

Stereo Acuity Testing

**Purpose:**

Assess for defects in depth perception (stereopsis).

Equipment:

Stereopsis test book, polarized glasses, and knowledge of correct test answers.

Notes:

Test with the patient's best correction, if applicable. Room lights should be on.

Cautions & Interferences:

1. Know the correct answers, especially for the 9 circles, to assess accuracy.
2. Use best corrected vision.
3. Provide clear instructions to ensure valid results.

Testing Process:

Have the patient wear polarized glasses over their correction.

Hold the book about 16 inches away—angled (not flat) to allow proper stereo viewing. The patient may hold the book, but it's often easier if they don't.

Fly Test:

- Direct the patient to look at the fly on the right side of the book.
- Ask them to grab or pinch the wings.
- The wings should appear elevated; if they touch the page while trying, they likely don't perceive the depth.
- If unsure, ask if the wings appear off the page. If they say no, the patient did not pass the Fly Test.

Animal & Circle Stereopsis Tests (Concise Version):

- Animal Test:
- Have the patient wear polarized glasses over correction.
- Ask them to point to the animal that appears closer or "off the page" in:
- Row A (Answer: Cat – 2nd)
- Row B (Answer: Rabbit – 4th)
- Row C (Answer: Monkey – 3rd)
- Score out of 3 (e.g., 3/3).



Circle Test:

- Point to each diamond of 4 circles. For each, ask the patient to touch the circle that appears closer or “off the page.”
- Lead them verbally: “Now number 2, now number 3,” etc., to track and confirm accuracy.
- Score out of 9 (e.g., 7/9).
- Answer key:
 - Bottom
 - Left
 - Bottom
 - Top
 - Top
 - Left
 - Right
 - Left
 - Right



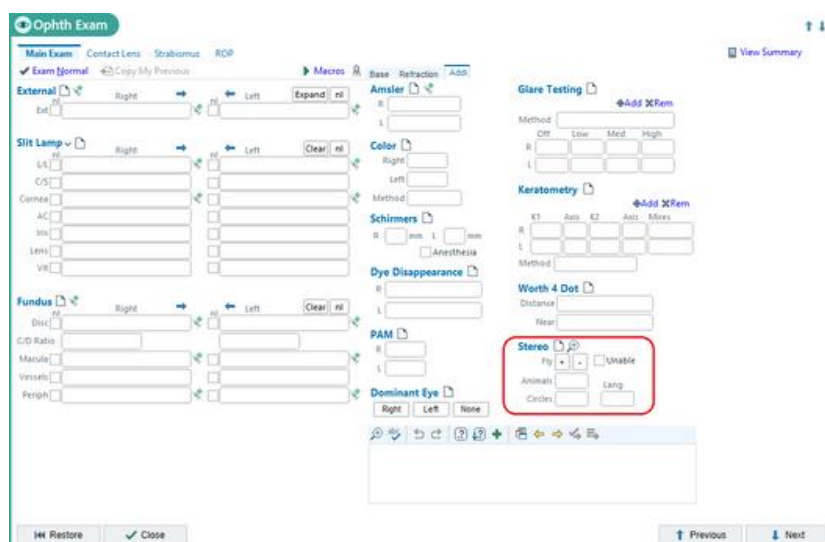
Tips:

- Most books have answers on the back, but you can also note them for reference or check using glasses yourself (if you have stereo vision).
- Fly Test is graded + or -. If failed, stop; patient is unlikely to pass more sensitive stereopsis tests.

Documentation:

Documenting stereo acuity testing in Epic is done under “Stereo” in the Ophthalmology Exam, which is located in the Screen/Assess tab on the left hand side.

You can also document any notes in the ‘Note’ section.



The screenshot shows the Epic Ophthalmology Exam form. The 'Stereo' section is highlighted with a red box, showing options for 'Fly', 'Animals', and 'Circles'. The 'Fly' option is selected, and the 'Animals' and 'Circles' options are also visible. The 'Stereo' section is located in the bottom right corner of the form.