOSING REMARKS
Dr. Lindsay Freud

OPTIONAL HANDS-ON SESSIONS

15:15 – 15:50 Hands-On Session #1

15:55 – 16:30 Hands-On Session #2

"BEYOND THE SCAN" COCKTAIL RECEPTION

16:30 – 18:00 Join us after the course for a relaxed evening of networking and conversation. Enjoy light refreshments, hors d'oeuvres, and connect with colleagues and speakers in fetal medicine. We look forward to seeing you there!