

# ORTHOPTIC RED-GREEN TESTS AND DYSCHRMATOPSIA

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## PURPOSE

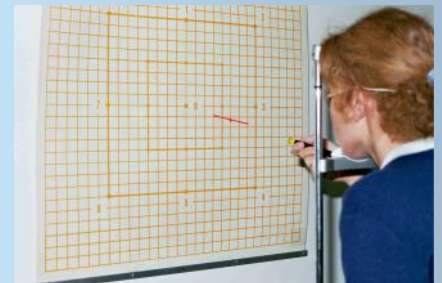
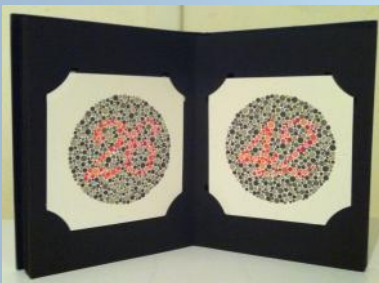
In numerous ophthalmological and orthoptic textbooks, it is often said that red-green test are not practicable or practicable with difficulty in case of dyschromatopsia.

To verify this assertion, we have systematically realized a TNO test and a coordimeter (with the Hees-Weiss screen) to all the patients met in consultation presenting a dyschromatopsia found with the Ishihara Test.

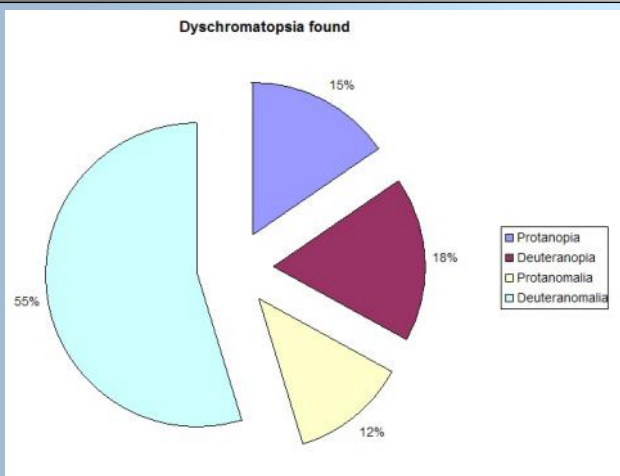
## METHOD

Among a list of 1000 patients seen in the department, 97 patients (96 males & 1 female) aged from 19 to 60 old (average = 45,3) and having a known or fortuitly detected congenital dyschromatopsia were included in the study. They represented 9.7 per cent of the studied population.

The subjects without normal binocular vision were excluded of the study.



## RESULTS



- These data are similar to those found in the littérature.
- Protanopia is found in 1.5% of the overall population,
- Deuteranopia in 1.7%,
- Protanomalopia in 1.2%
- Deuteranomalia in 5.3%
- The Hees-Weiss coordimetry was practicable and exploitable in 98,96 per cent of the cases (96/97).
- The only person who failed at this test was a protanopian but without any oculomotor disorder (Exophoria = 6pd; TNO = 60'')
- The stereoscopic acuity with the TNO was measurable in 100 per cent of the cases.
- The stereoscopic acuity value in dyschromates patients does not differ from that of the normal population.

## CONCLUSION

The red green congenital dyschromatopsia is not a contraindication in the use of red green tests during the oculomotor examination.

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