



The Fast Acuity Screening Test is an age-dependent, quick technique that uses Surround, Symmetric letters to specifically identify treatable amblyopia using a home computer. The FAST complies with the American Academy of Pediatrics (AAP) critical-line, acuity screening guidelines, especially when monocular testing is assured with an occlusion patch.

Calibrate your testing distance based on the width (w in millimeters) of the familiarization-sized letter "H." Your testing distance d in feet can be found by the formula: $d = 10 \times (w/21.5)$ for children less than 6 years old. For children 6 and older, use the formula: $d = 12.5 \times (w/21.5)$. For most computer screens, a child less than 6 is tested at 10 feet (3.05 meters) whereas a child 6 and older is tested at 12.5 feet (3.81 meters). From an iPhone it is 2 ft 5".

Familiarize the child with the matching card and large letters- near the computer and then at the testing distance.

Assure that the child cannot peek during testing with an adhesive patch over the non-tested eye. Present two or three smaller "20/40" surround letters. Encourage without advice. Determine whether the child says, or matches the correct letter. The child fails, or needs referral if more than one are missed per eye.

Patch the opposite eye and repeat. If two out of three correct letters per eye- then the child passes. If more than one wrong on either eye, the child did not pass and should have referral for a confirmatory eye examination by an eye doctor familiar with children.

