



Optical instruments

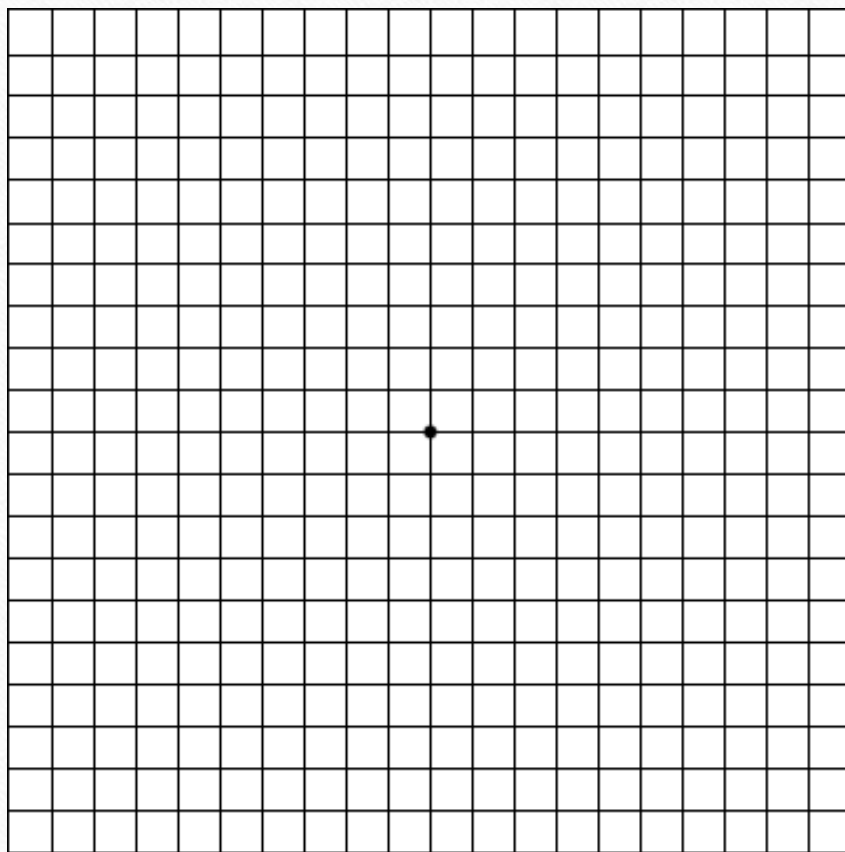
Lecture 4- Amsler grid test

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Amsler grid test

The Amsler grid is used to check whether lines look wavy or distorted, or whether areas of the visual field are missing.

It is use to detect vision problems resulting from damage to the macula (macular degeneration) or the optic nerve.



What is consist

A Swiss ophthalmologist named Marc Amsler first developed the grid in 1947.

The basic Amsler grid is a 10-centimeter by 10-centimeter square filled with evenly spaced straight lines in a grid pattern.

The lines form very small squares that measure 5 millimeters on each side. There's a dot to mark the center.

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- A healthy contrast sensitivity level lets you enjoy better vision in various aspects, such as having a normal visual field. Your ability to detect motion and determine distance is within normal levels, too.
 - Your eyes can adapt to poor lit-condition and darkness. You can also easily recognize patterns, symbols and signs.

caused by

- ✓ Glaucoma
- ✓ Diabetes
- ✓ Cataract
- ✓ Age

Cont.

Ideally, all lines will appear to be parallel.

If the lines appear distorted or disappear, you should mark the areas where these were noted.

You can do this by noting the number of squares between the dot and the abnormality while you are doing the test.

