

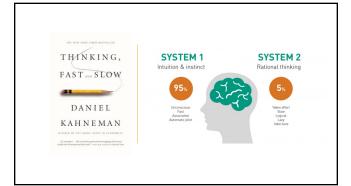
Ocular Emergencies			
Patients usually don't tell us the diagnosis			

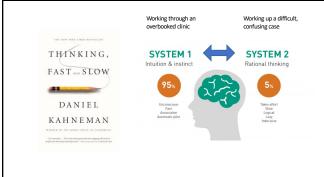
Ocular Emergencies

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

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

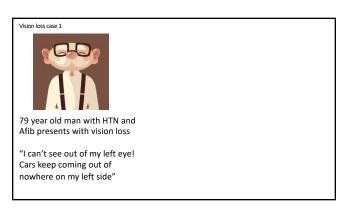
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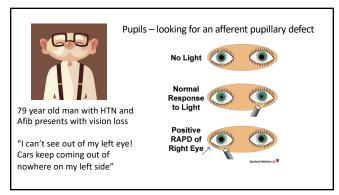
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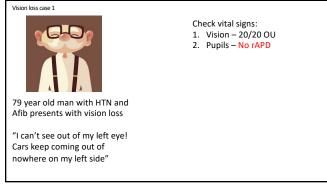


79 year old man with HTN and Afib presents with vision loss "I can't see out of my left eye! Cars keep coming out of nowhere on my left side"	Check vital signs:	
10		
79 year old man with HTN and Afib presents with vision loss "I can't see out of my left eye! Cars keep coming out of nowhere on my left side"	Check vital signs: 1. Vision	
11		•
79 year old man with HTN and Afib presents with vision loss	Check vital signs: 1. Vision – <mark>20/20 OU</mark>	

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







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:

- Vision 20/20 OU
 Pupils No rAPD

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

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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...

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"

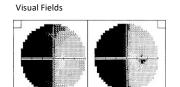
Visual Fields





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"



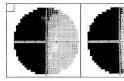
19



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

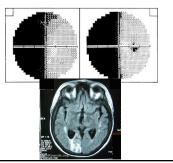
20



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



Vision loss case 2



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

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

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Vision loss case 2



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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Vision loss case 2



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

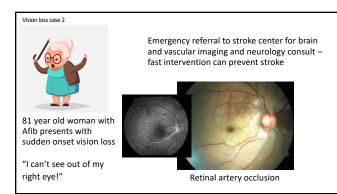
"I can't see out of my right eye!"

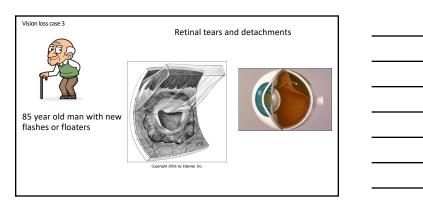
Check vital signs:

- Vision CF OD, 20/20 OS
 Pupils right rAPD
- 3. Visual field

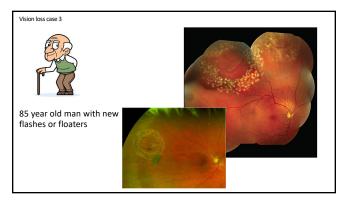


Retinal artery occlusion



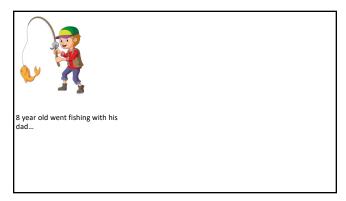


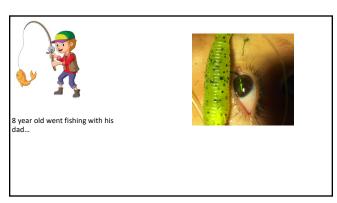


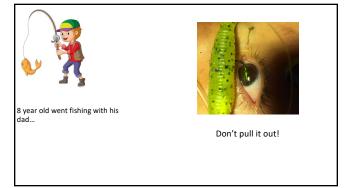




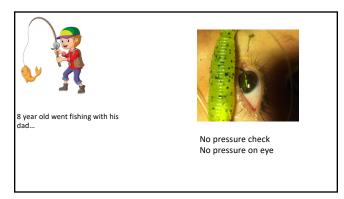


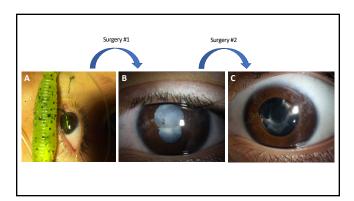


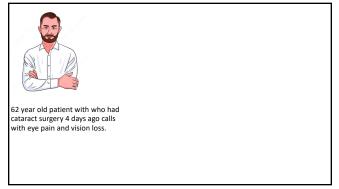


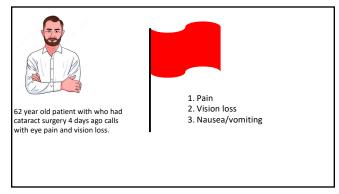


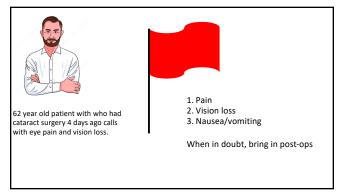


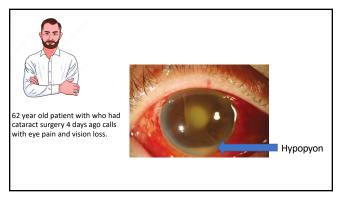


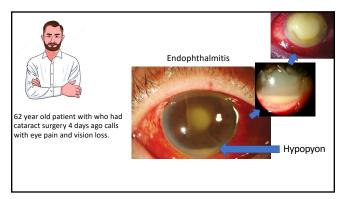


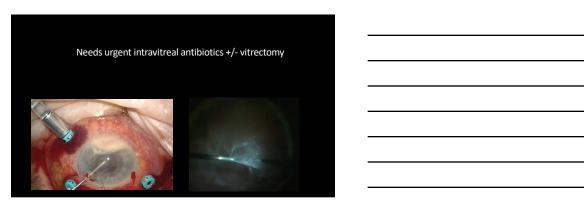


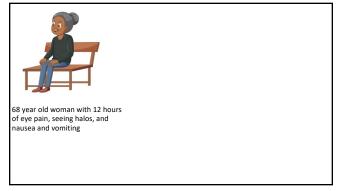














68 year old woman with 12 hours of eye pain, seeing halos, and nausea and vomiting

- Check vital signs:

 1. Vision CF OD, 20/20 OS

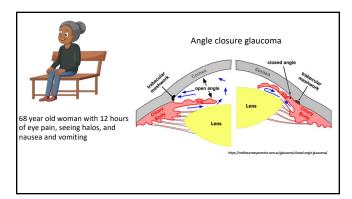
 2. Pupils ???
- 3. IOP 55

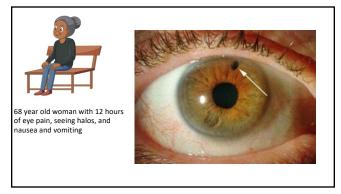
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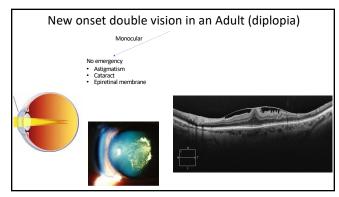
68 year old woman with 12 hours of eye pain, seeing halos, and nausea and vomiting









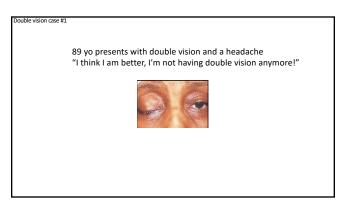


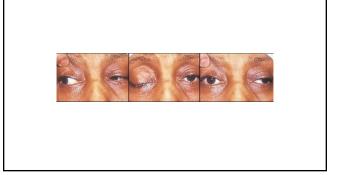
No emergency - Astigmatism - Cataract - Epiretinal membrane Possible emergency - The two eyes are not lining up - Eye muscle problem (thyroid eye disease, orbital cellulitis, trauma) - Canal nerve 3, 4 or 6 problem - Compression from tumor, aneurysm, or high ICP - Ischemia (HTN, DM, Giant cell arteritis) - Brain problem (CVA, myasthenia gravis, global dysfunction/encephalopathy)

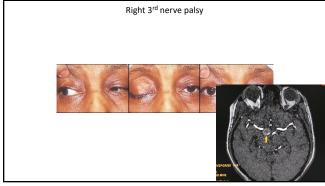
50

Rinocular Extraocular muscle entrapment Possible emergency • The two eyes are not lining up • Eye muscle problem (thyroid eye disease, orbital cellulitis, traums) • Compression from tumor, aneurysm, or high (CP) • Ischemia (HTN, DM, Giant cell arteritis) • Brain problem (CVA, myasthenia gravis, global dysfunction/encephalopathy)

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















Ocular Emergencies 1. Acute, painless vision loss 2. Acute, painful vision loss 3. Acute onset, binocular double vision Don't forget to think slow









