ection: Division of Nursing oproval:		**************************************	Index: Page: Issue Date: Reviewed Date:	7420.006a 1 of 2 December 23, 1992 April 9, 2010	
	HACKETT	STOWN REGIONAL MEDICAL		7 pm 3, 2010	
Originator: Reviewed by:	C. Reamer, RN ML Mason RN	OTOWN NEGIONAL MEDICAL	COLNTEN		
		<u>OR</u> (Scope)			
TITLE:	APPLICATION OF PNEUMATIC TOURNIQUET				
PURPOSE:	To outline procedure for proper application of the pneumatic tourniquet.				
SUPPORTIVE DATA:	Pneumatic tourniquets are used in the OR for surgical procedures on extremities to maintain a relatively dry, bloodless surgical site. May also be used in the administration of bier block.				
EQUIPMENT LIST:	Webril, Tourniquet U	nit, appropriate sized cuff, 101	0 drape tubing for to	ourniquet.	
CONTENT:	PROCEDURE STEPS:		KEY POINTS	KEY POINTS:	
		t for worn tubing or parts. Pay to check for cracked O-rings.	Worn parts n	nay cause loss of pressure.	
	2. Select appropria	te cuff for size of limb.		erlap by at least two inches. niquet is used for bier block.	
	3. Explain procedu	 Explain procedure to patient (if awake). Note skin integrity before applying cuff and document on operative record. Pad limb with thin layer of webril. Use size appropriate for cuff selected. 			
				Provides data for later comparison. Webril must be smooth and free of lumps.	
		e sure coupling on cuff are	moving cuff t	Cuff must encircle limb firmly. Avoid moving cuff to prevent shearing of tissue. Cuff must over lap by at least 2 inches.	
		se to operative site, isolate cuf y applying a 1010 drape.	•	amination of cuff and ep solution under cuff.	
	AORN Guideline 50 to 75 mm blood press adult patier 100 to 150 r blood press adult patier 100mm Hg	n Hg to the patient's systolic sure for the upper extremities onts. mm Hg to the patient's systolic sure for the lower extremities o	is activated.	ust pressure after machine	
	9. Press the inflate	button when surgeon indicate		is on , do not change until e cuff by surgeon.	

10. Verbally and audibly state time and pressure setting of cuff.

To confirm setting with physician.

11. Audibly state tourniquet length time after one (1) hour.

To remind surgeon of tourniquet time.

- 12. Deflate cuff when physician orders.
- 13. Remove tourniquet and padding.
- 14. Check skin integrity.
- 15. Record on electronic record:
 - a. Location of tourniquet cuff
 - b. Pressure setting
 - c. time inflated

 - d. Time deflated
 e. Tourniquet number
 f. Abnormalities noted, if any document under comments.

Usually after compression dressing in place.

AORN Standards Recommended Practices, and Guidelines Manual (2004 Edition).

Zimmer ATS 2000. Tourniquet Instruction

- Zimmer Patient Care Division, Dover, Ohio