Section: Approval:	Division of	Nursing	* PRO	******** CEDURE * *******	Index: Page: Issue Date: Revised Date:	6160.058a 1 of 3 September 14 July 2011	I, 1992	
Originator: Revised by:	HACKETTSTOWN COMMUNITY HOSPITAL A. A. Beardsley, RN Catherine Burns, BSN, RNC  MATERNAL SERVICES  (Scope)  NON-STRESS TEST PROCEDURE							
TITLE:								
PURPOSE:			eps for a prelimina h week of gestation		fetal well-being. Crite	ria applies to fetu	ıses	
INTERPRETATION CRITERIA:		<ol> <li>A correlation established.</li> <li>NST can be patients with post-datism.</li> <li>A reactive N</li> <li>There are not fetus slow induces; an</li> <li>The fetus modern change, a mapplied to m</li> <li>Fetal mover</li> </ol>	used as a primar risk factors (i.e., ) IST presumes feta contraindication eeps for approxim awake fetus is may be stimulated I naternal ingestion	y screening tool an reported decrease at well-being for a 2 s for this procedure tately 20-40 minute ore likely to be reactly movement of the of a glucose contains the contains and the contains	e. e cycles. Therefore, t	tion has been  ng prenatal care in the destriction dia the test may take in the test may take in the test maternal position tory acoustic stimulice a versa. A reacheratic Amplitude	up to 80 nulator active	
		Non-reactive	110-160 BPM	< 5 BPM	< 2/10 minutes	< 15 BPM	< 15 sec	
EQUIPMENT:		Sinusoidal 110-160 BPM  1. Electronic Fetal Monitor 2. Fetal acoustic stimulator			Absent Absent this pattern displays baseline oscillations with an 5-15 BPM and duration of 2-6 BPM.			
CONTENT:		PROCEDURE STEPS:			KEY POINTS:			
		purpose of t system. 2. Place o	ourself to the patic est. Place patient order for Nonstress . Obtain specime ysis.	s name in CPN s Test in Cerner	Transfer name back to undelivered hold upon patients discharge from unit.			
		3. Instruct patient to provide a urine specimen.			Apply label to cup and send urine to lab for U/A. Document in CPN. May defer if patient provided specimen in clinic or office or within 24 hrs and was WNL.			

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 Explain procedure to patient. Place EFM per procedure with patient in semi-Fowler's position with left or right tilt maintained with pillow wedge to hip, or in recliner chair. Cover patient at appropriate for privacy.

5. Obtain maternal blood pressure and record in QS.

Obtain temperature depending on reason for testing (i.e. illness, increased FHR baseline).

Obtain patient history and document on NST form in CPN

Assess patient for oral intake as well as usual periods of fetal activity. If patient has not eaten within the last two hours, provide a drink and a high-protein snack for her to increase the possibility of a reactive tracing test.

7. Instruct the patient in the use of the remote marker. When she feels fetal movement, she should depress the button, which causes a mark to be placed on the fetal monitor tracing. Explain what this shows and why: i.e., rationale for test. Assess patient understanding of the procedure and anxiety level. Teach to patient needs. An important part of testing is to provide reassurance to the patient of fetal well-being. Patient should be reassured with questions answered.

 Following 20-30 minutes of a continuous tracing, interpret the tracing using a systematic review, following the criteria listed. It may be necessary to handhold monitors to obtain accurate, continuous tracings. An unsatisfactory test is one in which the quality of the tracing is not adequate for interpretation.

 If NST is reactive, fax Clinical Guidelines for NST Outpatient Procedure to providers office indicating interpretive criteria is reactive. If NST is nonreactive, consult provider for further instruction. A sample of the tracing may be faxed to office. NST is a preliminary assessment tool. Further testing may be ordered, i.e., fetal acoustic stimulation test, biophysical profile, etc. Explain everything that is happening to the patient in a positive frame work.

10. Patient may be discharged home as outpatient per provider's orders. Schedule for further testing per provider's orders prior to patient's leaving the unit. Instruct her regarding dates and time, etc. for further tests. The NST of the non-compromised preterm fetus (24-28 weeks gestation) is frequently nonreactive and up to 50% of NSTs may not be reactive from 28-32 weeks gestation.

 It may be necessary to reference prenatal history if available. Return to prenatal books upon patients discharge.

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## DOCUMENTATION:

- Document on the beginning of tracing in CPN:
   a. Patient's age, EDC, Gravida, Parity, Provider
  - b. Reason for testing

2. Document initiation of test in CPN NST annotation. Return to that form when test is completed to finish documentation.

To maintain thorough documentation

- Document fetal activity FHR response, etc. per EFM procedure into CPN. Also note provider notification/communication/orders.
- Apply patient id stickers to Clinical Guideline and charge form. Complete Obstetrical Charge Form. Indicate NST and place in box. Also apply one sticker in Unit Admissions Log book along with nst information.
- Document NST reason and test results in clinic chart if patient belongs to Healthstart. Enter note in the progress note section.

## REFERENCES:

Bonnie F. Chez, Carol J. Harvey, Michelle Murray, <u>Critical Concepts in Fetal Heart Rate Monitoring</u>, Baltimore; Williams, and Wilkins.

AWHONN Perinatal Nursing, 4<sup>nd</sup>. Edition, Simpson and Creehan (2008).