VBI Screening Tests

Patient name:	Age:
Examiner:	Date:
Vertebral basilar insufficiency (VBI) is a condition in which there is reduced blood flow to the back part of the brain, known as the vertebrobasilar system. This can lead to various symptoms, such as dizziness, headaches, and difficulty with balance and coordination. The following are some of the most common tests used to help assess VBI. Please check the test/s you performed and choose the corresponding results from the options provided. Use the Additional Notes section to record any further details.	
Vertebral artery test	
 Place the patient in a supine position and perform a passiv head and neck. Perform passive rotation of the neck to the same side and Repeat the test with head movement to the opposite side. Observe for dropping of the arms, loss of balance, or prona indicates decreased blood supply to the brain. 	hold for approximately 30 seconds.
Performed? Yes No	
Interpretation:	
Positive test: A positive test result suggests a decrease in possible VBI. Negative test: A negative test result indicates normal block testing is needed to rule out VBI.	_
Modified vertebral artery test	
 Rotate the patient's head to the opposite side of the tested seconds. Return the patient's head to a neutral position for 10 secon 3. Extend the patient's head for 10 seconds. Return the patient's head to a neutral position for 10 secon 5. Extend and rotate the patient's head (against the opposite seconds. 	ds.
Performed? Yes No	
Interpretation:	
 Positive test: The patient experiences dizziness, vertigo, symptoms during the test. This indicates a possible VBI. Negative test: The patient does not experience any of the However, further testing is needed to rule out VBI. 	

 Position the patient in a supine lying position with the head above the edge of the table. Support the patient's head. Rotate the patient's head submaximally to one side. Bring the patient's head into extension. Hold this position for 30 seconds. Talk to the patient or have them count to 20 to observe for changes in speech. Monitor the patient's eyes for any signs of nystagmus.
Performed? Yes No
Interpretation:
Positive test: The patient experiences dizziness, vertigo, nystagmus, or other neurological symptoms during the test. This indicates a possible VBI.
Negative test: The patient does not experience any of these symptoms during the test. However, further testing is needed to rule out VBI.
Additional notes
Healthcare professional's information
Name:
License number:
Contact details:
Signature:

Extension rotation test

Physiopedia. (n.d.). Vertebral artery test. https://www.physio-pedia.com/Vertebral_Artery_Test

Physiotutors. (n.d.). *Extension rotation test* | *vertebrobasilar insufficiency (VBI)*. https://www.physiotutors.com/wiki/extension-rotation-test/