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Section: Approval:	Division	n of Nu	ursing	************* * PROCEDURE	*	Index: Page: Issue Date: Revised Date:	6160.034b 1 of 3 July 16, 1990 May 2011
			HACKETT	STOWN REGIONAL M	EDICAL CENTE	R	
Originator: Revised by:	nator: A. Beardsley, RNC sed by: C. Burns, RNC, BSN K. Rader, RN P. Swanson, RN, MSN						
				MATERNAL SERVI (Scope)	<u>CES</u>		
TITLE:	ΟΧΥΤΟ						
PURPOSE: Goal:		To d or au Effe hype	lefine the scope ugmentation of la ctive uterine acti erstimulation and	of nursing practice relat abor. ivity sufficient to provide I fetal compromise.	ed to care of pa	tients receiving (Oxytocin for induction
LEVELS:			Independent	<u>X</u> Interdepend	dentC	ependent	
SUPPORTIVE D	ATA:	A.	Physiological Ba	asis for Oxytocin Use			
		В.	 Oxytocin is a hypothalamu Oxytocin bin myometrium Endogenous effect on the 1991) Uterine muse and then onl result in hypothesis a. Cardiac of elevated b. Anti-diure fluid over Factors that area, parity Indications for Of Those pregnand and for whom in labor. 	an endogenous (naturall us and released from the ids to membrane recept and mammary epithelius oxytocin serves a dual myometrium and stimu cle becomes susceptible y minute amounts of it a er contractility. o has pronounced cardi output and stroke volum maternal blood pressur- etic effect can cause dea load. may influence the dose y week of pregnancy du <u>Dxytocin Administration</u> cies at or near term for v induction/augmentation is	ly occurring) hor e posterior lobe ors in the primar um. ¹ role: initiating la lating prostaglar e to Oxytocin's e are needed to ca ovascular and re e are increased e. creased urinary response to Ox ration and cervic which delivery is s not contraindic	mone that is syr of the pituitary g y target sites; i.e abor contraction ndin synthesis by effect only as the suse contractility enal effects: thereby increas output which incr ytocin include m cal status. medically/obste ated, and for pro	hthesized in the land. Once released, e., the uterine s through its direct y the decidua. (Mercer, e pregnancy nears term, . Higher doses can ing potential for creases potential for laternal body surface trically indicated blonged 2 nd stage of
		C.	Contraindication macrosomia; pla fetal heart tracin	ns for Oxytocin Administ acenta previa; placenta ng; vasa previa; cord pre	ration Include: abruption; prior esentation; active	known CPD; feta uterine incision; e herpes; invasiv	al malpresentation; fetal and non-reassuring ve cervical cancer.
		D.	 Physician/Midwi Provider to e (NJ DOH lice Provider wil document m Provider wil type of I.V. s from pharma started at an 	ife Role in Oxytocin Adn examine patient within o ensing regulation 8:43G I document exam/asses redical indication for oxy I utilize standing orders solutions to be used for r acy in a standard concer-	ninistration: ne hour prior to -19.11 (d)). sment findings of tocin use. for oxytocin adn mainline I.V. and htration; amount te (dose) increase	the start of Oxyt on the patient ch ninistration that i I for Pitocin mixt (rate/dose) that	ocin administration. hart, and will also includes amount and ure which is premixed infusion is to be

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maintained (if reached prior to onset of labor contractions.)

4. The provider must be "readily accessible" during Oxytocin administration.

CONTENT:

NURSING COMPETENCIES INITIATION PHASE: A.

All patients will be assessed per unit procedures prior to Pitocin start, and continuously cared for by an RN.

- B. Electronic fetal monitoring protocol and procedure will be initiated at least 20 to 30 minutes prior to the start of Oxytocin and will be maintained throughout the duration of labor/Oxytocin infusion. Telemetry unit may be utilized. If cervidil has been utilized, oxytocin infusion should not be initiated until thirty minutes after it has been removed.
- C. I.V. protocol will be initiated for the start of the mainline I.V. fluids and for maintenance of the I.V. device site.
 - Rationale: adequate hydration increase skeletal muscle performance. IV site must be maintained for adequate infusion and for access in the event of emergency.
 - 1. A large bore I.V. device will be used per unit standards (number 18 or greater); attach extension set for subsequent ease to convert to saline lock.
 - 2. A physiologic electrolyte solution (non dextrose containing) should be ordered for I.V. Solutions; for example: Lactated Ringers
 - 3. Initiate intake and output monitoring and record in CPN system.
- D. Oxytocin administration procedure initiated:
 - 1. Oxytocin infused via IV pump. Devise must be set for the specific administration of Oxytocin/Pitocin, chosen from pump's medication library.
 - 2. Oxytocin infused IVPB into the portal site closest to the I.V. insertion site.
 - 3. All other medications will be given IM or I.V. through mainline I.V. tubing portal sites

DOSAGE INCREASE MAINTENANCE PHASE: 1.

<u>NCE PHASE</u>: 1. Patient will be assessed for both her and her fetuses' response with each dose increase or every 15 minutes, whichever is the shorter interval, for the following:

A. Maternal Status/Response to Oxytocin

- 1. Uterine contractions for effective labor:
 - a. Should be no more than every 2 to 3 minutes in frequency.
 - b. Should last no longer than 90 seconds.
 - c. Should have good uterine resting tone between contractions.
- 2. Uterine response will be evaluated by:
 - a. Observation and evaluation of fetal monitoring tracing on CPN.
 - b. Palpation of fundus both during a contraction and after.
 - c. Observation of maternal response to intensity, duration, and frequency of contractions, including her perception of uterine resting phase.
- 3. Uterine tachysystole: >5 contractions in 10 minutes, averaged over 30 minutes. (AWHONN recommendation)
- 4. Maternal physiological status will be monitored by:
 - a. Monitoring blood pressure and pulse with each oxytocin rate/dose increase; then

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every one-half hour when at maintenance rate.

- Monitor intake and output (patient at risk for water intoxication) throughout I.V.
 Oxytocin infusion. Notify the patient care provider if urinary output observed to be < 30 cc/hr.
- B. Fetal Status/Response to Oxytocin
 - 1. Monitor fetal status per fetal monitoring protocol.
 - 2. In the event of non-reassuring fetal heart rate changes:
 - a. Discontinue oxytocin therapy immediately.
 - b. Institute Emergency procedures to initiate intrauterine resuscitation:
 - 1. Administer oxygen to mother via NRBM
 - 2. Maternal position changes
 - 3. IV fluid bolus
 - c. Follow fetal monitoring protocol.
 - d. Notify patient care provider.
- DOCUMENTATION: 1. Document maternal responses per Oxytocin protocol.
 - 2. Document fetal responses per fetal monitoring protocol.
 - 3. Utilize QS system for labor annotations, document I&O in Cerner power chart.
- PATIENT TEACHING: 1. Answer patient questions and concerns.
 - 2. Instruct on procedures; i.e., I&O, I.V., fetal monitor.
 - 3. Inform patient on changing character of labor with Oxytocin.
 - 4. Reassure patient regarding pain relief. Offer alternate methods of pain relief, i.e. ambulation, hydrotherapy, massage, heat/cold pack applications, labor ball, rocking chair, frequent position changes.
 - 5. Offer reassurance and emotional support as labor progresses.

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