

Ocu			

Patients usually don't tell us the diagnosis...

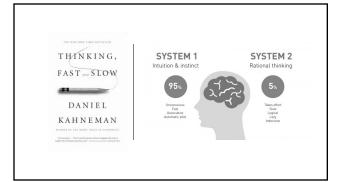
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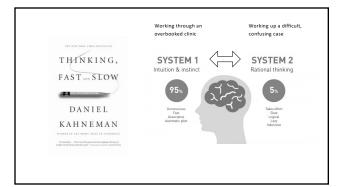
Ocular Emergencies

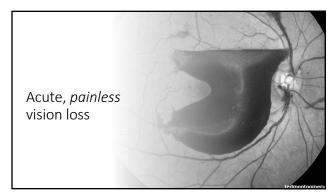
Patients usually don't tell us the diagnosis...

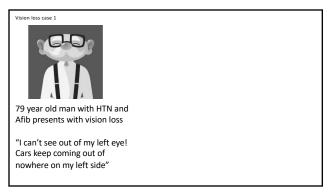
And sometimes they don't tell us its an emergency!

5

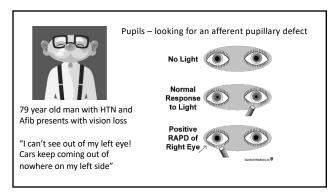




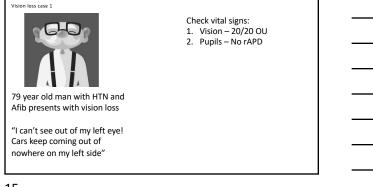




Vision loss case 1		
06-D0	Check vital signs:	
113		_
AVA		
79 year old man with HTN and		
Afib presents with vision loss		
"I can't see out of my left eye! Cars keep coming out of		
nowhere on my left side"		
10		
10		
Vision loss case 1		
	Check vital signs: 1. Vision	
79 year old man with HTN and		
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"I can't see out of my left eye!		
Cars keep coming out of nowhere on my left side"		
11		
Vision loss case 1]
	Check vital signs: 1. Vision – 20/20 OU	-
	1. VISION 20/20 00	
70 was ald serviced LITTLE of		
79 year old man with HTN and Afib presents with vision loss		
"I can't see out of my left eye!		
Cars keep coming out of		







Vision loss case 1



79 year old man with HTN and Afib presents with vision loss

"I can't see out of my left eye! Cars keep coming out of nowhere on my left side"

- Check vital signs:
 1. Vision 20/20 OU
 2. Pupils No rAPD

In a busy clinic, it is tempting to only work up the left eye...

16



79 year old man with HTN and Afib presents with vision loss

"I can't see out of my left eye! Cars keep coming out of nowhere on my left side"

- Check vital signs:
 1. Vision 20/20 OU
 2. Pupils No rAPD

In a busy clinic, it is tempting to only work up the left eye...

But lets think slow.

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79 year old man with HTN and Afib presents with vision loss

"I can't see out of my left eye! Cars keep coming out of nowhere on my left side"

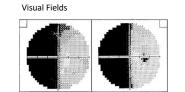
Visual Fields





79 year old man with HTN and Afib presents with vision loss

"I can't see out of my left eye! Cars keep coming out of nowhere on my left side"



19



79 year old man with HTN and Afib presents with vision loss

"I can't see out of my left eye! Cars keep coming out of nowhere on my left side"

Visual Fields





Left homonymous hemianopsia – caused by stroke in visual cortex of brain

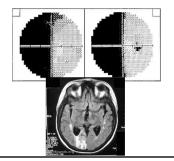
20



79 year old man with HTN and Afib presents with vision loss

"I can't see out of my left eye! Cars keep coming out of nowhere on my left side"

Visual Fields





81 year old woman with Afib presents with sudden onset vision loss

"I can't see out of my right eye!"

22



81 year old woman with Afib presents with sudden onset vision loss

"I can't see out of my right eye!"

- Check vital signs:

 1. Vision CF OD, 20/20 OS

 2. Pupils right rAPD
- 3. Visual field

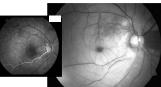
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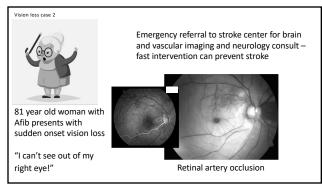
81 year old woman with Afib presents with sudden onset vision loss

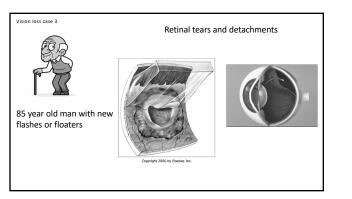
"I can't see out of my right eye!"

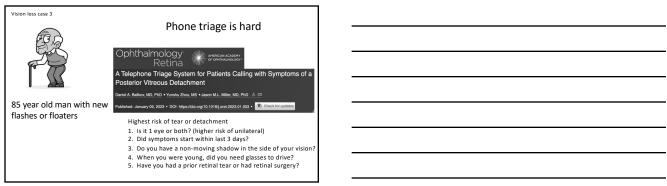
- Check vital signs:
 1. Vision CF OD, 20/20 OS
 2. Pupils right rAPD
- 3. Visual field

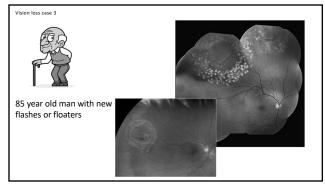


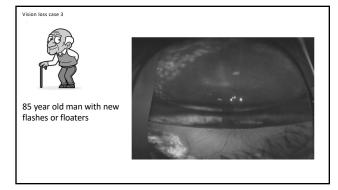
Retinal artery occlusion



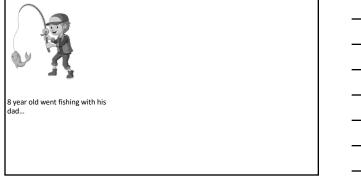




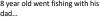














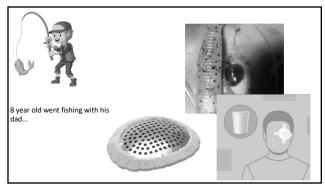
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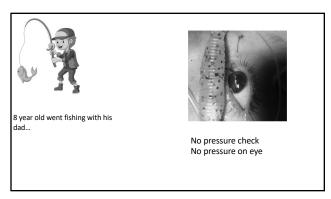


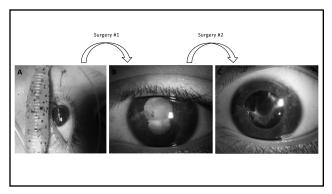
8 year old went fishing with his dad...



Don't pull it out!









62 year old patient with who had cataract surgery 4 days ago calls with eye pain and vision loss.

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62 year old patient with who had cataract surgery 4 days ago calls with eye pain and vision loss.

- 1. Pain
- Vision loss
 Nausea/vomiting

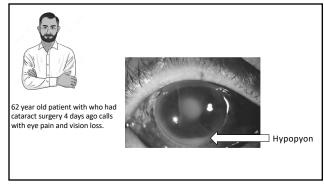
38

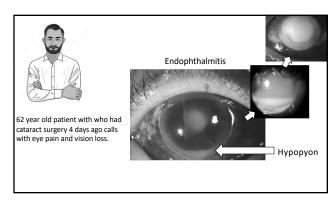


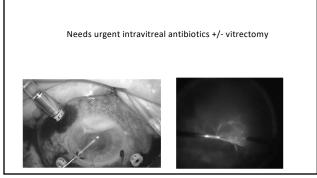
62 year old patient with who had cataract surgery 4 days ago calls with eye pain and vision loss.

- 1. Pain
- 2. Vision loss
 3. Nausea/vomiting

When in doubt, bring in post-ops









68 year old woman with 12 hours of eye pain, seeing halos, and nausea and vomiting

43



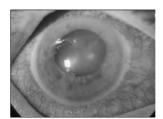
68 year old woman with 12 hours of eye pain, seeing halos, and nausea and vomiting

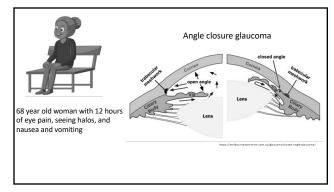
- Check vital signs:
 1. Vision CF OD, 20/20 OS
 2. Pupils ???
- 3. IOP 55

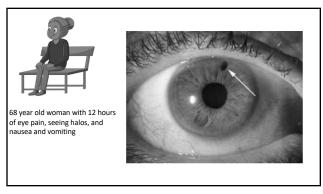
44



68 year old woman with 12 hours of eye pain, seeing halos, and nausea and vomiting



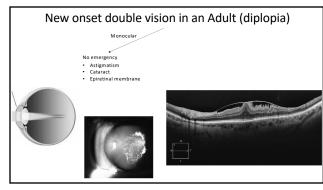




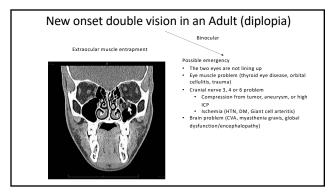
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Acute onset double vision in an Adult (diplopia)

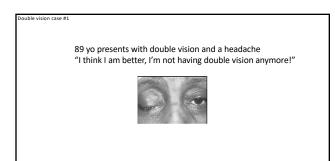


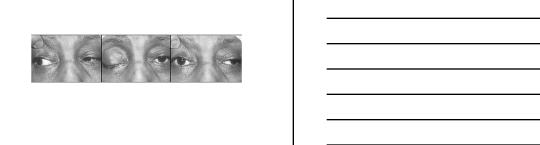


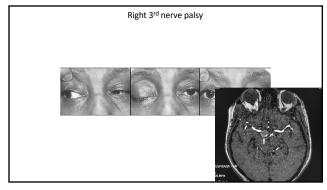
No emergency - Astigmatism - Cataract - Epiretinal membrane Possible emergency - The two eyes are not lining up - Eye muscle problem (thyroid eye disease, orbital cellulitis, trauma) - Cranial never 3, 4 or 6 problem - Compression from tumor, aneurysm, or high ICP - Ischemia (HTN, DM, Giant cell arteritis) - Brain problem (CVA, myasthenia gravis, global dysfunction/encephalopathy)

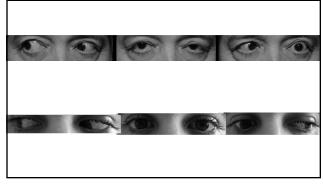


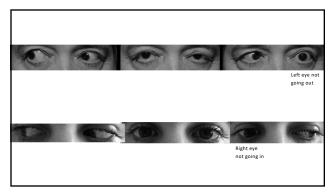
New onset double vision in an Adult (diplopia)			
Thyroid eye disease	Binocular		
	Possible emergency 1 The two eyes are not lining up Eye muscle problem (thyroid eye disease, orbital cellulitis, trauma) 1 Cranial nerve 3, 4 or 6 problem Compression from tumor, aneurysm, or high ICP Ischemia (HTN, DM, Giant cell arteritis) Brain problem (CVA, myasthenia gravis, global dysfunction/encephalopathy)		

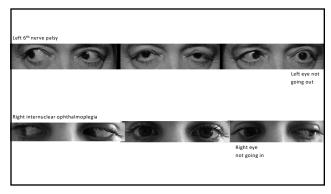


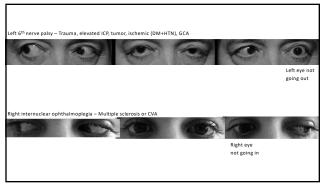












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Ocular Emergencies

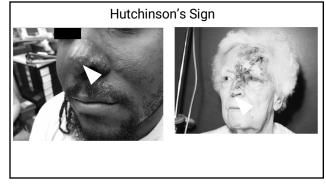
- 1. Acute, painless vision loss
- 2. Acute, *painful* vision loss
- 3. Acute onset, binocular double vision

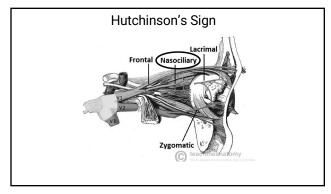
Don't forget to think slow

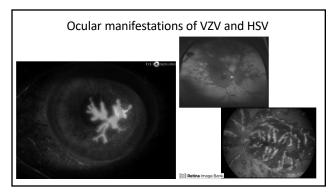


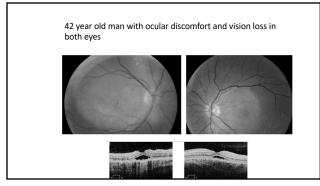


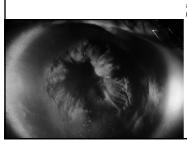






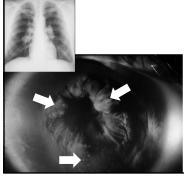






32 year old man with inflammatory arthritis, and acute onset blurriness, eye pain and redness?

68



32 year old man with inflammatory arthritis, and acute onset blurriness, eye pain and redness?

Sarcoidosis, which is often associated with acute anterior uveitis. External photograph of the eye shows Mutton Fat keratic precipitates and granulomatous iris nodules at the pupillary margin.