Resource Summary Report

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NIH Toolbox Dynamic Visual Acuity Test

RRID:SCR_003640
Type: Tool

Proper Citation

NIH Toolbox Dynamic Visual Acuity Test (RRID:SCR_003640)

Resource Information

URL: http://www.nihtoolbox.org/WhatAndWhy/Sensation/Vestibular/Pages/NIH-Toolbox-Dynamic-Visual-Acuity-Test-.aspx

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Description: Assessment test that is a measure of gaze stability, which helps identify individuals who may have a deficit of the vestibular system (which regulates internal balance). The NIH Toolbox Visual Acuity Test must be administered followed by the DVA Test. Participants are seated 12.5 feet from a computer monitor at eye level. For the DVA Test, participants wear lightweight headgear that contains a rate sensor, and are asked to move the head back and forth, as if saying no. Once the head is measured to be moving at greater than 180 degrees per second, an optotype flashes on the monitor, and the participant is asked to identify it. Smaller optotypes are displayed as the participant correctly identifies letters, and larger ones are displayed if the participant cannot correctly identify the letter shown, until the computer has calculated the smallest size that the participant can see with the head moving. This is calculated separately for head rotation leftward and rightward from center (though the participant continues shaking the head both ways), and this performance is compared to the participant's visual acuity when the head was stationary (the NIH Toolbox Visual Acuity Test score, sometimes referred to as static visual acuity in the context of the DVA test). The difference between static and dynamic visual acuity represents the vestibular contribution to gaze stability. The DVA Test takes approximately six minutes to administer and is recommended for ages 3-85.

Abbreviations: DVA Test

Synonyms: Dynamic Visual Acuity Test

Resource Type: assessment test provider, material resource

Keywords: sensation, vestibular, vestibular system, gaze, vision, eye, balance

Funding:

Resource Name: NIH Toolbox Dynamic Visual Acuity Test

Resource ID: SCR_003640

Alternate IDs: nlx_157790

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Ratings and Alerts

No rating or validation information has been found for NIH Toolbox Dynamic Visual Acuity Test.

No alerts have been found for NIH Toolbox Dynamic Visual Acuity Test.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.