

CASE DATA

Demographics:	3-year-old boy
Chief Complaint:	Mother reports he turns his head to watch television and when colouring
Ocular History:	First exam
Medical History:	Born at term with no complications

Clinical Data:

Presenting visual acuity:	OD 20/50 OS 20/30
Cover test:	Ortho at 6m and 5 esophoria at 40 cm
Retinoscopy (net findings):	OD +3.00 -2.00 x 090 OS +2.50 -1.00 x 090
Anterior segment evaluation:	Cornea: clear, Crystalline lens: clear
Posterior pole (undilated):	OD Optic nerve- pink, C/D 0.2 x 0.2 Macula: FR+ OS Optic nerve- pink, C/D 0.2 x 0.2 Macula: FR+

- Which of the following would be the most appropriate way of testing visual acuity for this patient?**
 - Tumbling E
 - HOTV chart
 - Lea Symbol Chart
- What conversion factor is added to the gross findings when performing Mohindra retinoscopy?**
 - +1.25D
 - +1.50D
 - +2.00D
- What would the calculated AC/A ratio be for this patient (his interpupillary distance is 50mm)?**
 - 5/1
 - 7/1
 - 8/1

CASE DATA

Demographics: 85-year-old male

Chief Complaint: Blurred vision while watching TV and driving

Ocular History: No eye surgery. Reduced vision OS as long as he can remember

Medical History: Heart condition and hypertension controlled by numerous medications

Clinical Data:

Current glasses: OD +5.25-0.75x070 +2.50 add 6/30, 0.75M
OS +6.50 +2.50 add 6/120, <1.25M

Cover tests: OS 15^Δ hypertropia with 10^Δ esotropia

Ocular health: Nuclear sclerosis and cortical lenticular changes OU
RPE dropout in macula OU
Fine keratic precipitates on corneal endothelium OU, corneal arcus OU

Intraocular pressure: 8mmHg OD and 10 mmHg OS @ 2:00 p.m.

1. **For the first few days following cataract surgery, the patient can expect to**
 - A. be confined to bed rest.
 - B. continue wearing current glasses.
 - C. see better while watching TV.
2. **Following surgery, what is the most appropriate time to give a new spectacle prescription?**
 - A. 1 week
 - B. 5 weeks
 - C. 3 months
3. **The patient returns 5 months after surgery complaining of reduced vision in the operated eye when reading and watching TV. The most likely cause of the symptoms is**
 - A. capsular haze.
 - B. cystoid macular edema.
 - C. retinal detachment.

CASE DATA

Demographics:	54-year-old female
Chief Complaint:	Noticed two days ago flashing lights, and now when she closes her left eye, she sees a fuzzy, circular, blurred image.
Additional History:	None
Ocular History:	CL wearer for sports
Medical History:	None
Family History:	Cataracts both parents, macular degeneration mother

Clinical Data:

Current Spectacles:	OD	-1.00 DS	6/7.5
	OS	-1.50 DS	6/6

Subjective Refraction:	OD	-1.25 DS	6/6-
	OS	-1.50 DS	6/6

Tonometry:	OD	14 mmHg
	OS	15 mmHg

Pupils:	PERRLA
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Fundus Examination:	See photographs
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Retinal Image OD



Retinal Image OS



1. What is the most likely diagnosis of this patient's condition?

- A. Posterior vitreous detachment OD and choroidal nevus OS
- B. Age-related macular degeneration OD and choroidal melanoma OS
- C. Papilledema OD and choroidal nevus OS

2. Which of the following is the most appropriate management for this patient's condition?

- A. Multivitamin supplements
- B. Lumbar puncture
- C. Observation

3. Which of the following would indicate an increased risk of progression for this patient's condition?

- A. Presence of lipofuscin on the surface and diameter less than 5 mm
- B. Presence of subretinal fluid and thickness greater than 2 mm
- C. Presence of lipofuscin on the surface and thickness less than 2 mm