

**Advanced Course In Limited Obstetric Ultrasound
National Institute of Family and Life Advocates (NIFLA)
ONLINE COURSE (ENDURING MATERIAL)**

Review Date: March 1, 2023

Release Date: March 30, 2023

Termination Date: March 29, 2026

**TO DOCUMENT YOUR CE PARTICIPATION AND OBTAIN YOUR CE CERTIFICATE - YOU MUST
COMPLETE AN ONLINE EVALUATION (Linked in Online Course)**

If you have any problems opening the survey or completing it, please contact your Course Director or e-mail the Department of Continuing Education Office – ce@cmda.org



Accreditation This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education ([ACCME](#)) through the joint providership of the Christian Medical & Dental Associations (CMDA) and the National Institute of Family and Life Advocates (NIFLA). Christian Medical & Dental Associations is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Physician Credit The Christian Medical & Dental Associations designates this educational activity for a maximum of 22 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Physician Assistant

AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit(s)*[™] by an organization accredited by the ACCME or a recognized state medical society. **Physician assistants may receive up to 22 credits for completing this activity.**

Nurse Practitioner

The American Academy of Nurse Practitioners Certification Program (AANPCP) accepts *AMA PRA Category 1 Credit*[™] from organizations accredited by the ACCME. Individuals are responsible for checking with the AANPCP for further guidelines.

Nurse practitioners may receive up to 22 credits for completing this activity.

Midwifery

American Midwifery Certification Board (AMCB) accepts *AMA PRA Category 1 Credit*[™] from organizations accredited by the ACCME. Individuals are responsible for checking with the AMCB for further guidelines. **Midwives may receive up to 22 credits for completing this activity.**

Objectives:

- Discuss the legal implications of limited ultrasound in obstetrics.
- Describe medical implications for the limited ultrasound in obstetrics
- Discuss why trained medical personnel are the only one who should interpret limited ultrasounds in obstetrics.
- List the medical indications for limited obstetrical ultrasound.
- Discuss safety of diagnostic ultrasound.
- Discuss the guidelines for training in limited obstetrical ultrasound.
- Describe ultrasound transducers and their uses.
- Recognizing the landmarks for limited OB ultrasound (uterus, cervix, vaginal canal, adnexa) to verify intrauterine pregnancy
- Identification and accurate measurement/assessment of gestational sac, fetal pole, yolk sac, and cardiac activity
- Recognizing signs of possible nonviable intrauterine pregnancy
- List the incidence of malformations diagnosed by ultrasound.
- Describe the parts of a diagnostic obstetrical ultrasound.
- Identify the reasons for medical malpractice in ultrasound.
- Cite the basic physics of ultrasound.

- Compare the performance of the targeted obstetrical ultrasound in contrast to the limited obstetrical ultrasound.
- Identify the uses of biometry in obstetrical ultrasound.
- Identify the ultrasound signs for aneuploidy in ultrasound.
- List the basic principles of Doppler ultrasound in pregnancy.
- Recognizing pregnancy of undetermined location (PUL)
- Recognizing and knowing significance of subchorionic hemorrhage
- Recognizing pseudosac, free fluid in abdomen and other signs for ectopic pregnancy
- Identifying corpus luteum cyst in adnexa
- Describe how to properly interpret/perform crown-rump lengths (CRLs)
- Describe how to properly interpret/perform biparietal diameter (BPD)
- Describe how to properly /perform head circumference (HC)
- Describe how to properly interpret/perform abdominal circumference (AC)
- Describe how to properly interpret/perform femur length (FL)

Agenda

TOPIC TITLE	FACULTY NAME	NUMBER OF CREDITS
Legal Parameters of Limited Obstetric Ultrasound	Thomas Glessner, JD	1 HR
Introduction to Ultrasound	Calhoun, MD, Byron	1.5 HRS
First Trimester Ultrasound	Poehailos, MD, Karen	1.0 HR
Assigned Reading for Module 3	Poehailos, MD, Karen	1.5 HRS
Biometry and anatomy of the Limited Obstetric Ultrasound	Calhoun, MD, Byron	1.0 HR
Prenatal diagnosis of Anomalies	Calhoun, MD, Byron	1.5 HRS
Special Circumstances for Limited Obstetric Ultrasound	Poehailos, MD, Karen	1.0 HR
Assigned Reading for Module 5	Poehailos, MD, Karen	1.5 HRS
Performing and Interpreting Biometry	Calhoun, MD, Byron	12 HRS
TOTAL HRS Available		22

Disclosures

Disclosures for all those in control of the content of this activity. The names of the ineligible companies (within the last 24 months) and the nature of the financial relationship(s). There is no minimum financial threshold. Disclosure of all financial relationships with ineligible companies regardless of the potential relevance of each relationship to the education.

Names of the individuals with and without relevant financial relationships	Names of Ineligible Companies that Individuals have Relevant Financial Relationships	The Nature of the Relationship the Individual has With Each Ineligible Company	Relevant financial relationship with Ineligible companies?	Roles(s) in Activity	Steps Taken to Mitigate Relevant Financial Relationship	Date Implemented
PLANNERS						
Byron Calhoun, MD	NONE	NONE	NO	N/A	N/A	N/A
Thomas Glessner, JD	NONE	NONE	NO	N/A	N/A	N/A
Karen Poehailos, MD	NONE	NONE	NO	N/A	N/A	N/A
Barbara Snapp CE Director	NONE	NONE	NO	N/A	N/A	N/A
Sharon Whitmer, EdD, KYLPC Accreditation Officer	NONE	NONE	NO	N/A	N/A	N/A
FACULTY						
Byron Calhoun, MD	NONE	NONE	NO	N/A	N/A	N/A
Thomas Glessner, JD	NONE	NONE	NO	N/A	N/A	N/A
Karen Poehailos, MD	NONE	NONE	NO	N/A	N/A	N/A

The **CMDA CE Review Committee** of John Pierce, MD, Chair; Jeff Amstutz, DDS; Trish Burgess, MD; Stan Cobb, DDS; Gary Goforth, MD; Curtis High, DDS; Bruce MacFadyen, MD; Kirsten Madea, DO; Dale Michels, MD; Shawn Morehead, MD; Michael O'Callaghan, DDS; and Jonathan Spenn, DMD; do not have any relevant financial relationships with any commercial interests.

ALL RELEVANT FINANCIAL RELATIONSHIPS HAVE BEEN MITIGATED.

*CMDA accredited educational activities may or may not contain some statements made by authors/speakers that do not completely align with official CMDA positions.