



## 8<sup>TH</sup> INTERNATIONAL CONGRESS OF BEHAVIOURAL OPTOMETRY

**Speaker:** Rob Gevers  
**Credentials:** Optometrist, OEP  
**Time/Date Scheduled:** 0900 – 1030 on Saturday, 28 April  
**Location:** Plenary

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**Presentation Title:** **Stereo Kay**

**Abstract:** Restoring binocular vision and function after early childhood surgery.

38 year old Caucasian female, with constant diplopia, asthenopic complaints, vertigo, dizziness, unable to read, study and work. Photophobia, general fatigue, muscle pain in neck- and shoulder, difficulty in driving.

Optometric history: amblyopia, esotropia, and surgery at the age of 3. After the use of a prolonged highly dose of morphine she lost the last bit of control of her eyes.

Findings: 10-01-2015.

RX. OD. S. -0.75 -1.75 x 42  
OS. S. -1.50 -0.75 x 0 8 prism BO

Subjective Refraction:  
OD. S. - 0.25 c - 1.75 x 35 v. 1.00  
OS. S. - 1.25 c - 0.75 x 175 v. 1.00

CT distance and near: decompensating alternating esotropia.

Howell chart: suppression.

Distance Shober fusion test: esophoria, with her head turned to the right to get some fusion.

Near Shober fusion test: esophoria with fusion.

Distance fusion and vergence range: suppression.

Fusion and vergence ranges are better on a short distance, but weak and cost her a lot of effort.

Acc. facility: weak and slow

PRA. - 0.75

NRA. + 0.75

No stereo vision at distance and near.

EOM. Weak, head movements, very difficult in standing position.

Syntonics fields: very constricted on all colours.

Van Orden star: eso projection, suppression.

Diagnosis: alternating esophoria at distance and near.

Poor central fusion.

Low vergence and accommodation reserves.

No stereovision and depth perception.

Treatment:

Binasal occlusion:

Optometric Syntonics therapy:

Visual training

Ortho K.

Outcomes:

Fusion on every distance, only diplopia when she is tired. The range of easy single vision is still improving.

Full stereo at near and better depth perception on longer distance.

The most of her complaints are gone, no head turn anymore, no squinting of her eyes and much more energy and comfort in all of her activities.