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Stereo Smile Stereoacuity SCREENING Procedure



What Are You Testing?

Stereoacuity testing checks how well the child's two eyes work together.

What You Need to Do the Test:

1. A Demo card (Card A), 3 Stereo Smile Stereoacuity cards (Cards B, C, and D) and a BLANK card.

Card A = Demo
Card B = 480 sec arc
Card C = 240 sec arc
Card D = 120 sec arc
BLANK Card

2. Two marks on the wall (or floor, depending on set-up location), 40 cm apart and at the same height. One mark indicates the location of the child's eyes; the other mark indicates the location of the test cards.
3. Measuring tape and masking tape in case test distance must be marked.
4. One pair of Magic (Stereo) sunglasses.

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5. small hand-held mirror.
6. Chairs for the child and examiner.
7. A light meter.
8. A data sheet, ID labels, an electronic time stamp, and a pen.

Getting Ready:

1. Use the light meter to check the cards. Hold one of the cards as it will be held when testing. Place the light meter on the card with the white sensor facing out (where the child would be sitting). Look at the reading on the light meter. Remember the number. The number on the light meter should be above 297 lux.
2. Select the child's ID label and place it on the data sheet.
3. Arrange the examiner's chair in front of the child's chair so that the cards can easily be held at a 40 cm distance from the child at his/her eye level.
4. Have the child choose a pair of Magic (Stereo) sunglasses. (Children wearing glasses should not wear his/her own eyeglasses; they should wear **only** the Magic Stereo sunglasses for this test.)
5. Hold a hand mirror so the child can admire him/herself with the glasses on to help improve behavior and testability.
6. Card A is for training purposes and to determine if the child understands the task. The smiley face is easy to see even if the child's eyes are not working together.
7. It is more difficult to see the smiley face on testing Cards B, C, and D. The BLANK Card has no smile face visible with or without stereo glasses.

How You Hold the Cards:

1. Hold the BLANK Card at exactly the same distance and angle from the child as Card A, B, C, or D.
2. Be sure to hold only the edges of the cards.
3. Be sure the cards are tilted slightly backwards at the top, but are not tilted to the left or right.
4. Be sure that there is not glare or shadow on the cards.

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How You Do the Test:

1. Stamp the start time with the electronic stamp in the appropriate box on the data sheet when you start the test. Press firmly and let go when the stamp stops printing by itself.
2. The child should sit back in his/her chair, with eyes lined up with the mark on the wall.
3. Show **Card A** (training card) to the child. Tell the child to point to the smiley face.
4. Hold **Card A** (training card) and the **BLANK Card** side by side in front of the child, even with the mark on the wall.
5. Ask the child to point to the smiley face. Shuffle the cards on your lap so as to randomly change the position of the smile so that **Card A** could be either to the right, left, up or down.
6. Repeat this procedure a maximum of **5** times. Vary the position of the smile face on each trial, taking care not to present the cards in a pattern (i.e. not R, L, R, L)
7. If the child does not give at least 4 correct responses with **Card A** and the **BLANK Card**, (2 errors on up to 5 presentations) stop testing and mark "**Unable**" on the data sheet.
8. If the child gives a correct response on 4 of 4 presentations or at least 4 of 5 presentations, **replace Card A with Card B**. The testing procedure then continues in the same manner as the training. Begin testing with **Card B** and the **BLANK Card**.
9. The **BLANK Card** is always used throughout the procedure with one of the other cards.
10. With **Card B** and the **BLANK Card**, the child must correctly locate the smiley face on at least 4 out of a maximum of 5 trials.
11. If the child misses one presentation, you may show the child the demonstration card again and remind him/her what to look for. If the child is still unable to accurately determine the location of the smiley face, stop the test.
12. If the child answers incorrectly 2 times on Card B, do **not** continue with Card C.
13. If the child is successful on Card B, **replace Card B with Card C** and retest in the same manner (using Card C and the BLANK card).

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14. If the child is successful on Card C, **replace Card C with Card D** and retest in the same manner (using Card D and the BLANK card).
15. Discontinue testing at any card where the child is unable to correctly locate the smiley face 4 out of a maximum of 5 presentations (2 errors on up to 5 presentations).
16. Wipe the ear pieces and nose area of the glasses with an antibacterial wipe.

What You Tell the Child:

1. Say to the child: "One of these cards has a smiley face on it. Can you point to it?"
2. Provide instruction and encouragement to the child, as needed. Because it takes a few seconds to see the stereo smiley face, you need to encourage the child to keep looking at the cards. You can tell the child the "smiley face" is hiding and that they need to look hard to find it.
3. Smile stickers may be used to encourage the child to participate.
4. Encourage the child by saying "Good job!" even if the child locates the smiley face incorrectly.

What You Write Down:

Training:

1. Stamp the start time with the electronic stamp in the appropriate box on the data sheet when you start the Stereo Smile. Press firmly and let go when the stamp stops printing by itself.

Start Time Stamp

2. If the child is unable to locate the smiley face on Card A 4 times, mark "**Unable**" in the item **#S2**.
3. If the child refuses to wear the Magic (Stereo) sunglasses, mark "**Unable**" in the item **#S2**.

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Testing/Scoring:

1. Mark “**unable**” if the child was unable to find the smiley face on Card A **4** times or mark the last presentation with **4** correct in the item **#S2**.

S2 Indicate last card with 4 correct

Unable to do Card A ()
Card A ()
Card B ()
Card C ()
Card D ()

2. Mark incomplete if the testing was interrupted and not completed for any reason.
For example:

incomplete if the child got 4 correct on Card A but did not miss 2 **and** did not get 4 correct on Card B.

OR,

incomplete if the child got 4 correct on Card B but did not miss 2 **and** did not get 4 correct on Card C.

OR,

incomplete if the child got 4 correct on Card C but did not miss 2 **and** did not get 4 correct on Card D.

Remember!

1. Make sure you put the ID label on the form.
2. Make sure to stamp the start time and end time on the form.
3. Make sure that the light meter reading is above 297 lux.
4. The child is unable to do the test if he/she cannot locate the smiley face on the demonstration card on at least 4 of 5 presentations or refuses to wear the Magic (Stereo) sunglasses.
5. Show each smiley face card no more than 5 times (4 out of 4 or 4 out of 5 to pass).

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- 6.** Do not tell the child he/she gave the wrong answer. Say “Good job!” no matter what the child answers.

- 7.** Wipe off the temples and bridge of the glasses with antibacterial wipes.

VIP Study Group