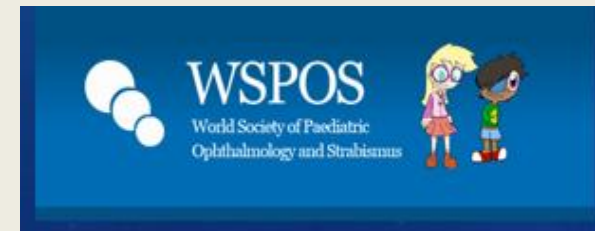


# Case 8

2<sup>nd</sup> OF THE STRABOS INSTITUTE & WSPOS COLLABORATION CASES

**Renata Bastos Alves, MD**  
**Bruna Lana Ducca, MD**  
**Mauro Goldchmit, MD**



- 5 month old boy, mom reports esotropia OD since 2 months.
- PMH: unremarkable

### Examination:

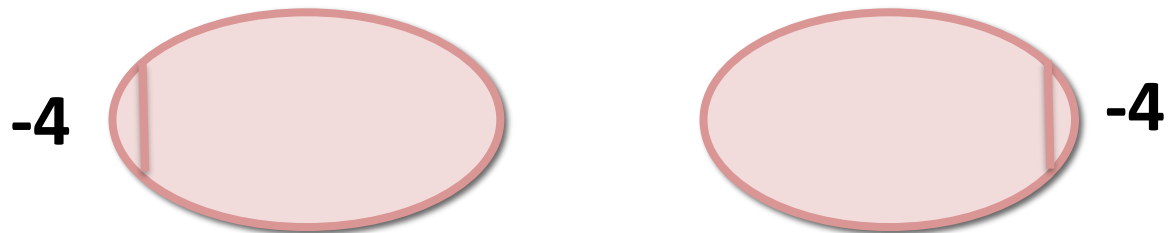
- Visual Acuity: CSUM OD, cries when left eye covered
- Refraction: +1.00 sph OU
- Slit lamp and fundus exam: unremarkable

Feb 2012

- Ocular Motility:  
**Krimsky ET'80 $\Delta$**



- Fixation: OS
- Patch OS



Nystagmus on lateral gaze

# **Possible Diagnosis:**

- 1. Congenital Esotropia**
- 2. Möbius Syndrome**
- 3. Bilateral Duane Syndrome**

# SURGERY:

- **Recess MR 6mm OU + Resect LR 6mm OU**
- Post Op. 1 month = Ortho in Primary Position (PP)
- Visual Acuity (Teller): OD 20/100 OS 20/55
- Patch OS 4h/d



- Sept/2012 – Visual Acuity (Teller): OD 20/24  
OS 20/16
- Jan/2013 : Ortho in PP, Versions: +2.5 IO OU



- **May /2014: Surgery → IOAT OU**
- Nov/2016: Visual Acuity: OD 20/40  
OS 20/30
- Ortho in PP with small and compensated DVD
- Patch OS 2h/d

# Questions

1. Assuming the presence of amblyopia and nystagmus when trying to fixate with the amblyopic eye, would you keep patching?  
(  )Yes (  )No

2. Assuming the child is 6 months old, when is the optimal time for surgery?  
(  )At the time of diagnosis  
(  )Between 6 and 12 months  
(  )After 12 months

3. Considering large deviations in infants:  
a) Would you do botox injection before surgery?  
(  )Yes (  )No  
b) How many muscles would you operate on?  
(  )Two (  )Three (  )Four



## Questions to the Experts:

1. Would you consider botox injection to the MRs? If yes, how many units?
2. How many muscles would you operate on?
3. Do you consider general anesthesia as a risk when operating on a six month old child?
4. Considering overaction of both IO at the time of diagnosis, would you perform IOAT OU in the first procedure?



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TEACHING, SOCIAL ACTION AND RESEARCH IN STRABISMUS

**THANK YOU!**

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