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# Twoop Case Study

**REFRACTIVE AMBLYOPIA**



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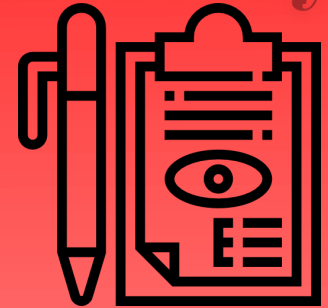


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# Patient History

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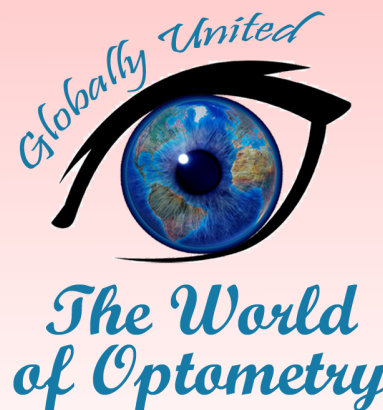


**CHIEF COMPLAINTS:** 30 years old, female presented with decreased vision in her OD since childhood. The patient presented with irregular headache and felt that her OD bothered her more than the OS. She also complained of general eye discomfort.

**OCULAR HISTORY:** No known h/o ocular diseases/surgery. She was not taking any topical medications. This is her first eye exam.

**PAST MEDICAL HISTORY:** No known h/o systemic diseases/surgery, born full term without any complications and her health status was normal.

**FAMILY HISTORY:** Mother with refractive error and maternal uncle with “lazy eye”.



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# Ocular Examination

## Visual Acuity

### Distance

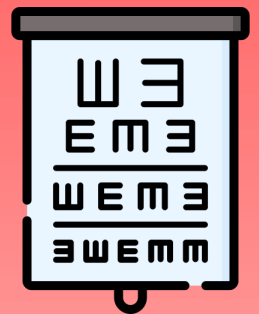
- **OD** 20/200 (unaided)  
20/80 (BCVA)

- **OS** 20/20 (unaided)

### Near

- **N** 36 (unaided)  
N 18 (BCVA)

- **N** 6 (unaided)

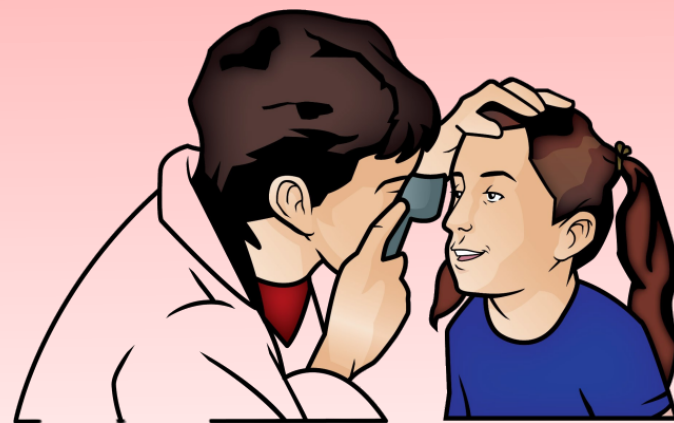


## Net Retinoscopy:

- **OD** +3.00DS
- **OS** Plano

## Refractive acceptance:

- **OD** +3.00DS
- **OS** Plano



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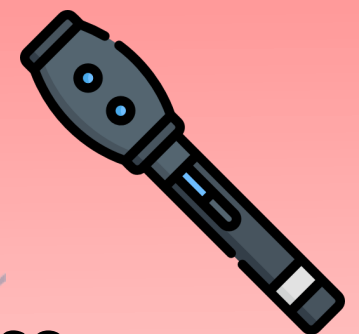
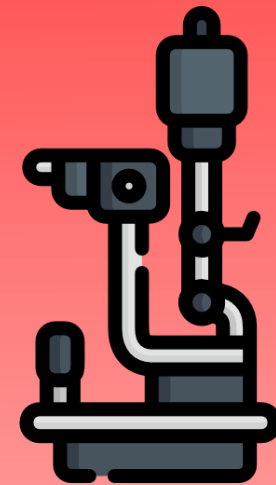


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# Clinical Findings

## Slit Lamp Findings

- Conjunctiva/Sclera: Normal OU
- Cornea: Clear OU.
- Anterior Chamber: Grossly Normal
- Iris: Normal OU
- Lens: Clear OU
- Anterior Vitreous: Clear OU



## Fundus Evaluation

- **OD:** Clear view, CDR 0.3 with sharp optic disc margins, no optic nerve hypoplasia, flat macula with normal foveal light reflexes, normal vessels.
- **OE:** Clear view, CDR 0.2 with sharp optic disc margins, no optic nerve hypoplasia, flat macula with normal foveal light reflexes, normal vessels.



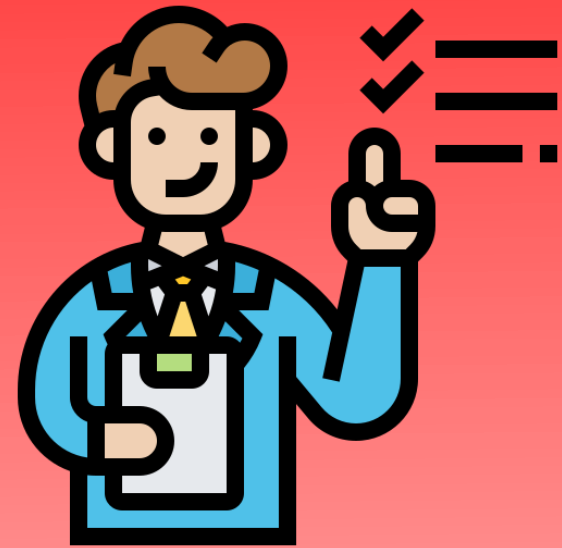


DRAG TO THE SIDE  
DRAG TO THE SIDE

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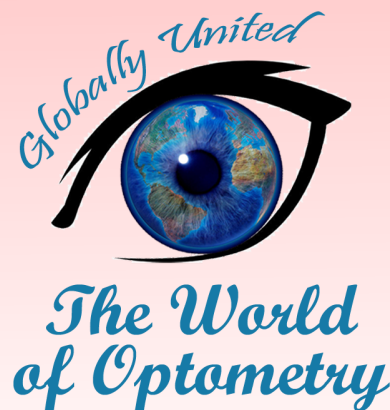
# Diagnosis

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*Globally United*

OD REFRACTIVE  
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AMBLYOPIA



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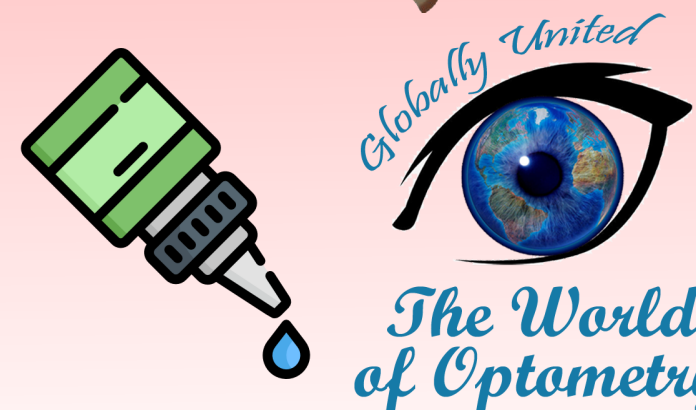


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# Management Plan

- **Occlusion therapy** i.e. OS full patching 6 hrs/d weekend can use B.E.
- **Full time spectacle wear along with patching**
- Monthly follow up to monitor VA.
- **Active vision therapy:** Action video games: 2hrs/d Paper based near activities like reading, writing, and word puzzles software activities (recommended)
- Carboxy Methyl Cellulose E/d Qid

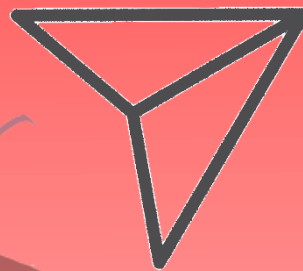




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