RSNA Press Release

Expert Panel Endorses New Ultrasound Terminology for Early Pregnancy

Released: August 27, 2024

OAK BROOK, Ill. (Aug. 27, 2024) — For the first time, a multi-medical society panel has developed and endorsed a uniform lexicon for describing the observations seen on ultrasound during the first trimester of pregnancy. The lexicon, based on scientific evidence, societal guidelines and expert consensus, was published today in *Radiology*, a journal of the Radiological Society of North America (RSNA) and simultaneously in the *American Journal of Obstetrics & Gynecology*. The lexicon addresses terms frequently used in first trimester ultrasound reports, such as 'ectopic pregnancy,' 'heartbeat,' 'living' and 'viable.'

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Shuchi K. Rodgers, M.D.

"While there is a multi-society agreement for first-trimester imaging guidelines for reliable sonographic findings to predict which pregnancies will not progress, there has been a lack of consensus on the terms used in the imaging report and in communicating with patients," said first author Shuchi K. Rodgers, M.D., professor of radiology at the Sidney Kimmel Medical School of Thomas Jefferson University in Philadelphia, Pennsylvania. "Many terms currently used are outdated or confusing, are used inconsistently, or may be interpreted differently by radiologists, clinicians and patients."

The panel was convened by the Society of Radiologists in Ultrasound (SRU). Other societies participating in the development of the lexicon included the Society of Abdominal Radiology, the American College of Radiology, the American College of Obstetricians and Gynecologists, the American Institute of Ultrasound in Medicine, the Society for Maternal-Fetal Medicine, the American Society of Reproductive Medicine, the Society of Family Planning and the American College of Emergency Physicians.

Under the leadership team of Dr. Rodgers, senior author Lori M. Strachowski, M.D., and Mindy M. Horrow, M.D., (SRU past-president), the expert panel worked for a year and a half to reach a consensus on the uniform language. Panelists agreed unanimously or reached at least 80% agreement on preferred terms and synonyms, as well as terms to avoid, for the first-trimester ultrasound report.

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Lori M. Strachowski, M.D.

Given that cardiac development is gradual and incomplete during the first trimester of pregnancy, the panel recommended the use of the term 'cardiac activity' instead of 'heart motion' or 'heartbeat.' The panel also recommended against terms, such as 'live,' 'living,' and 'viable,' that could raise unrealistic expectations for patients facing a potential pregnancy loss or an ectopic pregnancy.

"We recognize that specific language in the medical record could be used by third parties to negatively affect the physician-patient relationship," said Dr. Strachowski, clinical professor of radiology and biomedical imaging and obstetrics, gynecology and reproductive sciences from the University of California, San Francisco. "Our goal was to recommend clear, specific, scientifically based and medically appropriate terminology that communicates clearly across disciplines, minimizes bias and harm, and respects patient preferences."

While the terms 'miscarriage' and 'spontaneous abortion' remain part of the agreed lexicon, the historically used 'pregnancy failure' has been replaced with 'early pregnancy loss.'

"Because patients have rapid access to their medical records, we considered patient preferences for and against certain terminology," Dr. Strachowski said. "The term 'pregnancy failure' was never meant to convey blame or guilt, but it didn't sit well with patients."

According to the recommendations, an intrauterine pregnancy is defined as a pregnancy implanted in a normal location, while an embryo implanted in any abnormal location, whether inside (such as within a cesarean scar) or outside the uterus, is an ectopic pregnancy.

"We make it very clear that all ectopic pregnancies carry an increased risk of maternal morbidity and mortality," she said.

Dr. Strachowski said all the participating societies have fully endorsed the new first-trimester ultrasound lexicon, and the panel expects it will be widely adopted.

"A Lexicon for First-Trimester US: Society of Radiologists in Ultrasound Consensus Conference Recommendations." Collaborating with Drs. Rodgers, Strachowski and Horrow were Peter M. Doubilet, M.D., Ph.D., Mary C. Frates, M.D., Anne Kennedy, M.B., B.Ch., Rochelle Andreotti, M.D., Kristyn Brandi, M.D., M.P.H., Laura Detti, M.D., Sarah K. Horvath, M.D., M.S.H.P, Aya Kamaya, M.D., Atsuko Koyama, M.D., M.P.H., Penelope Chun Lema, M.D., Katherine E. Maturen, M.D., M.S., Tara Morgan, M.D., Sarah G. Običan, M.D., Kristen Olinger, M.D., Roya Sohaey, M.D., and Suneeta Senapati, M.D.

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RSNA is an association of radiologists, radiation oncologists, medical physicists and related scientists promoting excellence in patient care and health care delivery through education, research and technologic innovation. The Society is based in Oak Brook, Illinois. (RSNA.org)

For patient-friendly information on ultrasound, visit RadiologyInfo.org.

Images (JPG, TIF):

Term(s) Alternate Term(s)	Application/ Definition	Term(s) to Avoid	Comments
hCG	Human chorionic gonadotropin		Produced by trophoblastic cells Beta modifier may no longer be used by some laboratories
Pregnant	Serum hCG >5 mIU/mL		Refer to local laboratories for discriminatory hCG value hCG ≤5 mIU/mL may occur in healthy non-pregnant patients Rarely, elevated hCG may be unrelated to pregnancy such as with pituitary dysfunction or ne
Gestational age Menstrual age Gestational duration Clinical age or dates	Duration of pregnancy		Reported as # weeks # days Based on 1st day of LMP and/or early dating US In setting of assisted reproductive technologies, pregnancy is dated by clinical factors such as time of intrauterine insemination or embryo transfer, etc.
First (1 st) trimester	GA ≤13 weeks 6 days		
First (1st) trimester US Early pregnancy US Obstetrical (OB) US	US exam in the 1 st trimester of pregnancy	'Viability' scan	 Normal modifier may be used to describe the US examination or pregnancy location; caution against: 'normal 1st trimester pregnancy' as anomalies may be missed early in pregnancy Clinical indications include confirmation of pregnancy, dating, presence of cardiac activity, determining pregnancy location and number, vaginal bleeding, pain, etc.

SRU = Society of Radiologists in Ultrasound; hCG = human chorionic gonadotropin; mIU/ml = milli-international units per milliliter; # = number; LMP = last menstrual period; GA = gestational age; US = ultrasound

Figure 1. General terms. Lexicon terms (bolded and/or italicized) applicable to pregnancy but not specific to imaging are listed in this table. High-res (TIF) version

Term(s) Alternate term(s)	Image Example(s)	Image Key	Definitions/ Applications	Term(s) to Avoid	Comments
Gestational sac Pregnancy	O pro	Arrow = GS	Round or oval fluid collection surrounded by hyperechoic rim of trophoblastic tissue, ± YS, ± embryo		Visualized on TVUS at ~ 5 weeks GA May be intrauterine or ectopic No YS or embryo = probable GS/pregnancy With YS or embryo = definite GS/pregnancy Intradecidual sign and double decidual sac sign helpful when seen but not required Mean sac diameter (MSD) = (L+W+H)/3; used for calculating GA before embryo is seen
Yolk sac		Arrow = YS	Thin rimmed circular structure eccentrically located in GS		Visualized on TVUS at ~5 ½ weeks GA Confirms definite GS/pregnancy Typically, ≤6 mm
Embryo/Fetus		Calipers = embryo (CRL = 25 mm)	Embryo = GA ≤10 weeks 6 days	Embryonic 'pole'	Embryo with cardiac activity is visualized on TVUS at ~ 6 weeks GA Crown-rump length (CRL) = greatest dimension of embryo/fetus; used for dating when embryo/fetus present
	on June	Calipers = fetus (CRL = 74 mm)	Fetus = GA≥11 weeks 0 days	Fetal 'pole'	Per AlUM Practice Parameters: Embryonic/fetal number required to determine singleton vs. twins vs. higher order multiples Report chorionicity (# of sacs) and amnionicity (when possible) for all multi-gestation pregnancies
Cardiac activity Cardiac motion	Some Control of the C	Arrow = embryo Left half of screen = M-mode	Rhythmic pulsations in embryo/fetus	'Heart' 'Live', 'living' 'Viable'	Avoid all phrases containing 'heart' (e.g., 'heart motion' 'heartbeat', 'heart tones', etc.) and 'live', 'living' and 'viable' in 1" trimester Document with M-mode or cine clip Beats per minute (bpm) = rate of cardiac activity
Amnion	(Carlei	Arrow = amnion	Thin membrane surrounding embryo/fetus within GS		Visualized on TVUS at ~7 weeks GA Amniotic cavity = fluid-filled space contained by armion SYS always outside amniotic cavity
Intracavitary Fluid Endometrial cavity fluid		Arrow = pointed margin	Fluid in endometrial cavity with pointed/non- curved margins, ± internal echoes	'Pseudo- gestational sac'	Avoid 'pseudogestational sac' and 'pseudosac' as may be misinterpreted as indicating presence of ectopic pregnancy (even without other findings) leading to clinical errors

SRU = Society of Radiologists in Ultrasound; GS = gestational sac; "*" = with or without; YS = yolk sac; TVUS = transvaginal US; "~" = approximately; L = length; W = width; H = height; GA = gestational age; AIUM = American Institute of Ultrasound in Medicine; 1" = first

Figure 2. Early development. Lexicon terms (bolded and/or italicized) in this table relate to structures visualized at US in early pregnancy development. Terms to avoid are in single quotation marks. Terms specific to multigestation pregnancies, such as *chorionicity* and *amnionicity*, are beyond the scope of this lexicon.

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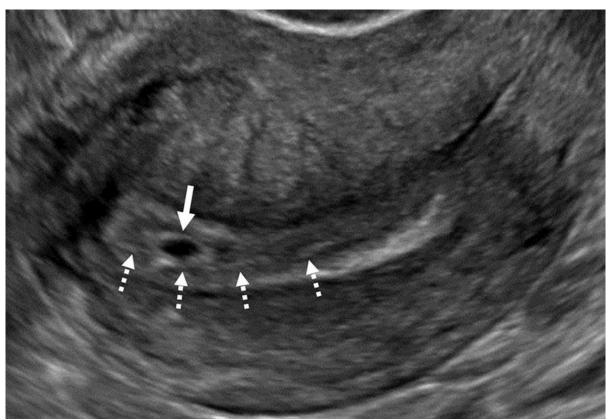


Figure 3. Intradecidual sign. Transvaginal sagittal grayscale US image in a 34-year-old pregnant patient shows a 4-mm empty gestational sac (GS) (solid arrow) in the anterior endometrium. The location of the GS to one side of the central hyperechoic line (dotted arrows) representing the opposed innermost layers of decidualized endometrium confirms it is within endometrium and not the endometrial cavity, hence the name *intradecidual sign*. This sign is helpful when seen to diagnose a *probable* intrauterine pregnancy (IUP) before visualization of the yolk sac. Three days later, the yolk sac was visualized (not shown), allowing for the diagnosis of a *definite* IUP. High-res (TIF) version

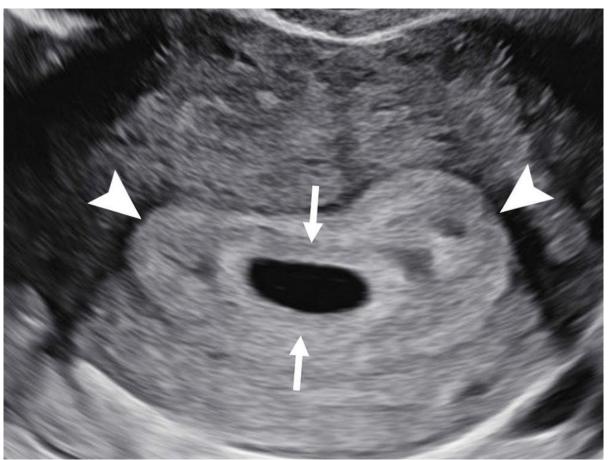


Figure 4. Double decidual sac sign. Transvaginal transverse grayscale US image in a 27-year-old pregnant patient at 5 weeks 3 days shows two concentric echogenic rings around an oval fluid collection representing the *double decidual sac sign*. The inner echogenic ring (arrows) corresponds to trophoblastic chorion and decidua capsularis. The outer echogenic ring (arrowheads) represents decidua vera and endometrial lining. The double decidual sac sign is more specific for an intrauterine pregnancy than the intradecidual sign when the gestational sac is empty. High-res (TIF) version

Term(s) Alternate Term(s)	Image Example(s)	Image Key	Definitions/ Applications NORMA	Term(s) to Avoid	Comments
Intrauterine pregnancy (IUP) Normally located pregnancy/IUP		Arrow = IUP	Pregnancy implanted in a normal location		In early pregnancy, GS normally located in upper 2/3 of uterus
Variants: -Eccentrically located GS completely surrounded by endometrium		Arrow = IUP (transverse plane)		'Angular pregnancy' 'Cornual pregnancy' 'Eccentric pregnancy'	Conclude as IUP Optional to include description/term in report findings Short-interval follow-up or 3D TVUS may help differentiate from interstitial EP in uncertain cases
Describe location of GS in uterus with Müllerian duct anomaly		Arrow = IUP in right horn of septate uterus (3D coronal reconstructed plane)		'Unicornuate pregnancy' 'Bicornuate' pregnancy'	Reporting examples: GS within a unicornuate uterus GS within right horn of a septate uterus
			ABNORMAL		
Ectopic pregnancy		Arrow = CS in left interstitial segment of tube (transverse plane) Arrow = CS scar	Pregnancy implanted in an abnormal location	'Cornual EP' 'Cesarean scar pregnancy' 'Cervical pregnancy' 'Live/living EP' 'Viable EP'	Poses risk of maternal morbidity/mortality if untreated General term; report laterality (if applicable) and location as follows: Tubal EP (includes ampullary, isthmic, & fimbrial) Interstitual EP (intra-myometrial segment of tube) Cesarean scar EP, cervical EP, ovarian EP, abdominal EP, intramural EP Report YS, embryoffetus and cardiac activity when seer to assist with treatment planning No YS or embryoffetus = probable EP With YS or embryoffetus = definite EP When in LUS/endocervix, must differentiate from EPL in progress; short-interval follow-up may help in uncertain cases With co-existing IUP = heterotopic pregnancy
- Extraovarian Mass Adnexal mass		Solid arrow = extraovarian mass Catipers = ovary	Adnexal mass, separate from ovary, of variable echogenicity and vascularity		When no IUP, high likelihood of tubal EP Adnexal mass preferred when ovary not seen Stiding sign helpful to confirm separate from ovary or uterus
-Tubal ring Adnexal ring Adnexal GS		Solid arrow = tubal ring Dotted arrow = ovary	GS in adnexa separate from ovary, ± peripheral vascularity	'Bagel' sign 'Donut' sign	When no IUP, high likelihood of tubal EP (even without YS or embryo) Important to differentiate from exophytic corpus luteur o Echogenicity, ovarian claw sign and sliding sign or TVUS may be helpful Color Doppler not useful as both may have a ring of peripheral vascularity
			UNKNOWN		Differential diagnosis = non-visualized early IUP, non-
Pregnancy of unknown location (PUL)		Arrows = ovaries (transverse plane)	No findings of probable or definite IUP or EP on TVUS		Univerential diagnosis = non-visualized early I/P, non-visualized EP and completed EPL; correlate with trending serum hCG values and follow-up US Most IUPs seen with serum hCG ≥3000 mIU/mI Should NOT be used when TVUS shows:

SRU = Society of Radiologists in Ultrasound; GS = gestational sac; 3D = three dimensional; TVUS = transvaginal US; EP = ectopic pregnancy; CS = cesarean section; YS = yolk sac; LUS = lower uterine segment; EPL = early pregnancy loss; "#" = with or without; hCG = human chorionic gonadotropin

Figure 5. Pregnancy location. The location of a pregnancy is divided into normal, abnormal, and unknown. Lexicon terms are bolded and/or italicized, and terms to avoid are in single quotation marks. The essential word in the definition of intrauterine pregnancy and ectopic pregnancy (EP) is *implanted*, which helps differentiate pregnancies that are temporarily located in the lower uterine segment. This definition also further clarifies abnormal intrauterine implantation sites as EPs.

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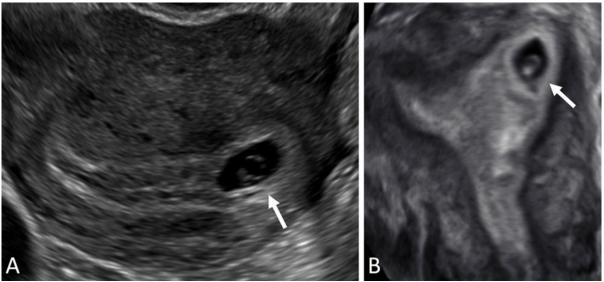
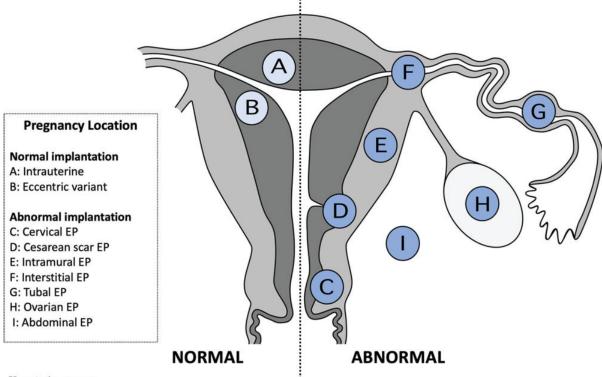


Figure 6. Normal intrauterine pregnancy (IUP) variant: eccentrically located gestational sac (GS) completely surrounded by endometrium. (A) Transvaginal transverse grayscale and (B) coronal reformatted three-dimensional US image in a 36-year-old pregnant patient shows an off-midline (leftward) GS (arrow) at 5 weeks 4 days with yolk sac and embryo. The GS is completely surrounded by endometrium and may be reported as an IUP without further description. If desired, the user may describe as an eccentrically located GS completely surrounded by endometrium but should conclude as an IUP to obviate concern for an interstitial ectopic pregnancy. The terms 'angular' or 'cornual pregnancy' should be avoided. Coronal reformatted three-dimensional US may help confirm a GS is located within endometrium, as demonstrated in this case.

High-res (TIF) version



EP = ectopic pregnancy

Figure 7. Specific normal and abnormal pregnancy location sites. Schematic illustration of normal pregnancy implantation sites on the left half of the uterine diagram and abnormal implantation sites on the right. Representative round icons indicate the implantation site with corresponding letters to lexicon terms in the box. Of note, it is optional to further describe a tubal ectopic pregnancy location as *isthmic*, *infundibular*, or *ampullary* when the precise location is clear at US.

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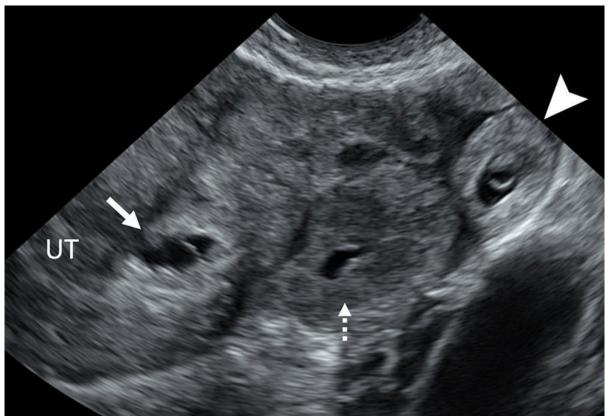


Figure 8. Heterotopic pregnancy. Transvaginal transverse grayscale US image in a 27-year-old pregnant patient shows an early intrauterine pregnancy (IUP) (solid arrow) containing a yolk sac and a *tubal ring* of ectopic pregnancy (EP) (arrowhead) also containing a yolk sac. The coexistence of an IUP and EP is termed *heterotopic pregnancy*. The left ovary contains a corpus luteum (dotted arrow) and is seen in the center. The rim of chorionic tissue in the IUP and EP is hyperechoic, whereas in contrast, the corpus luteum is hypoechoic. Echogenicity can help distinguish a tubal ring from a corpus luteum in some cases. UT = uterus. **High-res (TIF) version**

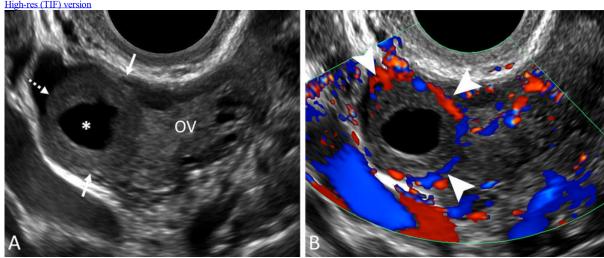


Figure 9. Corpus luteum. (A) Transvaginal sagittal grayscale and (B) color Doppler US image in a 31-year-old pregnant patient shows a round, hypoechoic, thick-walled structure (dotted arrow) with a central cystic space (*) and peripheral vascularity (arrowheads), characteristic of a *corpus luteum*. This corpus luteum arises in an exophytic fashion from the right ovary (OV), which can mimic a tubal ring of ectopic pregnancy. A helpful feature to diagnose a corpus luteum is a *claw sign* (solid arrows) of partially surrounding ovarian parenchyma, which confirms an ovarian origin. High-res (TIF) version

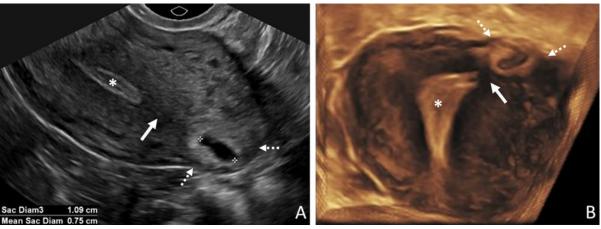


Figure 10. Interstitial ectopic pregnancy (EP). (A) Transvaginal transverse grayscale and (B) coronal reformatted three-dimensional US image in a 29-year-old pregnant patient shows a gestational sac (GS) (calipers) at 5 weeks 3 days. There is intervening myometrium (solid arrow) between the GS and endometrium (*). A claw sign (dotted arrows) of myometrial tissue confirms the pregnancy is implanted in the interstitial (intramyometrial) segment of the tube, termed an interstitial EP. The term 'cornual EP' should be avoided. Coronal reformatted three-dimensional US may better demonstrate an interstitial EP separate from the endometrium, as in this case. Diam = diameter.

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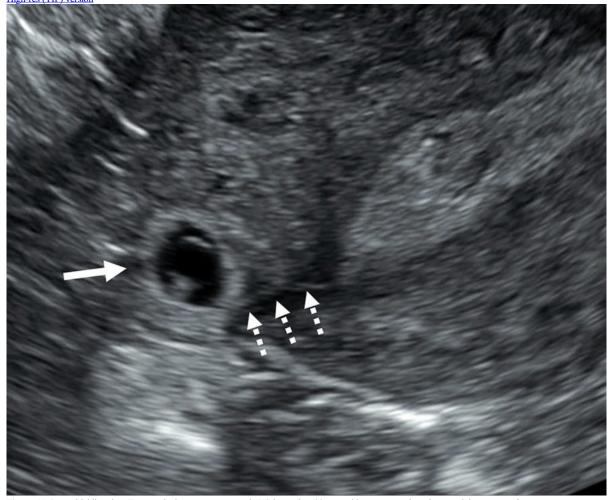


Figure 11. Interstitial line sign. Transvaginal transverse grayscale US image in a 33-year-old pregnant patient shows a right *interstitial ectopic pregnancy* (EP) (solid arrow) at 6 weeks 0 days. In addition to the characteristic sonographic findings of an interstitial EP shown in Figure 10, there is a thin echogenic line (dotted arrows) representing the interstitial segment of the tube. This line connects the endometrium to the ectopic gestational sac and is called the *interstitial line sign*.

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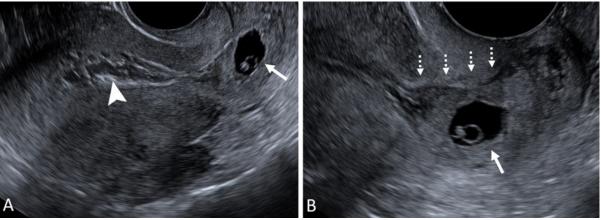


Figure 12. Cervical ectopic pregnancy (EP). (A) Transvaginal sagittal grayscale US of the uterus and (B) high-resolution US image of the cervix in a 31-year-old pregnant patient at 6 weeks 3 days with vaginal bleeding. A gestational sac (GS) (solid arrow) is seen containing an embryo with cardiac activity (not shown) implanted in the cervix. Mixed-echogenicity material (arrowhead) representing blood products expands the endometrial cavity. The location of the GS eccentric to the endocervical canal (dotted arrows) and cardiac activity help make the diagnosis of a cervical EP. The term 'cervical pregnancy' should be avoided.

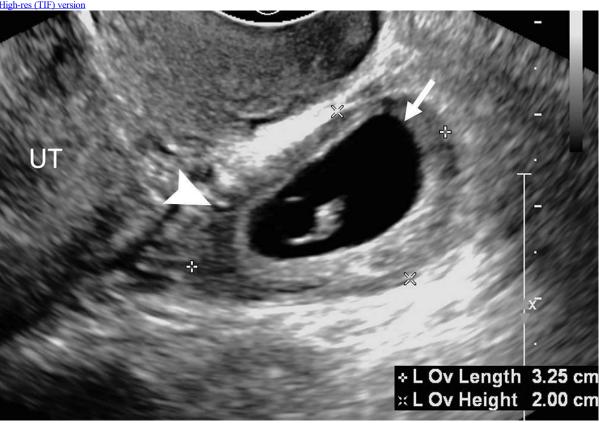
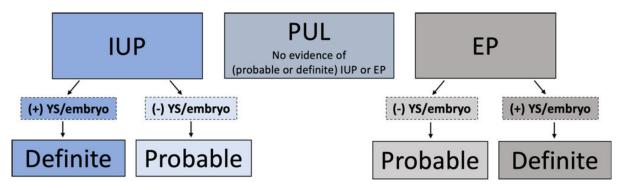


Figure 13. Ovarian ectopic pregnancy (EP). Transvaginal sagittal grayscale US image in a 35-year-old pregnant patient at 6 weeks 4 days shows a gestational sac (GS) (arrow) containing a yolk sac and embryo with cardiac activity (not shown) within the ovary (Ov) (calipers), diagnostic of an *ovarian EP*. A peripheral follicle is present in the ovary (arrowhead). To avoid misdiagnosing a corpus luteum for the rare ovarian EP, a yolk sac or embryo should be present in the intraovarian thick-walled cystic structure representing the GS. UT = uterus.

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IUP = intrauterine pregnancy; PUL = pregnancy of unknown location; EP = ectopic pregnancy; YS = yolk sac

Figure 14. Pregnancy of unknown location (PUL). The original definition of PUL is maintained; however, it is clarified in the lexicon to clearly state that there should be no evidence of *probable* or *definite* intrauterine pregnancy (IUP) or ectopic pregnancy (EP) to qualify as a *PUL*. An empty gestational sac is considered a *probable* pregnancy whether implanted in a normal location (IUP) or abnormal location (EP) and should not be termed a PUL. High-res (TIF) version

Term(s)	Image	Image	Definitions/	Term(s)	Comments
Concerning for EPL Concerning for miscarriage Concerning for spontaneous abortion SAB) UPO of unknown prognosis	Example(s)	Solid arrow = YS Dotted arrow = amnion Calipers = YS (YS = 8 mm)	Normally located GS with findings that suggest a pregnancy may not progress	'Failure' 'IUP of uncertain viability'	Criteria* on TVUS are as follows:
Diagnostic of EPL Diagnostic of miscarriage Diagnostic of SAB Special scenarios: Embryonic/fetal Hemise Anembryonic regnancy	150 CO 1 CO	Calipers = embryo (CRL = 23 mm; No cardiac motion) Calipers = MSD (MSD = 27 mm)	Normally located GS with findings definitive for a pregnancy that will not progress	'Failure' 'Blighted ovum' 'Nonviable' 'Nonviability'	Criteria* on TVUS are as follows: CRL≥7 mm and no cardiac activity MSD≥25 mm and no embryo Absence of embryo with cardiac activity≥14 days after visualization of GS and no YS Absence of embryo with cardiac activity≥11 days after visualization of GS with YS Optional terms for special scenarios: Embryonic/fetal demise = CRL≥7 mm and no cardiac activity (fetal when GA≥11 weeks 0 days) Anembryonic pregnancy = no embryo and 1 of the following:
FPL in progress discarriage in progress AB in progress		Arrow = embryo in LUS/upper cervix (No CM)	GS located in cavity of lower uterine segment or endocervical canal in process of expulsion		If cardiac activity present, consider cervical or cesarear scar ectopic pregnancy Color Doppler, <i>stiding sign</i> on TVUS or short-interval follow-up US may be helpful in uncertain cases
Retained (or residual) products of processing (RPOC) as a complete discorriage/SAB esseription of indings in lieu of erm		Calipers = endometrial thickness (ET = 14 mm) Solid arrow = RPOC Dotted arrow = EMV	Residual intracavitary tissue or thickened endometrium following EPL, typically with internal vascularity; ## persistent GS	'Embryonic tissue' 'Fetal tissue'	Option to substitute residual for retained as tissue may spontaneously expel and retained may imply tissue is fixed prompting unnecessary intervention; treatment is based on clinical factors or persistent GS of If GS in lower uterine segment/endocervix, see EPL in progress above Vascular flow in endometrial cavity confirms tissue Endometrium <10 mm without vascular flow is unlikely to represent incomplete EPL Enhanced myometrial vascularity (EMV) typically seen
Completed EPL Completed niscarriage Completed SAB		Calipers = endometrial thickness (ET = 7 mm)	No intracavitary tissue or persistent GS following EPL		Used in following scenarios: Prior visualized GS that is no longer seen and no residual intracavitary tissue In differential diagnosis of pregnancy of unknown location (PUL)
- Enhanced myometrial vascularity (EMV)	W -	Arrow = EMV	Focal myometrial vascularity deep to prior pregnancy implantation site		Transient/expected finding following EPL (incomplete of completed); typically, resolves spontaneously Should MOI be confused with: Office reformed in the status (AVF): rare; most commonly due to sharp curettage Arterio-venous malformation (AVM): rare; congenital anomaly Subinvolution of the placental site (SIPS): pathologic diagnosis

SRU= Society of Radiologist in Ultrasound; IUP = intrauterine pregnancy; cm = centimeters; YS = yolk sac; GS = gestational sac; *Doubilet et.al. NEJM 2013, PMID 24106937, DOI 10.1056/NEJMra1302417; TVUS = transvaginal US; MSD = mean sac diameter; CRL = crown-rump length; LMP = last menstrual period; GA = gestational age; CM = cardiac motion; SAG = sagittal; COR = coronal; "#" = with or without; ET = endometrial thickness

Figure 15. Early pregnancy loss (EPL). There are five main categories of EPL: concerning for, diagnostic of, in progress, incomplete, and completed. Enhanced myometrial vascularity (EMV) is included in the lexicon since increased myometrial vascularity deep to a prior implantation site is commonly

confused with other rare entities, such as an arteriovenous fistula and arteriovenous malformation, which may lead to unnecessary work-up.

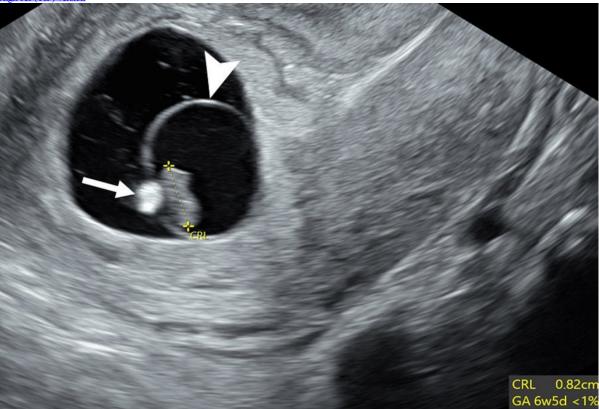


Figure 16. Poor prognosticators: calcified yolk sac and expanded amnion sign. Transvaginal sagittal grayscale US image in a 27-year-old pregnant patient shows an 8-mm embryo (calipers) without cardiac activity (M-mode not shown) sufficient for the interpretation of diagnostic of early pregnancy loss (EPL). Additional poor prognosticators include a calcified yolk sac (arrow) and an enlarged amniotic cavity (arrowhead) relative to the crown-rump length (CRL) of the embryo, called the expanded amnion sign. These additional observations, on their own, are only concerning for EPL. GA = gestational age. High-res (TIF) version

19/	SUMMARY OF MAJOR LEXICON CHANGES: TERMS TO USE		
Terms to Use	Comments		
Early Pregnancy Loss (EPL)	 General term endorsed by OB-Gyn communities and societies to describe a pregnancy that may or will not progress, is in the process of expulsion, or has incompletely or completely passed; replaces 'failure' Modifiers to differentiate above scenarios are as follows: Concerning for = GS normally located but with findings that it may not progress Diagnostic of = GS normally located but with findings that it will not progress In progress = GS located in cavity of LUS or endocervical canal in process of expulsion Incomplete = Intracavitary tissue, thickened endometrium or persistent GS following EPL Alternate terms:		
Cardiac activity	 Term for embryonic/fetal rhythmic pulsations; replaces 'heart', 'heart motion', 'heartbeat', etc. Alternate term: cardiac motion Avoid the terms 'live', 'living' and 'viable' in the 1st trimester 		
Ectopic Pregnancy	 Defined as a pregnancy <u>implanted</u> in an abnormal location, whether extrauterine or intrauterine Clarifies cervical and Cesarean scar sites as ectopic pregnancies Use <i>probable</i> if no YS or embryo seen Use <i>definite</i> if YS or embryo seen 		

OB-Gyn = Obstetrical and Gynecologic; GS = gestational sac; LUS = lower uterine segment; YS = yolk sac; 1st = first

Figure 17. Summary of major lexicon changes highlighting terms to use. The major changes from currently used terminology to describe sonographic findings in the first trimester are (a) early pregnancy loss in lieu of 'failure'; (b) cardiac activity in lieu of 'heart motion'; and (c) defining ectopic pregnancy as an abnormal implantation site. The terms 'live,' 'living,' and 'viable' are commonly used terms to describe cardiac activity. However, as these terms may be misleading, they are best avoided in the first trimester.

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SUMMARY OF	MAJOR LEXICON CHANGES: TERMS TO AVOID			
Terms to Avoid	Lexicon Terms			
Embryonic 'pole' or fetal 'pole'	Embryo or fetus			
'Heart', 'heartbeat', 'heart motion', etc.	Cardiac activity OR cardiac motion			
'Live', 'living', 'viable'	Cardiac activity OR cardiac motion			
'Viability' scan	First trimester US exam			
'IUP of uncertain viability'	IUP of uncertain prognosis OR concerning for EPL			
'Failure'	Early pregnancy loss (EPL)			
'Blighted ovum'	Anembryonic pregnancy OR diagnostic of EPL			
'Pseudogestational sac', 'pseudosac'	Intracavitary fluid OR endometrial cavity fluid			
'Cesarean scar pregnancy'	Cesarean scar ectopic pregnancy			
'Cervical pregnancy'	Cervical ectopic pregnancy			
'Angular pregnancy', 'cornual pregnancy', 'eccentric pregnancy'	IUP OR if describing, use: eccentrically located GS completely surrounded by endometrium (and conclude as IUP)			
'Cornual ectopic pregnancy'	Interstitial ectopic pregnancy			

'Unicornuate pregnancy', 'bicornuate pregnancy' Describe GS relative to uterine MDA (e.g., GS in right horn of septate uterus)

US = ultrasound; IUP = intrauterine pregnancy; EPL = early pregnancy loss; GS = gestational sac; MDA = Müllerian duct anomaly

Figure 18. Summary of major lexicon changes highlights terms to avoid. Equally important as terms to use are those terms that are best avoided since they are obsolete or confusing (single quotation marks). This is accompanied by recommended lexicon terms (bold and italicized) to use instead.

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Resources:

Editorial Study abstract