


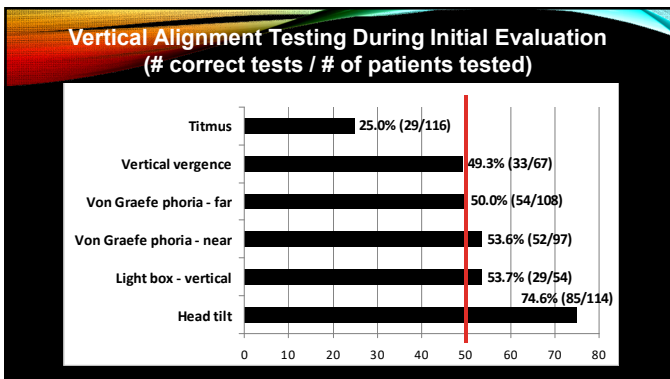
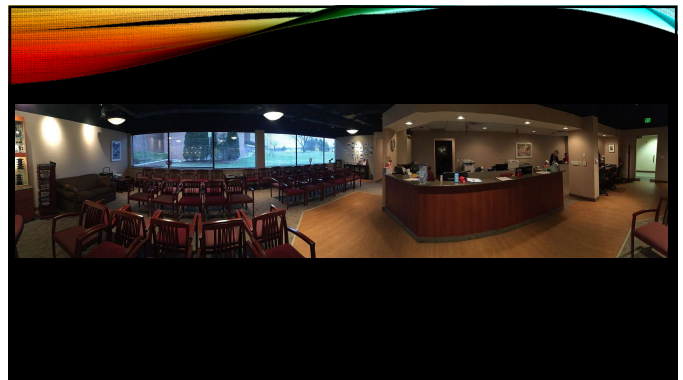
# CONNECTING EYES AND EARS

Binocular Vision Dysfunction, Vestibular Dysfunction and Hyperacusis

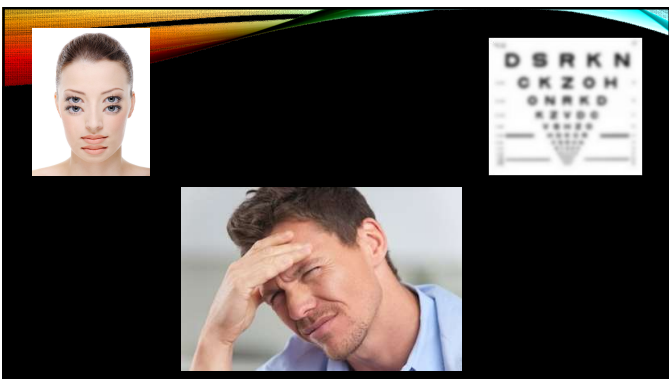
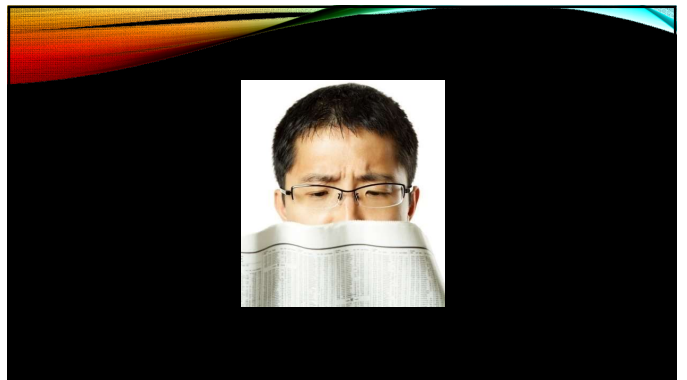
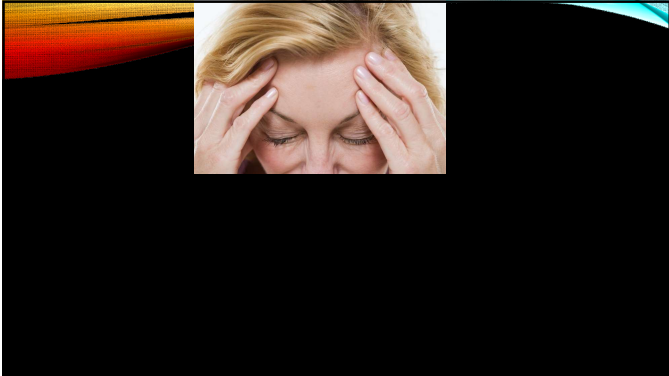
Vision Specialists Institute

Debby Feinberg O.D.  
Cindy Wilson MA, FAAA



## Symptoms



### Prior Diagnoses:

Migraines / Vestibular Migraine	Atypical Meniere's disease
Muscle tension headaches	Reading and Learning difficulty
Frequent / chronic sinusitis	Dyslexia
Chronic neck pain	Convergence Insufficiency
Anxiety disorders	TBI w/ Persistent Post-Concussive Symptoms
Panic Attacks	MALINGERING:
Agoraphobia	"You are just making this up"
ADD/ADHD	"It's all in your head"

**Adult Binocular Vision Dysfunction Questionnaire (BVDQ)** For ages 14 & older

Vision Specialists of Michigan  
2550 South Telegraph Road, Suite 100  
Bloomfield Hills, Michigan 48302  
(248) 236-9000 www.vision-specialists.com

Name: \_\_\_\_\_ Email: \_\_\_\_\_ Date: \_\_\_\_\_  
Best Phone Number: \_\_\_\_\_ Back-Up Phone Number: \_\_\_\_\_

Directions: For each of the following questions, please check the answer that best describes your situation. If you wear glasses or contact lenses, answer the questions assuming that you are wearing them.

Always = Every day  
Frequently = At least 1 time / week  
Occasionally = Less than 1 time / week  
Never = Never

	ALWAYS	FREQUENTLY	OCCASIONALLY	NEVER
1. Do you have headaches and / or facial pain?				
2. Do you have pain in your eyes with eye movement?				
3. Do you experience neck or shoulder discomfort?				
4. Do you have dizziness and / or light-headedness?				
5. Do you experience dizziness, light-headedness, or nausea while performing close-up activities (computer work, reading, writing, etc.)?				
6. Do you experience dizziness, light-headedness, or nausea while performing far-distance activities (driving, television, movies, etc.)?				
7. Do you experience dizziness, light-headedness, or nausea when bending down and standing back up, or when getting up quickly from a seated position?				
8. Do you feel unsteady while walking, or drift to one side while walking?				
9. Do you feel overwhelmed or anxious while walking in a large department store (Target, Wal-Mart, Meijer, etc.)?				



### How Do We Diagnose and Treat VH?

- Screening - BVDQ and 5 Minute Cover Test
- Detailed History
- Observe gait, body posture, head tilt, facial asymmetry
- EOM's, NPC, Provocative tests
- Accurate baseline Prescription
- **Prism Challenge**

### Course of Treatment

- Initial Exam (90 mins) and 1-2 Progress Exams (each 50 mins)
  - Progressive Relaxation
- 2 sets of lenses
- Approximately 1-2 months to complete treatment



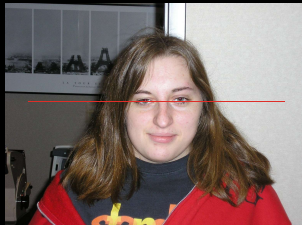
### Results of Treatment

- 80% reduction of symptoms
- Marked improvement in QOL
- Reduction / elimination of medications
- Reduction / elimination of disability

### Where Does BVD Originate From?

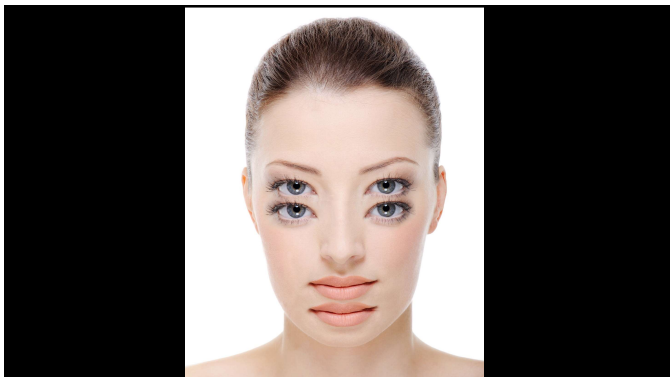
- Congenital facial asymmetry / neuromuscular asymmetry
- Brain Injury

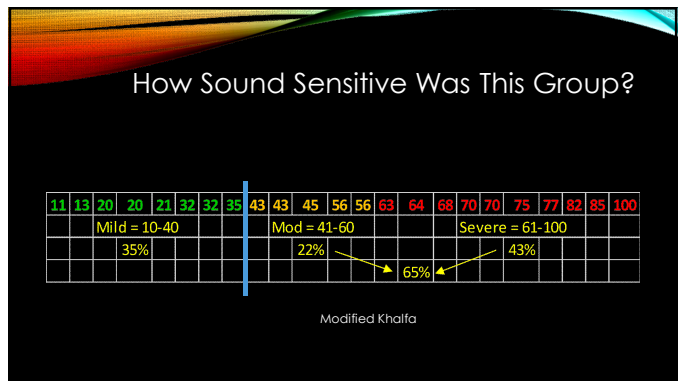
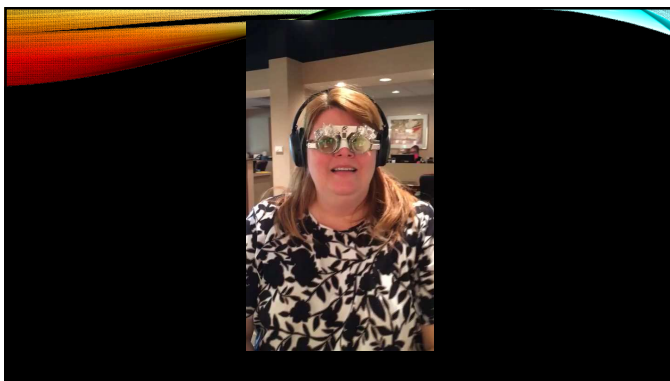
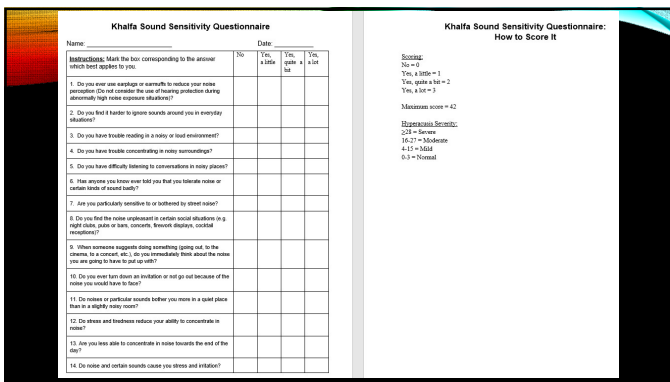
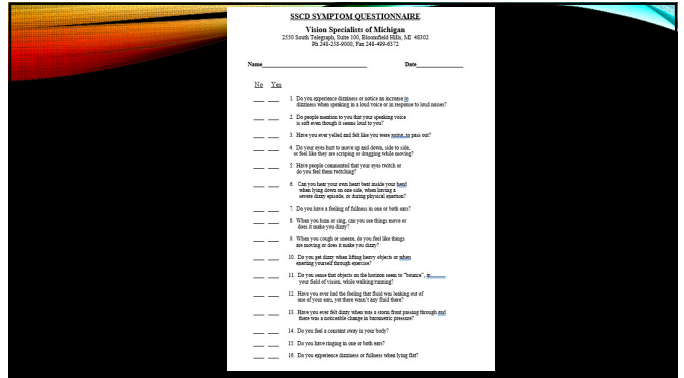
### Facial Asymmetry

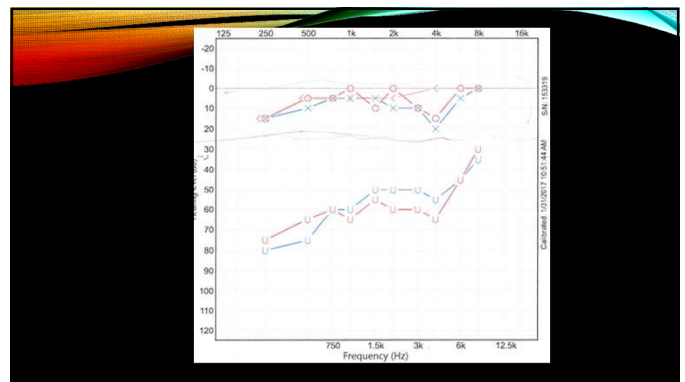
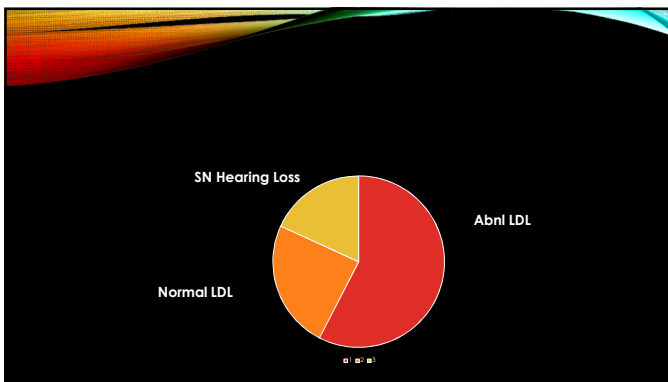
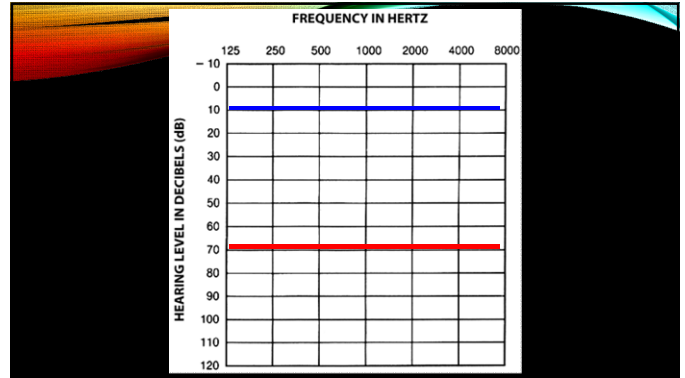
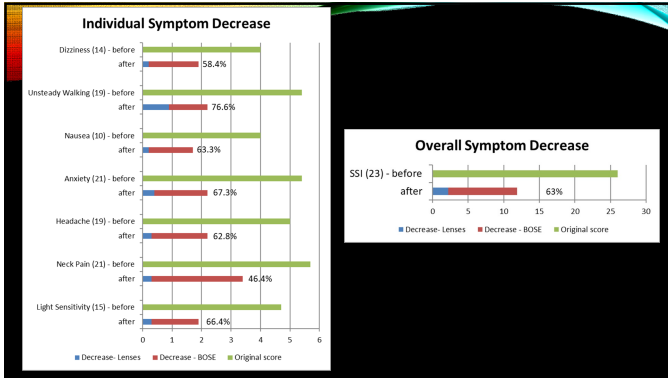


### How Uncomfortable Are They?

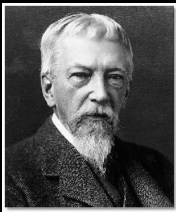
- Vertical Heterophoria Simulator







“Who, indeed, could have supposed that a mere ocular defect could have given rise to so serious a train of evils... and who that had not seen it could believe that the **correction by glasses** of the eye trouble could have given a relief so speedy and so perfect that the patient described it as a **miracle?**”



Dr. S. Weir Mitchell, *Headaches and Eye Strain*, April 1876



