

WHAT WAS IT?

Pseudo Myopia, Latent Hypermetropia, Neurasthenia,
What do you say?

By
Dr. T. A. W. Elmgren
Columbia, S. Car.

Female, age 23. Occupation – waitress, Type: Asthenic

History: Claims to have good health, underweight, partial dental plate, tonsils removed, appendix operation four years ago, major female operation one and one half years ago. Never used glasses. Hold book close to the eyes when reading. Afraid that she will lose her job.

Symptoms: Eyeballs ache, frontal and temporal headaches in the afternoon, photophobia.

V.A. O.D. 90 percent, and O.S. 80 percent.

Iridology: Constipation and indigestion, small pupils, pupillar reflexes nil.

Ophthalmoscopy: Slight scotoma on side of optic disc.

Ophthalmometer: O.U. 3, 75 diopter.

Habitual phoria: Distance 4 esophoria, near 8 esophoria.

Static Retinoscopy: O.D. -0.50 sphere, O.S. +0.50 sphere; O.S. +0.50 sphere.

Dynamic retinoscopy: at 50cm. O.D. -0.50 sphere; O.D. +1.00 sphere.

Too restless and fidgety to make complete examination. Prescribed L- v for two days, followed with N/L- ω for four days.

Six days later optometric examination revealed accommodative fatigue with toxic influence.

Pupil normal in size with a slight pupillary reflex.

Campimetry chart showed the blue and green interlaced in O.D., blue-red interlaced in O.S.

(Neurasthenic)

Meridian	green	red	blue	Meridian	green	red	blue
0	7	10	6	0	4	8	7
45	6	7	5	45	6	8	10
90	3	5	4	90	7	8	11
135	5	7	5	135	5	8	9
180	6	8	6	180	5	8	8
225	6	10	7	225	6	11	10
270	7	9	6	270	7	10	9
315	7	9	6	315	7	9	9

WHAT WAS IT?

Habitual phorias: 3 eso at distance, 8 eso at near.

Static Retinoscope: O.D. -.25 Sphere, O.S. +0.25 sphere

Dynamic Retinoscope: at ½ M.: O.D. -.50 sphere, O.S. +0.50 sphere

Subjective: O.D. plano; O.S. +0.50 sphere

Induced phorias: 3 eso at distance, 8 eso at near

True adduction: Lo blur out

Convergence: 2 5/9

Abduction: 10/-3

Vertical phoria: negative

Cross cylinder: dissociated O.D. +1.50 sphere; O.S. +2.50 sphere.

Induced phoria: 2 eso

Cross cyl. Binocular: O.D. +1.50 sphere; O.S. +2.50 sphere.

Induced phoria: 2 eso

Total Add. Stim: 18

Pos. Fus. Res.: 28/12

Tol. Add. Inhibit.: 11

Neg. Fus. Res: 23/10

Vertical phoria: negative

Amp. Of acc. binocular.: -1.25

Tol. of acc. Stim.: -1.25

Tol. Of Acc. Inhib.: +2.00

Comparative phoria: 3 eso/2, eso/orth. (8-/4-/2)

Prescribed for 2 weeks orthoptics (excursion on Rotoscope) Syntonics N/L- α ω, red on right.

Did we go places? Listen and you shall hear.

Examination 15 days later:

Habitual phoria 2 eso at distance, 4 eso at near.

Static Retinoscopy: O.D. +1.25 sphere; O.S. +2.25 sphere.

Dynamic Retinoscopy at ½ Meter: O.D. +0.50 sphere: O.S. +1.75

Subjective findings: O.D. +1.25 sphere; O.S. +1.75

Induced phorias 2 eso at distance, 2 eso at near, duction on better balance than when checked before.

Comparative phoria: Ortho/4 exo (0/4/0)

The campimeter findings were practically at the same in both eyes so will give you the right eye only.

Showing a very little difference between 9:00 a.m. when going to work and at 6a:00 P.M. after being on her feet all day. Blue-red slightly interlaced, both in the morning and evening.

9:00 A.M.				6:00 P.M.			
Meridian	green	red	blue	Meridian	green	red	blue
0	8	9	9	0	8	9	9
45	9	14	16	45	8	11	14
90	9	18	15	90	7	13	16

135	9	13	15
180	11	24	25
225	10	26	14
270	8	15	13
315	8	12	12

135	7	12	16
180	10	12	22
225	8	15	14
270	8	11	15
315	9	9	10

Prescribed subjective findings for constant use, and continued Syntonics, no orthoptics.

One month later in A.M.

Progress examination revealed satisfactory progress, campimetry chart in normal ratio. All symptoms had disappeared, and she had received a raise in her wages; she stated that she receives two to three times more tips, that she had gained 7 or 8 pounds since June 2nd, the time of the first examination, and that she had an entirely different outlook on life.

At this time she had a chance to take a two weeks vacation in the country so we told her to go, and to go as nearly native as possible.

Here weeks later a complete optometric examination was made. Findings were as follows:

Habital phorias: 1 eso at distance, 2 eso at near.

Static ret.: O.D. +1.50 sphere, O.S. +2.25 sphere.

Dyn. Ret. At ½ M.: +0.75; O.S. +1.50

Subjective: +1.50, O.S. +2.25 sphere.

Induced phorias: 1 eso at distance, 2 exo at near.

True adduction: 9 blur out.

Convergence: 26/19

Abduction: 11/4

Vertical phoria: negative

Cross cyl. Disassociate: O.D. +1.75 sphere; O.S. +2.50 sphere.

Induced phoria: Ortho.

Cross cylinder binocular: O.D. +1.75; O.S. +2.75

Induced phoria: Ortho

Tol. Add stim.: 13

Pos. Fus. Res.: 26/13

Tol. Add inhib.: 24

Neg. Fus. Res.: 24/14

Vertical phoria: negative

Amp. Of Acc. Binocular: Monocular -5.00; binocular -6.00

Tol. Of acc. Stim.: -1.50

Tol. Of acc. Inhib.: +1.50

Comparative phoria: 1 ½ exo/ 3 exo/ 3 exo (3.5-3.5-/0)

Now we have a different picture, except dynamic retinoscopy which remained lower than static, subjective equal to static retinoscopy, cross cylinder findings disassociated and binocular higher than subjective, induced phoria taken through cross cylinder findings, accommodative stimulation and accommodative inhibition equal, amplitude of accommodation increased 2 diopters recovery improved in all duction tests. 2-21-22 finds indicate more + acceptable than the subjective findings.

Prescribed disassociated cross cylinder findings and syntonics as follows: N/L- α v alternated with N/L- μ for four weeks.

Progress examination showed satisfactory improvements when checked a month later. No toxic Influence, nor ductional fatigue, lenses prescribed on July 25th gave a visual acuity of 100 percent plus (this examination made a month prior distance habitual phoria; orthophoria, near habitual phoria; 4 exophoria.

Dismissed for two months after which returned and reported. No return of symptoms, had not lost nay time from work, while before she had not been able to work regular, losing as much as fifty percent of the time. She was a picture of health and happy as a lark.

NOW WHO WILL SAY IT DOESN'T WORK?