



Optical instruments

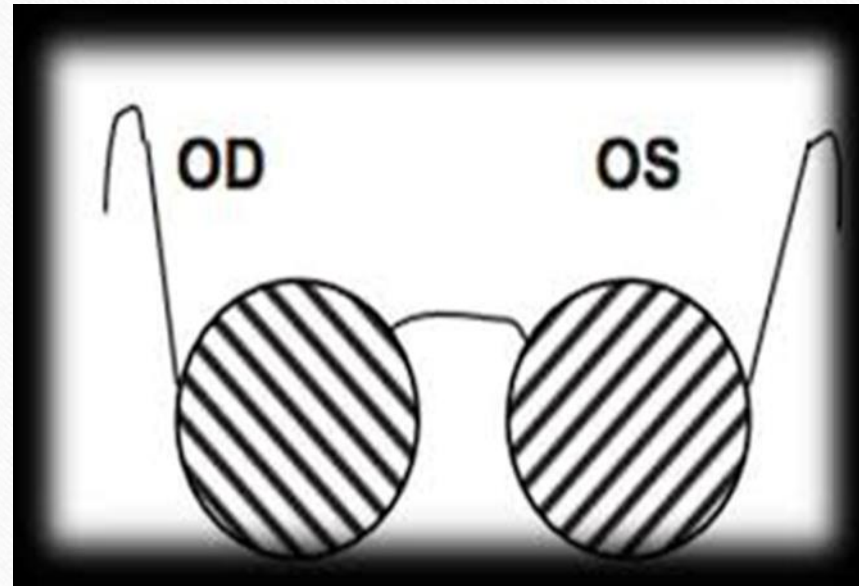
Lecture 6

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Bagolini striated glasses

are plano lenses with narrow fine striations, it is subjective clinical test does not affect the vision or the accommodation of the patient, to check binocular vision in normal conditions of seeing in a rapid, easy, manner and to estimate the possibility of its clinical use in screening the binocular visual field of patients.

A disadvantage: it is difficult for young children to appreciate because it requires reliable subjective responses



Usage

This test is used to detect the presence and extent of binocular function such as :

retinal correspondence (RC), diplopia, suppression and manifest deviation

Consist of

The Bagolini striated glass test consists of plano lenses with imperceptible parallel scratches that barely blur the environment but produce two perpendicular luminous stripes (right eye stripe of 45° and left eye stripe of 135°)

How to do the test

The glasses are placed in trial frame in front of the corrected lenses

The axis of striation is oriented at right eye 135° and left eye 45° and the examinee perceives perpendicular luminous stripes oriented at 45° right eye and 135° left eye.

We prefer to perform the examination in a dark room.

The examination distance most often used is 33 cm (30°) because the luminous stripes then extend over the board and stretch in the background to the limit that the retina can perceive. The subject is asked to fixate on the center light and to describe or draw the pattern they see.

The result

When subjects with normal binocular vision view one light source the subject is asked to fixate upon the center light.

When a patient sees X and the light in the center, he has (A) orthophoria

When a patient sees only one line at a time, the patient is suppressing.

(B) suppression of RE, (C) suppression of LE

When a patient sees A or V shape, he has squint

(D) Un-crossed diplopía (esotropia), (E) crossed diplopía (exotropia), and (F) central scotoma without squint.

