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(57) Abstract :

The present disclosure relates to an equipment (100) and test for assessment of signs and symptoms of disorders range from diplopia, asthenopia, discomfort associated with near work, frontal headache, pulling sensation, heavy eyelids, sleepiness, loss of concentration, nausea, dull ocular discomfort and general fatigues. These disorders are treated with the measurement of positive fusional vergence (PFV) and negative fusional vergence (NFV) values. The accurate diagnosis and effectiveness of the therapy are assessed by the measurement of the convergence and divergence amount. The equipment (100) is a hand-held portable semi-automatic equipment which can take accurate and quick readings for PFV and NFV in different vision modes and thus is a suitable equipment for mass screening in remote locations.

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