Section: Approval:	Division of Nursing	*********** * PROCEDURE * ***********	Index: Page: Issue Date: Revised Date:	6160.063a 1 of 3 September 23, 1993 August, 2005
		- IACKETTSTOWN COMMUNITY HOSF	PITAL	
Originator: Revised by:	R. Mitchell, RN C. Burns, RNC	MATERNAL SERVICES (Scope)		
TITLE:	CONTRACTION STRE	SS TEST (CST) VIA NIPPLE STIMULA	ATION	
PURPOSE:		edure to induce uterine activity in order the 38th week of pregnancy.	provide an assessme	nt of fetal well being
EQUIPMENT	 Outpatient Tes Antepartum Re Fetal Monitor Stethoscope Washcloths (o 			
CONTENT:	the QMI Archi	EPS: ent into the QS system. Refer to val procedure. rself to patient.	KEY POINTS: Only patients entered fetal monitor strip arc	d into the QS will have hived.
		nt to change into patient gown, if and provide urine specimen.	Send urine to Lab for	urinalysis.
	procedure. Ot baseline tracin	dure to patient. Attach EFM per otain a minimum of a 20 minute FHR g. Patient to assume semi-Fowler ft or right tilt maintained with a	Assess fetal position maneuver and asses back.	
	 Obtain materr system. 	nal vital signs and record in QS		
	6. Obtain patien in QS as appro	t history and document on chart and opriate.	and anxiety level. Te An important part of reassurance to the p	rstanding of procedure each to patient needs. testing is to provide atient of fetal well-being. assured with questions
		nt in the use of the "mark" button s fetal movement during the g.		
	and/or is havin had 3 contract minutes, or ha contact the phy	ine tracing. If the patient is in labor g spontaneous contractions, has ions of 40 seconds or more in 10 ving late or variable decelerations, ysician. Do not begin nipple valuate the tracing for accelerations.		

Index:	6160.063a	
Page:	2 of 3	
Revised Date:	August, 2005	

- 10. The patient should massage or roll or lightly brush her fingertips across the nipple of ONE breast using the palmar surface of the fingers.
 - a. Stimulate one nipple 2 min. and rest 2 min. If no contraction after 4 cycles -
 - b. Stimulate opposite nipple 2 min. and rest 2 min. If no contraction after 4 cycles -
 - c. Stimulate both nipples 2 min. and rest 2 min. If no contraction after 4 cycles -
 - d. Continuous stimulation of one nipple for 10 min.
- 11. Cease stimulation during contractions. Resume stimulation following contractions.
- 12. When bilateral stimulation fails to elicit contractions, warm washcloths may be applied.
- 13. If no contractions occur, or too few contractions occur after 30 minutes of stimulation, notify the provider.
- Remove washcloths and cease stimulation after 3 contractions in 10 minutes. Contractions should be palpable and last 40-60 seconds.
- 15. If provider is present, have him/her review tracing or review tracing and notify provider of findings and obtain orders.
- 16. Evaluate CST as follows: Negative CST: No late or significant variable decelerations. Positive CST (abnormal): Late deceleration after 50% of contractions. Equivocal or suspicious CST: Intermittent late or significant variable decelerations. Equivocal-Hyperstimulatory CST: FHR decelerations more frequent than q 2min or lasting longer then 90 seconds. Unsatisfactory CST: Fewer than 3 contractions per 10 minutes of quality of tracing inadequate for interpretation.
- 17. If test is negative, schedule the patient for future tests, as per the physician orders.

Titrate nipple stimulation based on contraction frequency. Intermittent stimulation is used to prevent hyperstimulation.

Nurse must be at bedside to initiate procedure. Provide privacy.

CSTs are evaluated according to the presence or absence of late decelerations.

A negative CST is reassuring and is associated with low fetal death rate within week of test. A positive CST requires further evaluation or birth.

Index:	6160.063a
Page:	3 of 3
Revised Date:	August, 2005

- 18. Discharge patient per provider orders.
- B. Contraindications:
 1. Preterm Premature Rupture of Membranes
 2. Classical uterine incision scar
 3. Placenta Previa

 - 4. Unexplained Vaginal Bleeding

Reference: <u>AWHONN Perinatal Nurisng</u>, Simpson & Creehan, 2001.