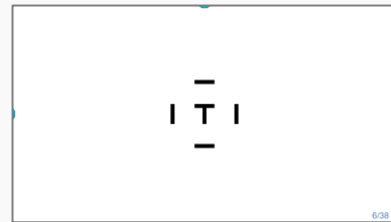


VA Testing Protocol (≤ 8 years old) (Symmetrical)

Verify the Optonet Vision Unit is calibrated correctly and establish the appropriate viewing distance (recommended 3 m). Leave the room's lights on and select the Symmetrical VA chart. Prior to VA testing, use a "Matching Card" to teach the child to point to the same letter held or shown by the examiner (this training could also be carried out with a digital animation: <https://optonet.co.uk/practice-visual-acuity/>)

1

Isolate a single letter and introduce the contour interaction bars (by pressing the right arrow \rightarrow and "C" keys). Ask the child to read isolated letters in successive order, decreasing size until an error is made. Use the \uparrow and \downarrow arrow keys to change the size.



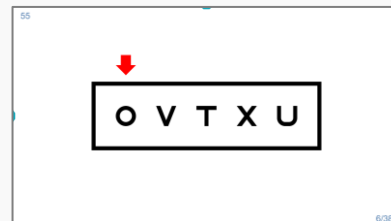
2

Press the "Enter" (or "R") key to show a row of letters and ask the child to read the whole preceding row by pressing the \uparrow key. The patient is expected to read all letters correctly in this first row. Otherwise, ask the child to read the next row up. Click on the \rightarrow or \leftarrow arrows to indicate each letter with a red arrow.



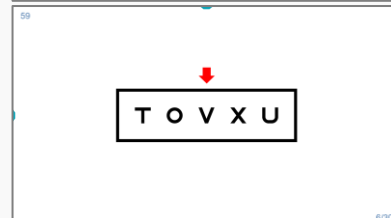
3

Count the number of letters correctly identified (it is expected to be five letters) and then press the number 5 on the keyboard. The next row of letters will be shown automatically.



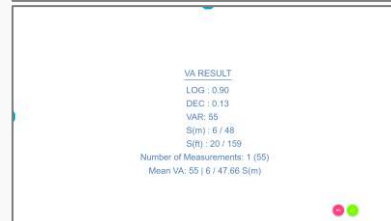
4

Ask the child to read the new row, count the number of letters correctly identified and press the appropriate number on the computer keyboard (from 0 to 5).



5

Repeat the previous step until the Optonet Vision Unit displays the VA result, i.e., when the number 1 or 0 is pressed, or when the last row is reached: VA: 6/3 (20/10).



If you wish to repeat the measurement, press the "Enter" key and the program will directly show the row of letters where the measurement started before, to speed up the process. If you take several measurements, the program will automatically calculate the Mean and Standard Deviation values for greater accuracy.



Encourage the child to guess even if not sure of any letter.

Remember to monitor patient's facial expressions and head position and avoid the patient to screw their eyes.