



Optical instruments

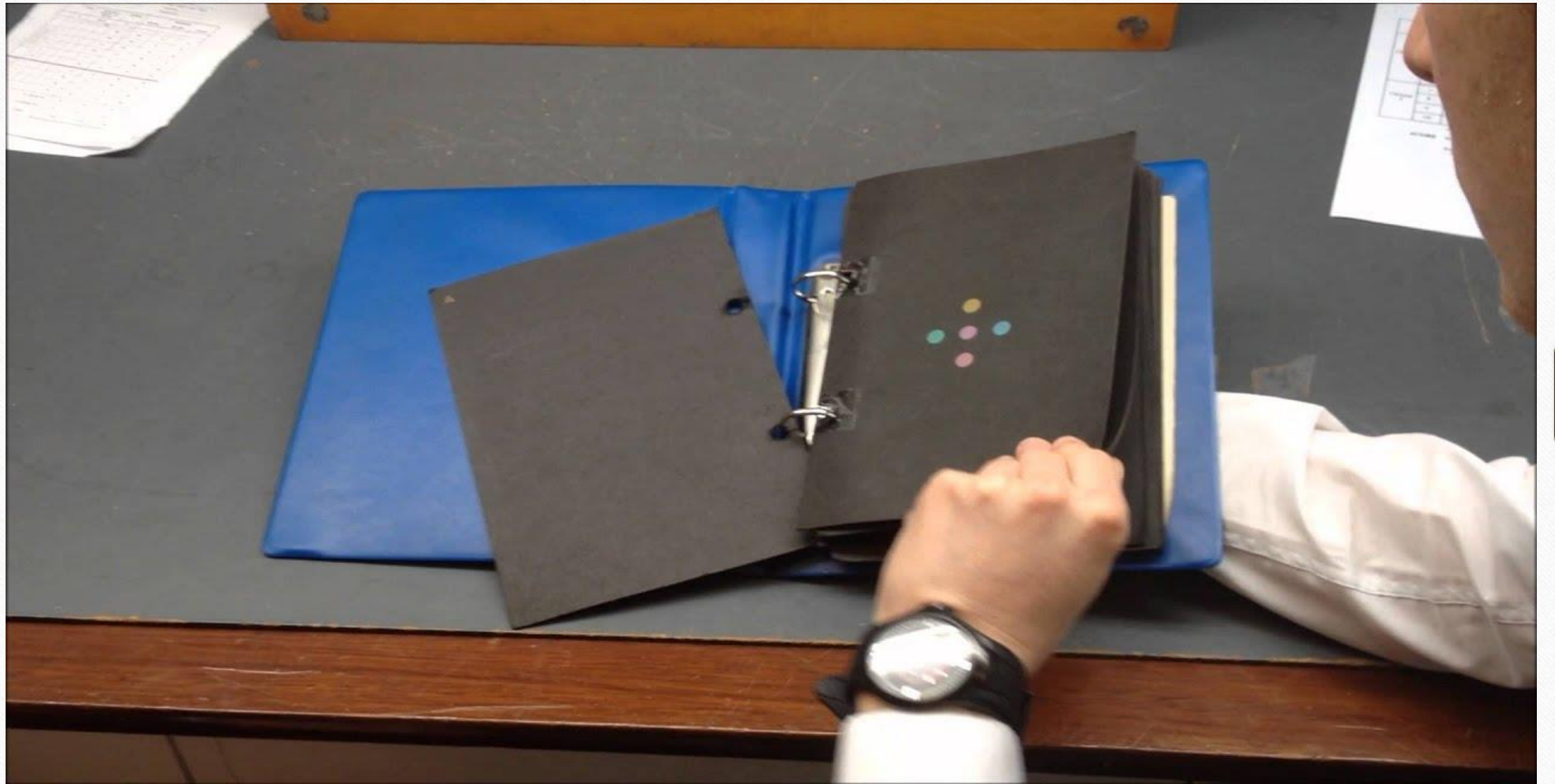
City University Test

M.Sc Noor Khamees

City University Test

(CUT) 2nd edition contains ten test pages. Each page has a central reference color and four surrounding test colors.

This test may be performed monocular or binocular depending on the type of color vision defect suspected (congenital defects are usually bilateral and symmetrical, hence the test may be performed binocularly)



Cont.

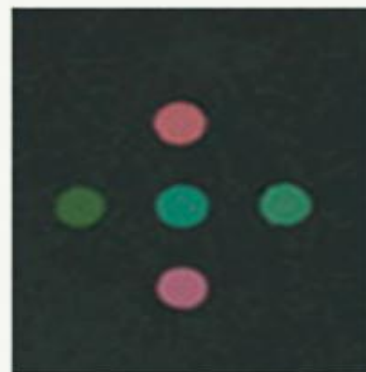
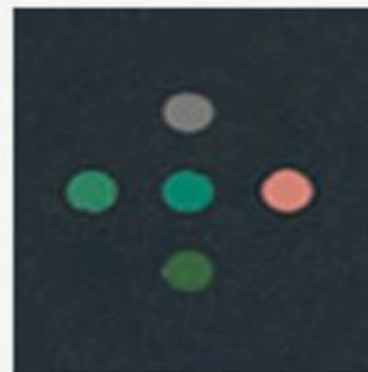
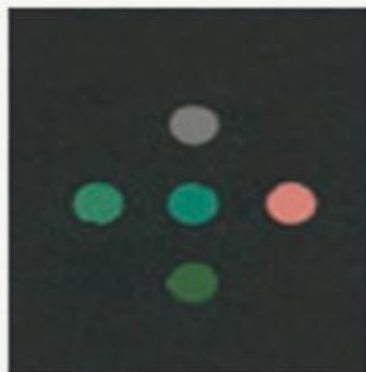
If possible the test should be performed under a daylight globe.

According to the instruction booklet patients should be given three seconds per plate, thus to perform the test monocularly.

plates

Plate one to six have colored circles 8 mm in diameter and plates seven to ten have 4 mm diameter colored circles.

On each plate one of the surrounding circles is very similar in color to the central circle and the other three are different colors



How to test

The patient is asked to look at the central circle and then to tell the examiner which one of the four surrounding circles is most similar in color to the central one (i.e. the circle to the top, bottom, right or left of the center circle)

To score the result of the test, the examiner circles the response of the patient gives for each plate

Cont.

Plates one to six called (Chroma four) plates are not excessively difficult, hence patients with Only mild color vision defect may get most of these plates correct. In plates seven to ten (Chroma two) plates it is more difficult to differentiate the colors, thus it is more difficult to respond correctly .

If a patient makes 2 or more errors on any of these 4 plates, they are said to have a color vision deficiency.