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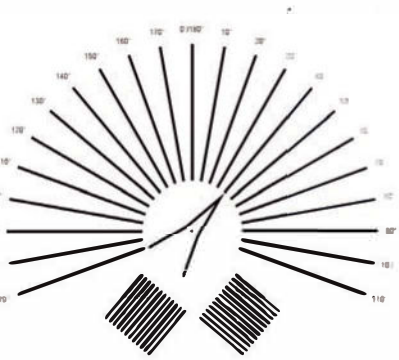
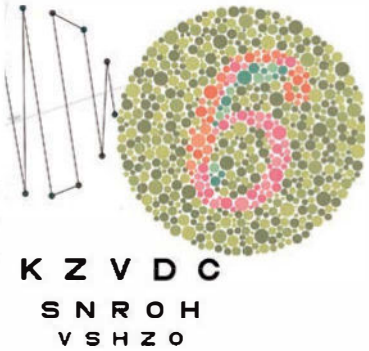
VISION CHART

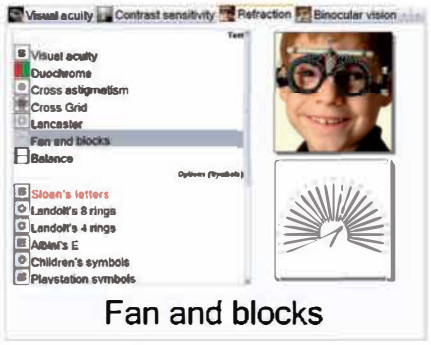
COMPUTERIZED VISION CHART

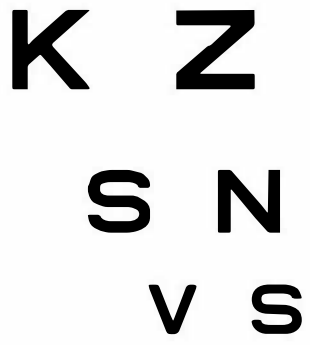
WHAT IS CSO VISION CHART?

The cooperation with research institutes and universities has allowed us to develop CSO Vision Chart. Extremely user friendly and daily practice oriented, CSO Vision Chart is a state-of-the-art for computerized charts for visual testing, thanks to the wide range of tests and to the uncompromised attention to details according to the most authoritative international standards and thanks to the continue feedback by users.
CSO, involved since 1967 in designing and producing ophthalmic instruments for diagnosis, has put together in an all-in-one device all the tests necessary for a painstaking analysis of the most important human vision fields, in order to allow the user to supply to the patient the higher and the most professional service.









FEATURES

- The device is provided with a 21,5" high definition LCD screen (1280x1024) with a 500:1 contrast and maximum lightness of 280 cd/m². Supplied with a remote control (IR, 50 keys) with the aim to reach every test at a distance of a few and intuitive key strokes.

- Optotypes are easily scalable to match the room size. A mirror function is available.

- Selectable vision acuity notation: LogMAR, Decimal, Monoyer, Snellen fraction US (feet) or UK (6 or 4 m)

- All the optotypes in CSO Vision Chart **follow standards**, as suggested by the most important international authorities:
  - American National Research Council (Comittee of Vision);
  - Universal Concilium Ophthalmologicum;
  - International Organization of Standards Institution: ISO 8596-8597;
  - European Comittee for Standardisation: EN ISO 8596-8597;

- Visual acuity measurement tests are available:
  - Automatically **randomized** optotypes to avoid patient's memorization;
  - **Loaded with only accepted, approved and trusted worldwide symbols**: Sloan letters, Landolt's rings, Tumbling E, HOTV, children's symbols and numbers;
  - Visual acuity from 1.30 to -0.30 LogMAR (from 20/400 to 20/10 Snellen) in LogMAR progression;
  - Presentation with single letter, horizontal or vertical line and ETDRS. Crowding available;
  - Low contrast optotypes available;
  - Psychophysic method **QUEST** for visual acuity threshold determination.

- Contrast sensitivity measurement tests
  - Contrast threshold from 99% to 0.6% in logarithmic steps;
  - Morphoscopic test with variable contrast from 1.30 to –0.30 LogMAR (from 20/400 to 20/10 Snellen);
  - Presentation with single letter and horizontal line;
  - Sine wave grating for CSF (Contrast Sensitivity Function) determination;
  - **Accurate calibration of brightness and contrast level**;
  - Psychophysic method **QUEST** for visual acuity threshold determination;
  - Standard tests like "**Pelli-Robson test**" or "**Small Letter Contrast Test**" in photopic or mesopic light condition.

- Tests for best far sphero-cylindric correction, like optotype charts, duochrome test, Cylindric correction tests (cross astigmatism, cross grid, Lancaster test and V & blocks) and balance test.

- Binocular vision tests like Worth's test, phorias and associated phorias tests, Maddox's and Schober's test, vergence test, suppression test and test for fixation disparity, aniseikonia and stereo-acuity determination.

- **Screening test for colour blindness evaluation** like Ishihara and pseudoisochromatic plates and standard test like FarnsworthMunsel H100, Roth 28, Farnsworth dichotomous D15 5/4, Adam dichotomous D15 8/4, Lanthony dichotomous D15 8/2 e Paulson H16.

- **Low vision acuity tests** (at 1 m distance) with visual acuity from 2.00 to 0.00 LogMAR (from 20/2000 to 20/20 Snellen)

- Amsler's Grids

- Schematic eye image.

- Customizable programs to speed up the clinical practice.

- The device can be mounted on the wall, table support or stand (VESA).

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