Pregnancy - Decreased Fetal Movement

Office Hours Telephone Triage Protocols | Adult | 2019



DEFINITION

- Concerns that the baby is moving less
- · Concerns and questions about fetal movement
- Questions about how to perform a kick count

Note:

• Pregnant and patient is not in labor

TRIAGE ASSESSMENT QUESTIONS

Call EMS 911 Now

■ Sounds like a life-threatening emergency to the triager

See More Appropriate Protocol

- Pregnant > 36 weeks (i.e., term) and having contractions or other symptoms of labor Go to Protocol: Pregnancy - Labor (Adult)
- Pregnant < 37 weeks (i.e., preterm) and having contractions or other symptoms of labor Go to Protocol: Pregnancy - Labor - Preterm (Adult)
- Pregnant > 20 weeks and having abdominal pain

 Go to Protocol: Pregnancy Abdominal Pain Greater Than 20 Weeks EGA (Adult)
- Pregnant > 20 weeks and having vaginal bleeding or spotting

 Go to Protocol: Pregnancy Abdominal Pain Greater Than 20 Weeks EGA (Adult)

Go to L&D Now

Blurred vision or visual change

R/O: preeclampsia

■ SEVERE headache and not relieved with acetaminophen (e.g., Tylenol)

R/O: preeclampsia

■ Leakage of fluid from vagina

R/O: rupture of membranes

Go to L&D Now (or to Office with PCP Approval)

■ Pregnant 23 or more weeks and baby moving less today by kick count (e.g., kick count < 5 in 1 hour or < 10 in 2 hours)

Reason: needs exam and fetal monitoring

■ Pregnant 23 or more weeks and baby moving less today AND unable (or unwilling) to perform kick count

Reason: needs exam and fetal monitoring

 Pregnant 23 or more weeks with normal kick count BUT mother still thinks there is something wrong

Reason: needs exam and fetal monitoring. Note: this disposition may also be appropriate for reassuring an anxious mother who has very rapid fetal movements. Usually, increased fetal activity is considered a positive sign of fetal well-being.

■ Pregnant 23 or more weeks with no movement of baby > 8 hours

Reason: needs exam and fetal monitoring

■ Fever > 100.4° F (38.0° C)

R/O: chorioamnionitis, pyelonephritis, viral illness

New hand or face swelling

R/O: preeclampsia

Patient sounds very sick or weak to the triager

Reason: severe acute illness or serious complication suspected

See Today in Office

■ Pregnant 20-22 weeks and has felt baby move previously, and no movement of baby > 8 hours Reason: needs exam and fetal monitoring

■ Discomfort when passing urine (e.g., pain, burning or stinging)

R/O: UTI, cystitis

Patient wants to be seen

See Within 3 Days in Office

■ Pregnant 20 or more weeks and has not felt baby move yet

Reason: needs exam to determine EGA

Home Care

- Baby moving normally OR normal kick count
- Pregnant 23 or more weeks and baby moving less today AND willing to perform kick count
- Pregnant 20 or more weeks and has felt baby move in past 8 hours
- Pregnant < 20 weeks and has not felt baby move yet

Reason: too early in pregnancy, incorrect EGA

Fetal hiccups, questions about

HOME CARE ADVICE

1. Quickening:

- Quickening is the term used to describe when a woman first feels baby movement.
- This usually occurs between the 18th-20th weeks of pregnancy.
- Thin women feel movements earlier in pregnancy then overweight women.
- Women use many different terms to describe their babies' movements. Early in pregnancy women may describe a "fluttering", a "nudge", a "butterfly", or a slight "twitch".

2. Fetal Movement and Pregnancy Dates:

- 1-15 Weeks: Baby is too small for mother to feel the baby move.
- 16-18 Weeks: Some women begin to feel the baby move, especially if they had a baby before.
- 18-20 Weeks: Many women begin to feel baby move around this time.
- 20-23 Weeks: Most women begin to feel baby move around this time.
- 24 Weeks: All women should feel the baby move by this time.
- Over 28 Weeks: Some doctors advise that women check kick counts each day.

Fetal Hiccups:

- Fetal hiccups are common. Women usually first feel them in the second trimester. They become even more noticeable in the last trimester of pregnancy.
- What does it feel like? Women use terms like "tapping" or a "regular beating" or just plain "baby hiccups".
- Are they normal? While they may feel strange, they are normal and harmless. There is no reason for concern. Some doctors tell their patients that this is the baby "practicing breathing and swallowing".

4. Kick Count Instructions (For Women 24 or more Weeks Pregnant):

- Pick the time of the day that your baby is most active.
- Sit back in a comfortable chair or lay down on your left side in bed. Do this in a quiet room (no TV, cell phone, computer, or children).
- Count any baby movement (kicks, rolls, flutters). Count up to 10.
- Normal Kick Count: 5 or more in one hour or 10 or more in 2 hours.
- Low Kick Count: Less than 5 in one hour or less than 10 in 2 hours. Speak with your PCP right away.

5. Call Back If:

- Low kick count (less than 5 in 1 hour or less than 10 in 2 hours).
- Normal kick count but you still are worried that something is wrong.
- You have other questions or concerns.

FIRST AID

N/A

BACKGROUND INFORMATION

Key Points

• Quickening is the term used to describe when a woman first feels baby movement. This usually occurs between the 18th-20th weeks of pregnancy. Women who have been pregnant previously can sometimes feel the baby move as early as the 16th or 17th week. Thin women feel movements earlier

in pregnancy than overweight women.

- Women use many different terms to describe their babies' movements. Early in pregnancy women may describe a "fluttering", a "nudge", a "butterfly", or a slight "twitch". Later in pregnancy the baby is larger and the movements are more forceful. Women may then describe "hard kicking", "punching", or "rolling".
- Feeling the baby move is a great source of happiness for the mother to be. The fetal movements provide ongoing reassurance that all is going well with the pregnancy. A decrease or absence of fetal movement can cause significant maternal anxiety regarding the well-being of her baby, and may be a sign of fetal compromise.

Fetal Hiccups

- Fetal hiccups are common. Women usually first feel them in the second trimester. They become even more noticeable in the last trimester of pregnancy.
- What does it feel like? Women use terms like "tapping" or a "regular beating" or just plain "baby hiccups".
- Are they normal? While they may feel strange, they are normal and harmless. There is no reason for concern. Some doctors tell their patients that this is the baby "practicing breathing and swallowing".

Fetal Movement Dates

- 1-15 Weeks: Baby is too small for mother to feel the baby move.
- 16-18 Weeks: Some women begin to feel the baby move, especially if they had a baby before.
- 18-20 Weeks: Many women begin to feel baby move around this time.
- 20-23 Weeks: Most women begin to feel baby move around this time.
- 24 Weeks: All women should feel the baby move by this time.
- Over 28 Weeks: Some doctors advise that women check kick counts each day.

Performing Kick Counts

- Performing a daily "kick count" or using a "kick chart" is one way to track your baby's movement.
- Some doctors recommend kick counts and some doctors do not.
- In some cases (such as a high risk pregnancy), it may be more important to perform daily kick counts
- Research has shown that performing kick counts does not reduce stillbirths [Grant reference].

Kick Count Instructions

- Pick the time of the day that your baby is most active.
- Sit back in a comfortable chair or lay down on your left side in bed.
- Do this in a quiet room (no TV, cell phone, computer, or children).
- Count any baby movement (kicks, rolls, flutters). Count up to 10.
- Normal Kick Count: 5 or more in one hour or 10 or more in 2 hours.
- Low Kick Count: Less than 5 in one hour or less than 10 in 2 hours.

Increased Fetal Movement

- Usually, increased fetal activity is considered a positive sign of fetal well-being.
- Babies have regular periods during a day when their movements increase.
- Too much caffeine or sugar can possibly cause a baby to move more.
- Rarely, increased fetal movement can be a sign of fetal distress (hypoxia). Typically, in such a circumstance, the increased movement is followed by decreased fetal movement (e.g., a low kick

count). For an anxious mother, the simplest and safest thing to do is to refer her in to L&D for fetal monitoring or arrange a call with her PCP.

Calculating the Estimated Date of Delivery (EDD)

- EDB (estimated date of birth) and EDC (estimated date of confinement) mean the same thing as EDD.
- LNMP is the last normal menstrual period.
- Nagele's rule: EDD = (LNMP 3 months) + 7 days.

Calculating the Estimated Gestational Age (EGA)

- Gestational age is the number of weeks since the LNMP.
- A normal full-term pregnancy lasts 37-42 weeks.
- Wheel: Generally, the wheel is the best method for the triager to calculate the gestational age. The patient must be able to give you a relatively accurate LNMP. A wheel and a calculator are available on the internet at www.medcalc.com.
- **Ultrasound**: An ultrasound during early pregnancy can be very accurate in setting the EDD, if patient has had one performed and can remember the results.
- **Fundal height**: The top of the uterus can be palpated at the level of the navel at 20 weeks of gestational age.
- Fetal Heart Tones: Can be first heard with a doppler stethoscope at 10-12 weeks gestational age.

REFERENCES

- 1. Afors K, Chandraharan E. Use of continuous electronic fetal monitoring in a preterm fetus: clinical dilemmas and recommendations for practice. J Pregnancy. 2011;2011:848794.
- American College of Obstetricians and Gynecologists (ACOG) Frequently Asked Questions. FAQ 156. Pregnancy. Available at: http://www.acog.org/~/media/For%20Patients/faq156.pdf.
- American College of Obstetricians and Gynecologists (ACOG). Antepartum fetal surveillance. Number 9, October 1999 (replaces Technical Bulletin Number 188, January 1994). Clinical management guidelines for obstetrician-gynecologists. Int J Gynaecol Obstet. 2000;68(2):175-85.
- 4. American College of Obstetricians and Gynecologists. ACOG Practice Bulletin No. 70: Intrapartum fetal heart rate monitoring. Obstet Gynecol. 2005;106(6):1453-60.
- 5. American College of Obstetricians and Gynecologists. ACOG Practice Bulletin No. 106: Intrapartum fetal heart rate monitoring: nomenclature, interpretation, and general management principles. Obstet Gynecol. 2009 Jul;114(1):192-202.
- 6. American College of Obstetricians and Gynecologists. ACOG Practice Bulletin No. 80: premature rupture of membranes. Clinical management guidelines for obstetriciangynecologists. Obstet Gynecol. 2007 Apr;109(4):1007-19.
- 7. American College of Obstetrics and Gynecology Practice bulletin no. 145: antepartum fetal surveillance. Obstet Gynecol. 2014 Jul;124(1):182-92
- 8. Brown H. ACOG Guidelines at a Glance: Antepartum fetal surveillance. Contemp OB GYN. 2015.
- Christensen FC. Fetal movement counts. Obstet Gynecol Clin North Am. 1999;26(4):607-21.

- 10. Del Mar C, O'Connor V. Should we stop telling well pregnant women to monitor fetal movements? How to use and interpret guidelines. Br J Gen Pract. 2004 Nov;54(508):810.
- 11. Delaram M, Jafarzadeh L. The Effects of Fetal Movement Counting on Pregnancy Outcomes. J Clin Diagn Res. 2016 Feb;10(2):SC22-4.
- 12. Froen JF. A kick from within, fetal movement counting and the cancelled progress in antenatal care. J Perinat Med (2004) 32 : pp 13-24.
- 13. Global Health Council. Making Childbirth Safer; Through Promoting Evidenced-Based Care. Technical Report May 2002.
- 14. Grant A. Routine formal fetal movement counting and risk of antepartum late death in normally formed singletons. Lancet. 1989; 2(8659): 345-9.
- 15. Graves J. Preconceptual and prenatal care. Clin Fam Pract. 2000;2(2);467-483.
- 16. Herbert WN, Bruninghaus HM, Barefoot AB, Bright TG. Clinical aspects of fetal heart auscultation. Obstet Gynecol. 1987 Apr;69(4):574-7.
- 17. Holm Tveit JV, Saastad E, Stray-Pedersen B, Børdahl PE, Frøen JF. Maternal characteristics and pregnancy outcomes in women presenting with decreased fetal movements in late pregnancy. Acta Obstet Gynecol Scand. 2009;88(12):1345-51.
- 18. Liston R, Sawchuck D, Young D; Society of Obstetrics and Gynaecologists of Canada; British Columbia Perinatal Health Program. Fetal health surveillance: antepartum and intrapartum consensus guideline. J Obstet Gynaecol Can. 2007 Sep;29(9 Suppl 4):S3-56.
- 19. Mangesi L, Hofmeyr GJ, Smith V, Smyth RM. Fetal movement counting for assessment of fetal wellbeing. Cochrane Database Syst Rev. 2015 Oct 15;(10):CD004909.
- 20. Mangesi L, Hofmeyr GJ. Fetal movement counting for assessment of fetal wellbeing. Cochrane Database Syst Rev. 2007 Jan 24;(1):CD004909.
- 21. Moore TR, Piacquadio K. A prospective evaluation of fetal movement screening to reduce the incidence of antepartum fetal death. Am J Obstet Gynecol. 1989;160:1075.
- 22. Morgan MA, Goldenberg RL, Schulkin J. Obstetrician-gynecologists' practices regarding preterm birth at the limit of viability. J Matern Fetal Neonatal Med. 2008 Feb;21(2):115-21.
- 23. National Institute for Clinical Effectiveness. CG6 Antenatal care Routine care for health pregnant women, full guideline. Available at: http://www.nice.org.uk/page.aspx?o=93992. Last accessed December 2006.
- 24. Nuthalapaty F, Lu G, Ramin S, Nuthalapaty E, Ramin KD, Ramsey PS. Is there a preferred gestational age threshold of viability?: a survey of maternal-fetal medicine providers. J Matern Fetal Neonatal Med. 2007 Apr;20(4):293-7.
- 25. Phelan JP. Perinatal risk management: obstetric methods to prevent birth asphyxia. Clin Perinatol. 2005; 32(1): 1-17, v.
- 26. Saastad E, Froen JF. Reduced fetal movements--clinical management, recommendations and information. Tidsskr Nor Laegeforen. 2005 Oct 6;125(19):2627-30.
- 27. Salihu HM, Salinas-Miranda AA, Hill L, Chandler K. Survival of pre-viable preterm infants in the United States: a systematic review and meta-analysis. Semin Perinatol. 2013 Dec;37(6):389-400

- 28. Stacey D, et.al. Pan-Canadian Oncology Symptom Triage and Remote Support (COSTaRS) Steering Committee. Remote Symptom Protocols for Individuals Undergoing Cancer Treatment. University of Ottawa School of Nursing and the Canadian Partnership Against Cancer, Ottawa, Ontario, Canada, March 2012.
- 29. Velazquez MD, Rayburn WF. Antenatal evaluation of the fetus using fetal movement monitoring. Clin Obstet Gynecol. 2002;45(4):993-1004.
- 30. Winje BA, Saastad E, Gunnes N, Tveit JV, Stray-Pedersen B, Flenady V, Frøen JF. Analysis of 'count-to-ten' fetal movement charts: a prospective cohort study. BJOG. 2011 Sep;118(10):1229-38.
- 31. Witter F, Dipietro J, Costigan K, Nelson P. The relationship between hiccups and heart rate in the fetus. J Matern Fetal Neonatal Med. 2007;20(4):289.

AUTHOR AND COPYRIGHT

Author: David A. Thompson, MD, FACEP

Copyright: 2000-2019, LaGrange Medical Software, Inc.. All rights reserved.

Company: Schmitt-Thompson Clinical Content

Content Set: Office Hours Telephone Triage Protocols | Adult

Version Year: 2019

Last Revised: 5/12/2019 **Last Reviewed:** 3/15/2019