



# Proprietary Vision Retraining

## Preliminary Results of the Outcomes of The Vandendooren Protocol

### Benefits to the Patient

- 80 Patients experienced an average of 47% increase in functional visual acuity.
- On average patients improved two Snellen lines on the Colenbrander Intermediate Acuity Chart.
- Statistically significant improvement in functional visual acuity from initial evaluation to discharge.

### Sample Patient Outcomes of Functional Visual Acuity

	At Initial Evaluation	At Discharge
Patient A	20/500	20/300
Patient B	20/400	20/200
Patient C	20/800	20/250
Patient D	20/250	20/60
Patient E	20/300	20/100

#### Abstract:

Eighty individuals were randomly selected from a group of 2,500 patients who suffered from significant visual impairment and participated in the Vandendooren Protocol (VP) home occupational therapy low vision rehabilitation program . These patients were retrospectively analyzed using functional acuity outcome measures. The results showed 47.76% increase in functional visual acuity. Further analysis and expansion of the group size is planned.

#### Purpose:

The purpose of this retrospective study was to describe functional acuity outcome measures after subjects participated in a home occupational therapy low vision rehabilitation program.

#### Methods:

We analyzed the OU (both eyes) functional visual acuity measurements of a random sampling of 80 individuals who participated in the VP home health occupational therapy low vision rehabilitation program at initial evaluation and at discharge. Participants were included if they had a visual disturbance such that it affected their ability to perform meaningful daily activities. Functional acuity was measured using the Colenbrander Visual Acuity Chart at a distance of 100 cm in the individual's home under identical lighting conditions. We used a paired T-test to determine if there were any differences in functional visual acuity

#### Results:

Results indicate a significant ( $P=.0015$ ,  $r=0.24$ ,  $CI=95\%$ ) difference in functional visual acuity at initial evaluation (mean OU acuity 20/283, SD 249) and at discharge (mean OU acuity 20/179, SD 140), representing an average improvement of approximately two Snellen lines.

#### Conclusions:

Results indicated that participants in the VP occupational therapy low vision rehabilitation program had significant improvement in functional visual acuity scores after participation.

# Vandendooren Protocol



LOW VISION WORKS