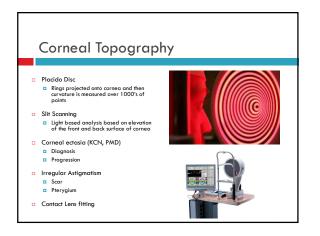


Financial Disclosures

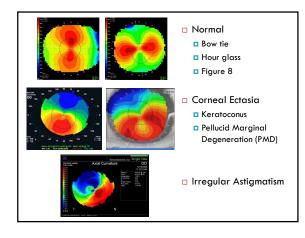
I do not have any financial interest in any of the parts of the lecture today.

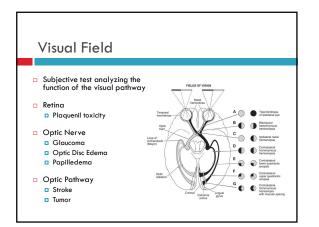
Objectives

- Describe the purpose of ancillary testing such as visual field, corneal topography, fundus photography and OCT
- Discuss normal vs abnormal findings in these tests
- Discuss how these tests apply to the cases presented

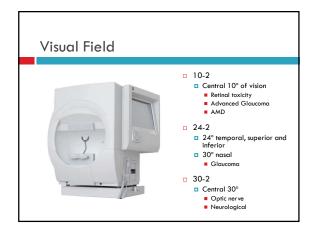




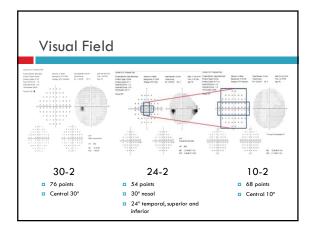




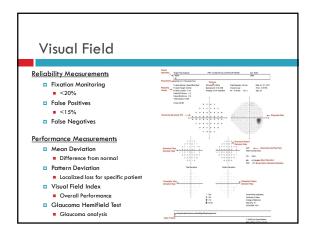




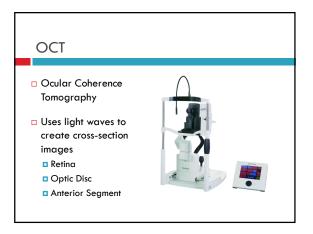


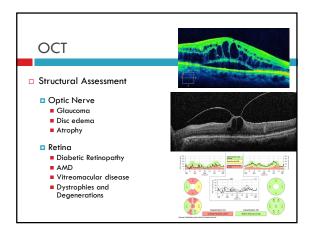


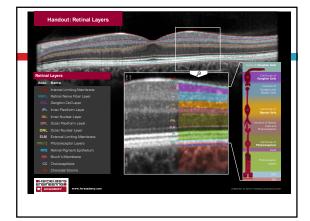




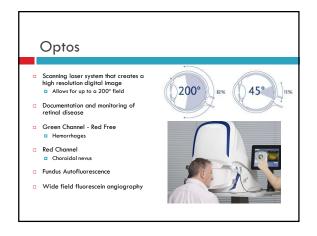


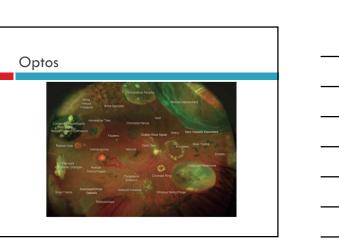


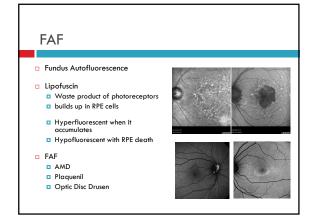


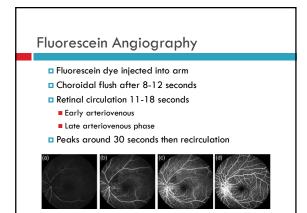


4





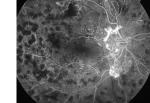




Fluorescein Angiography

HypofluorescenceBlocking defect

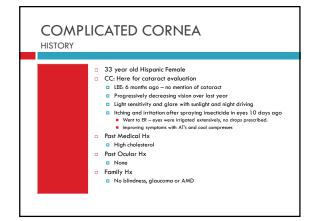
Filling defect

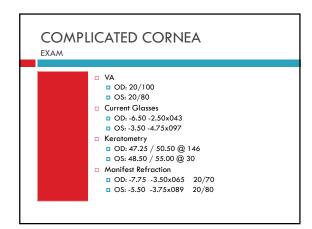


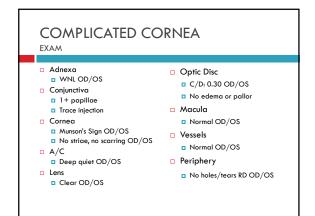
HyperfluorescenceLeakage

Staining

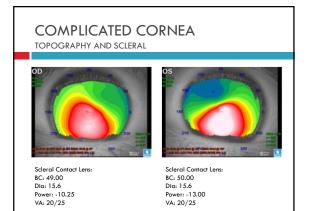
A COMPLICATED CORNEA...AND MORE







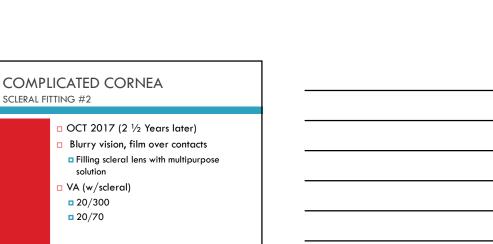


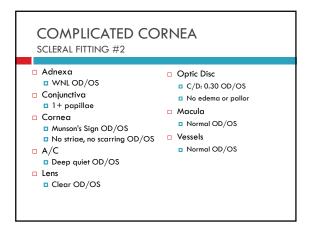


SCLERAL FITTING #2

solution

20/300 **2**0/70



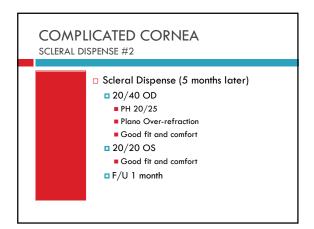


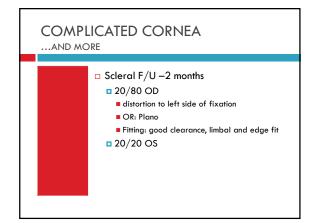
8

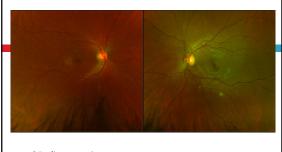
	COMPLICATED CORNEA DPOGRAPHY COMPARISON
MAY 2015	OS Company of the second seco
OCT 2017	



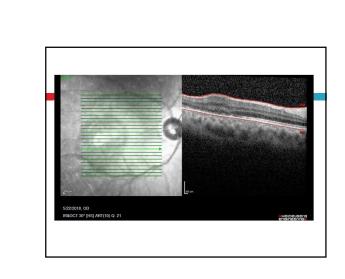
SCLERAL FITTING #2		
2015	2017	
OD:	OD:	
BC: 49.00	BC: 52.00	
Dia: 15.6	Dia: 15.6	
Power: -10.25	Power: -13.50	
VA: 20/25	VA 20/20	
OS:	OS:	
BC: 50.00	BC: 54.00	
Dia: 15.6	Dia: 15.6	
Power: -13.00	Power: -16.50	
VA: 20/25	VA: 20/20	

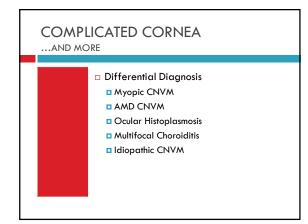


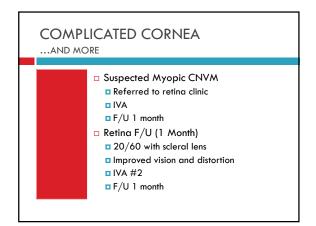


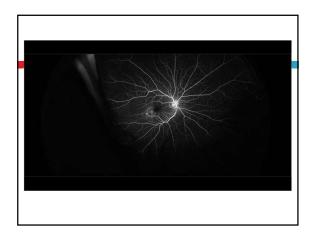


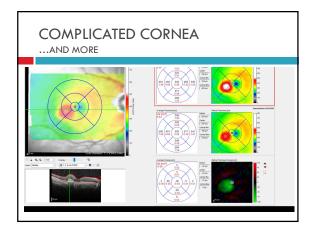
- OD: flat, round, grey
 Subretinal lesion under macula
 - OS: WNL



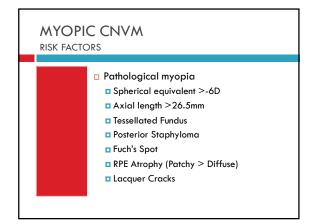




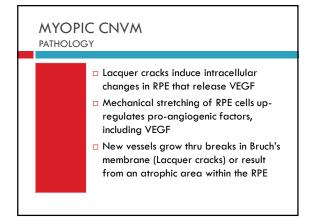






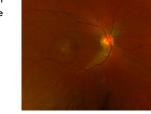






MYOPIC CNVM

 Highly myopic patient with sudden decrease in VA (20/40 to 20/100) or onset of metamorphopsia

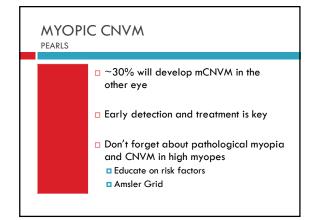


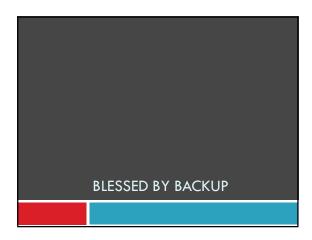
 Small (<1DD) flat, greyish subretinal membrane

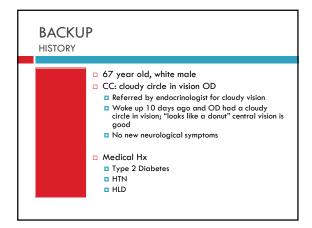
MYOPIC CNVM TREATMENT

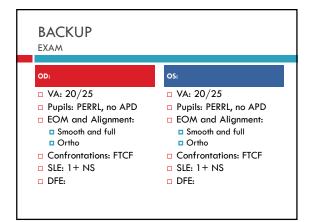
Anti-VEGF

- Lucentis = Eylea = Avastin
 Average improvement in BCVA was
 - 13.8 letters after 12 months

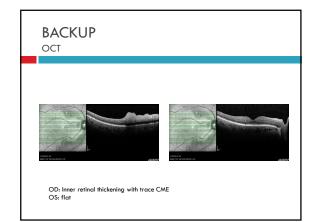


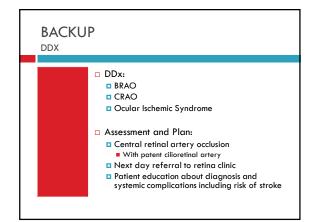


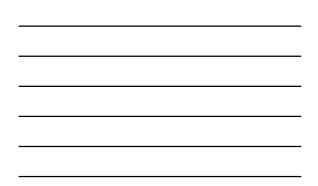


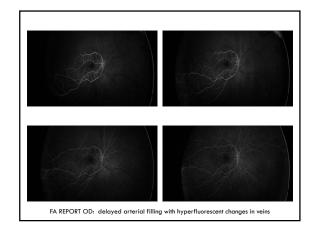


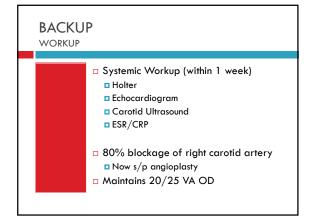


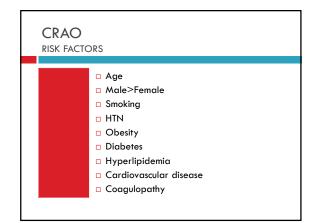


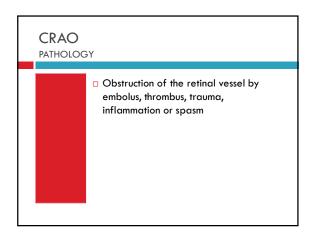


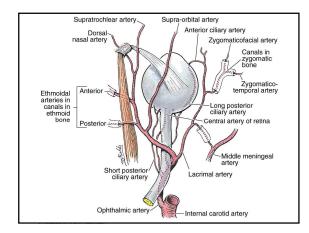




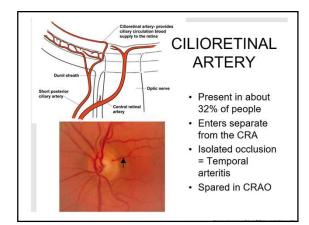




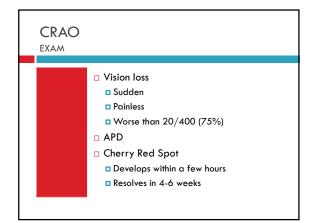


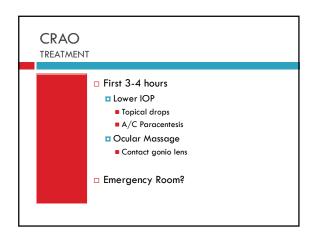


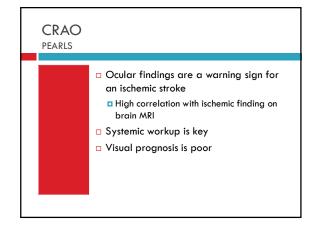


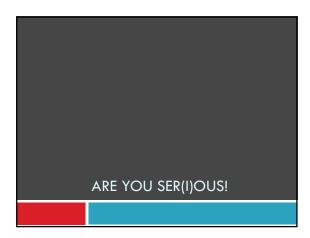


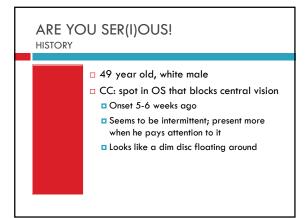






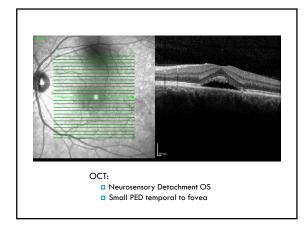






EXAM	
OD:	os
 VA: 20/20 cc Pupils: PERL, no APD EOM: full Confrontations: full SLE: unremarkable DFE: C/D: 0.20 Macula: WNL Vessels: WNL Periphery: WNL 	 20/20 cc Pupils: PERRL, no APD EOM: full Confrontations: full SLE: unremarkable DFE: C/D: 0.20 Macula: round serous elevation Vessels: WNL Periphery: WNL

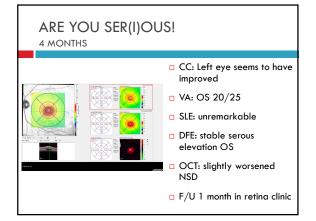


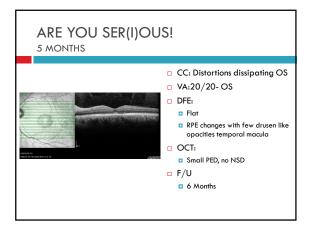


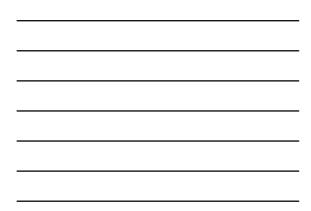
ARE YC DIAGNOSI	DU SER(I)OUS! s
	 DDx: Central Serous Chorioretinopathy CNVM
	 Diagnosis: Central Serous Chorioretinopathy Amsler grid provided F/U 1 month

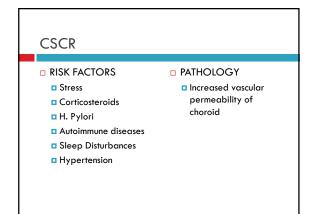
ARE YOU SER(I)OU 6 WEEKS	IS!
CC: Stable, no changes XA: 20/20 OS Macula: unchanged OCT: unchanged F/U: 1 Month	

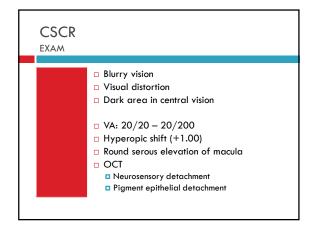


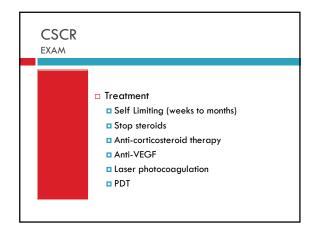


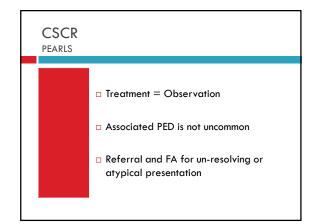


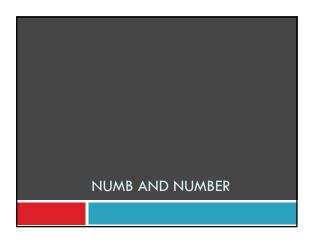


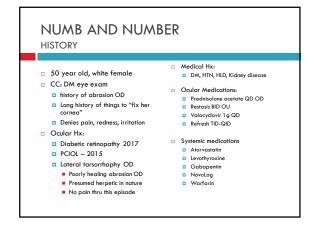














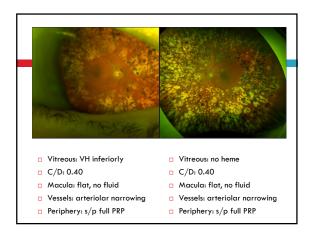
NUMB AND NUMBER EXAM OS:

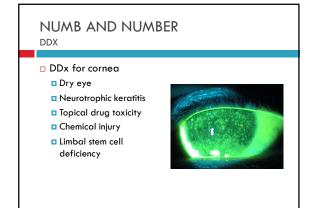
EOM: Full

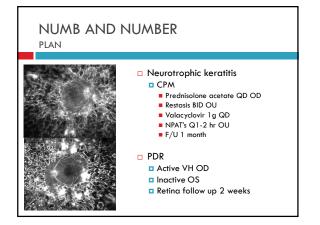
- Confrontations: constricted
- Adnexa: lateral tarsorrhaphy Conjunctiva: WNL
- Cornea: 2-3+ SPK, worst centrally; faint stromal scar?
- A/C: deep and quiet
- Lens: PCIOL in good position

	EOM: Full
	Confrontations: Full
	Adnexa: WNL
	Conjunctiva: WNL
п	Corneg: 1-2+ inferior S

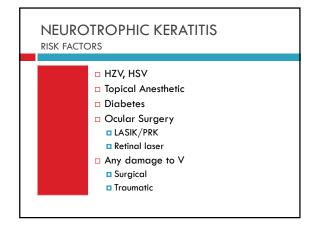
- Cornea: 1-2+ inferior SPK A/C: deep and quiet
- Lens: PCIOL

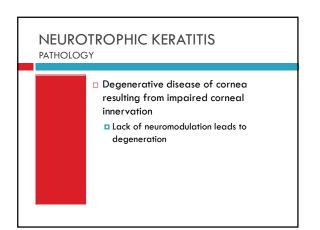


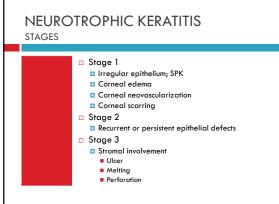


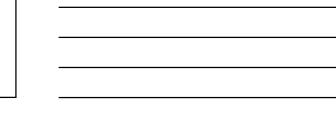


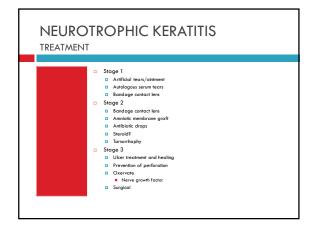


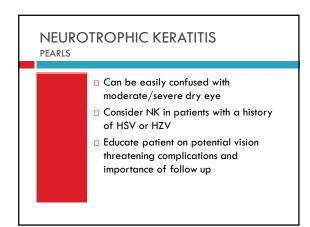


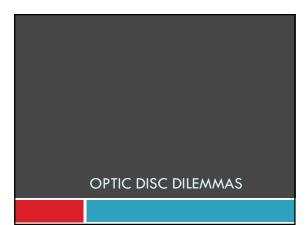


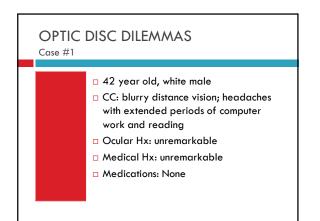


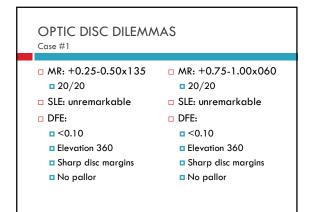


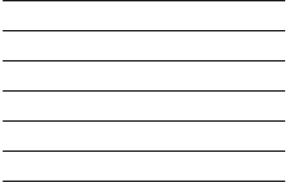


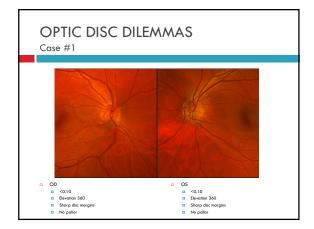




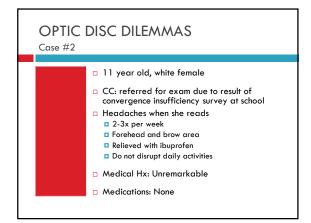


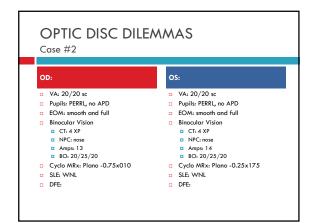




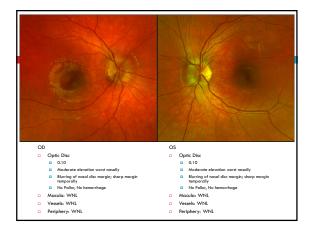




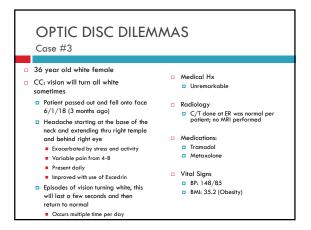




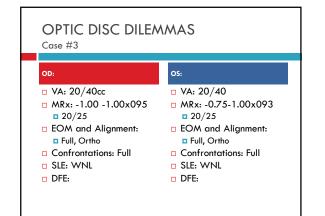






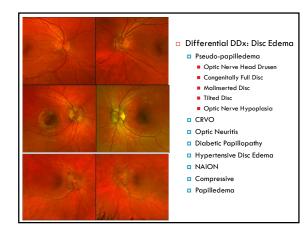








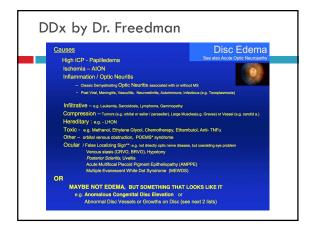




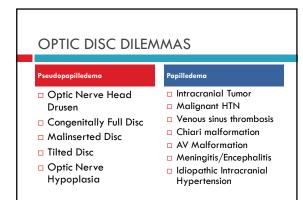
OPTIC DISC DILEMMAS

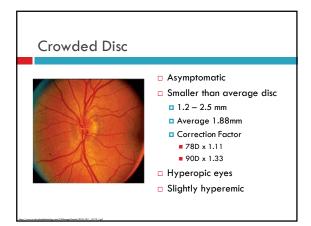
□ Optic disc edema ≠ Papilledema □ Papilledema is optic disc edema due to elevated intracranial pressure

□ Papilledema ≠ Pseudotumor Cerebri or Idiopathic Intracranial Hypertension

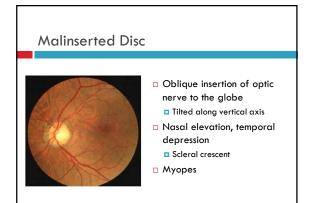


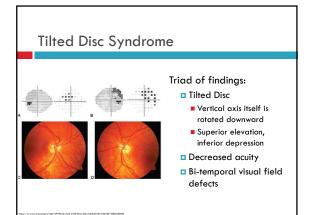






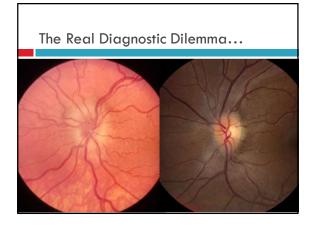


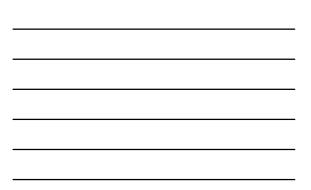


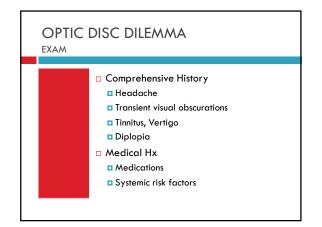


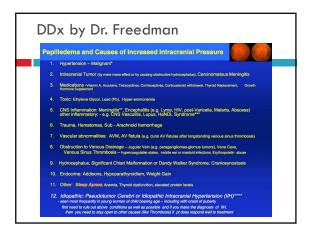


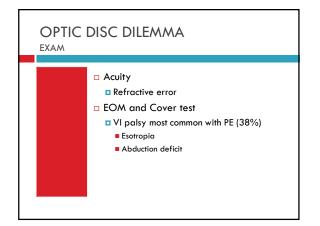
- Buried or Visible
- Elevation of disc
- With or without blurred marginsAnomalous vasculature
- Early branching at discTortuosity
- Move to surface as patient ages
 Scalloped borders
- Usually Asymptomatic
 Can have VF defects



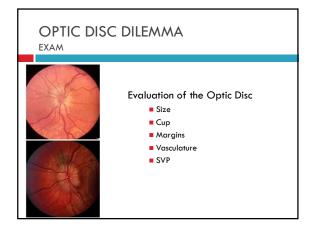


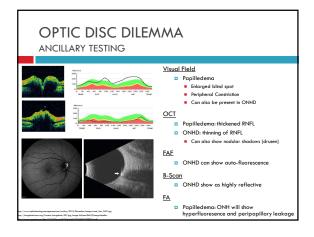


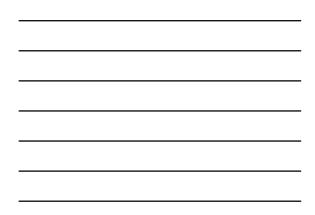








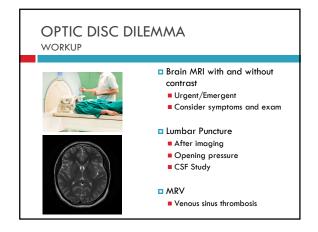


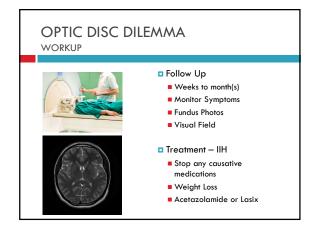


		Differentiating between C and Acquired Disc	
Feature	Congenital	Acquired	
Nerve Fiber Layer	Clear	Opacified	
Large Disc Vessels	Anomalous	Normal	
Small Disc Vessels	Normal	Telangietatic	
NFL Hemorrhage	Rare	Frequent	
Physiologic Cup	Small or absent	Normal (But may be obscured by edema)	
Drusen	Sometimes present	Absent	

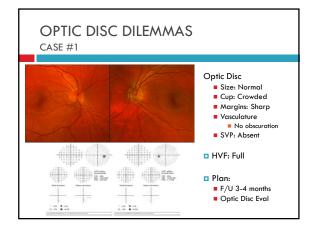
OPTIC DISC DILEMMA HISTORY AND EXAM			
Key Features	ONHD	Papilledema	
Visual Symptoms	TVL, VFD	TVL, VFD, Diplopia	
Headaches	None	If Present are worse upon awakening and/or postural changes	
Neurological Symptoms	None	Tinnitus, vertigo, nausea/vomiting, peripheral neuralgias	
Optic Nerve Appearance	Elevation confined to disc, SVP	Elevated swollen nerve, hyperemia, peripapillary vessel obscuration, +/- FSH, +/- CWS, +/- Paton's lines, SVP absent	
Vasculature	Anomalous branching pattern	Microvascular dilation	



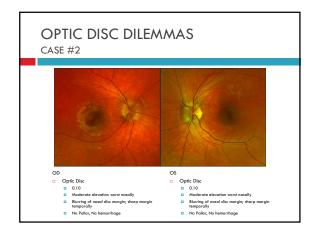


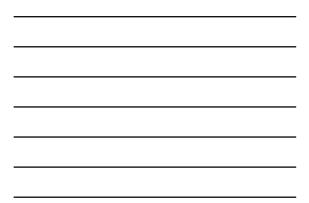


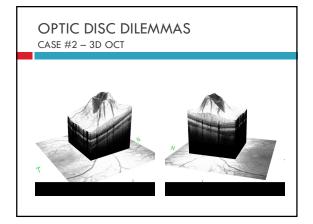




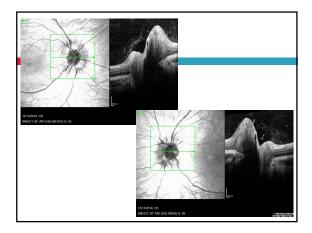




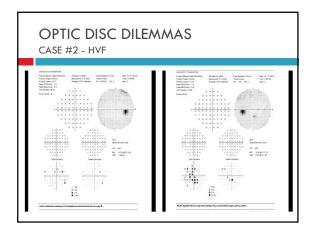


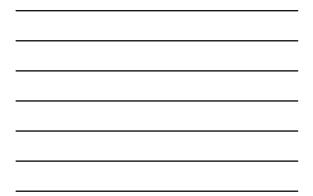


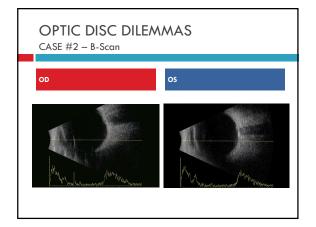




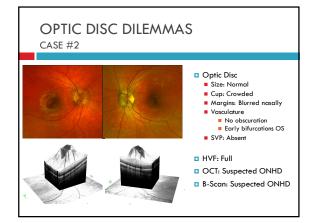


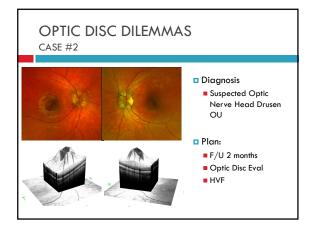




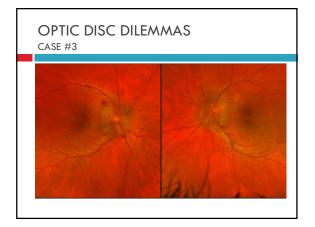




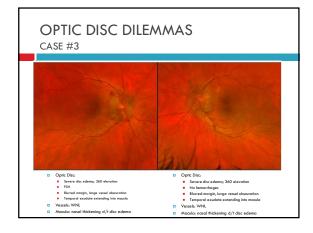






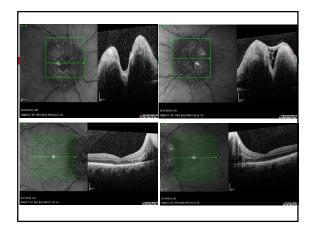




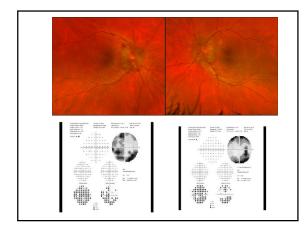




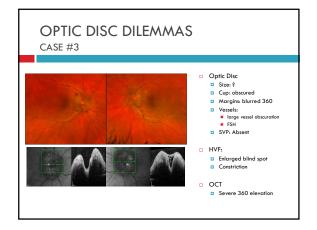




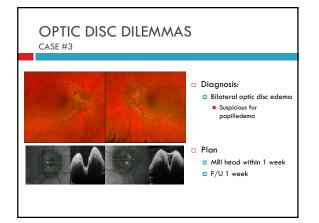


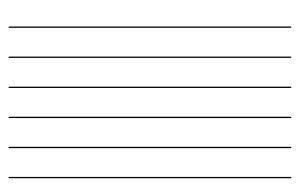


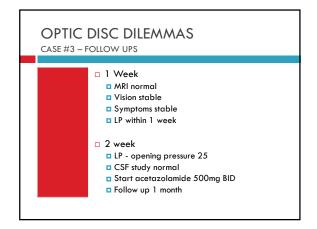


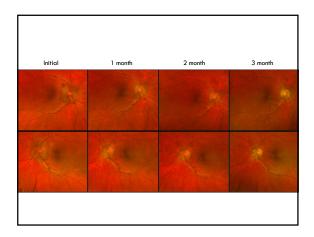








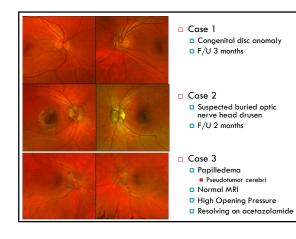


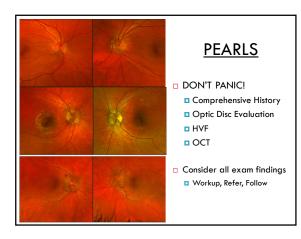




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