

## Case History: Dena

Date of Birth: 01/12/1995

Age: 6 Years, 11 months

Sex: Female

Reason for Evaluation: Lazy right eye. First Diagnosed by school nurse 5 months ago. Brief symptom list and history see below

### Organization

- \*Fails to plan for homework
- \*Trouble keeping on task
- \*Does not finish tasks
- \*Seeks excessive attention
- \*Disorganized, messy room

### Medical History

- \*Prenatal-normal
- \*Birth; natural with no complications
- \*Early Childhood; normal
- \*Medications; none
- \*Developmental History; normal

Date of Evaluation: 6/18/09—See initial EPC data on 6/18/2009

<u>Visual Acuity unaided</u>	
20"	OD 20/60
	OS 20/20
	OU 20/20
14"	OD 20/50
	OS 20/20
	OU 20/20

### Ocular Motilities

Pursuits Grade 1 Jerky erratic with both eyes  
Saccades Grade 1 head movement

### Pupils

Alpha Omega Grade 3 OU, Release time 1-2 seconds; Fluctuation: Marked, Amplitude: Moderate

### Monroe Visual 3

7 out 16 correct

### Brock Posture Board

OD 2" out exophoria. Suppression 60% of the time  
#4 OD +0.75= -1.00x47  
OS +0.25= -0.25x85  
#7 OD +0.75= -1.25x47; VA 20/40  
OS +0.25sph; VA 20/20

### Distance Phoria 5 eso

#### Distance Vergences

BO x|6|-2

BI x|2|-1

### Near Phoria 7 eso

#### Near Vergences

BO x|4|-1

BI x|4|/0

14B OD+1.50 over #7 @ 16"

OS +1.25 over #7 @ 16"

PRA -1.25

NRA +1.75

### Ocular Health

Normal

### Goldman Tinometry

OD 15 mm

OS 14 mm

### Diagnosis: Amblyopia Right Eye, Intermittent Divergent Strabismus, Suppression, Oculomotor Dysfunction

#### Prognosis:

#### Doctor's Goals:

1. Improve Visual Acuity to 20/30 in Right Eye
2. Improve Binocular Status and Reduce Suppression
3. Increase Visual Fields
4. Improve Visual Information Processing

#### Patient's Goals:

1. Improve acuity in right eye
2. Improve sports performance
3. Keep track of personal belongings

### Syntonics Treatment:

**Rationale:** I decided to treat the amblyopia by using 10 minutes of Alpha Omega followed by 10 minutes of Alpha Delta. I expected to treat with these two colors for 1 week and re-measure the fields. If the fields began to open, and I could measure the blind spot, I would continue with the same regimen for another 2 weeks. If the visual fields were not opened completely and the blind spot was not its normal size after 3 weeks of treatment, I would change my treatment and use 10 minutes of Alpha Omega followed by 10 minutes of Mu Delta. I expected to use these colors for another month and re-evaluate the visual fields and blind spot.