

**ELECTRONIC GUIDE TO THESES APPROVED BY  
PHYSICAL THERAPY DEPARTMENT FOR NEUROMUSCULAR  
AND NEUROSURGICAL DISORDER AND ITS SURGERY  
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## **Physical Therapy Department for Neuromuscular and Neurosurgical Disorder and Its Surgery**

**Doctoral Degree  
1999**

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<b>Title</b>	:	<b>Influence of cervical traction on vertebrobasilar insufficiency secondary to cervical spondylosis.</b>
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<b>Abstract</b>	:	
<p>The purpose of this study was to investigate the effect of two different types of cervical traction on vertebrobasilar insufficiency secondary to cervical spondylosis . sixty patients were participated in this study and classified randomly into three groups of equal size . Each group received hot pack and special exercises program . The first and second groups treated also with cervical traction (Continuous and intermittent respectively) . Pulsed Doppler ultrasonography was used to investigate vertebral artery blood flow velocities before and after treatment . the results revealed that cervical traction either continuous or intermittent was effective method for reduction of neck pain , vertigo and vertebral artery blood flow velocities , however the intermittent type had more significant effect . This study supported the indication of cervical traction in treatment of vertebrobasilar insufficiency secondary to cervical spondylosis .</p>		
<b>Key words</b>	1.	<b>cervical traction.</b>
	2.	<b>vertebrobasilar insufficiency secondary.</b>
	3.	<b>cervical spondylosis.</b>
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