



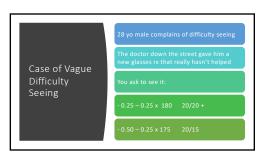
Top 15 Things You Should Never Miss! Women's Eye and Systemic Health
 Dubetes
 Dubetes
 Depersion
 The Face and Skin
 Fork
 Glacoma
 POK
 TOK
 TOK

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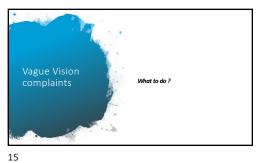


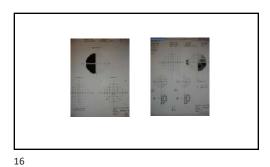


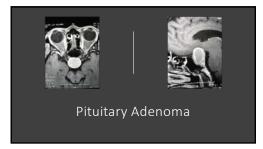
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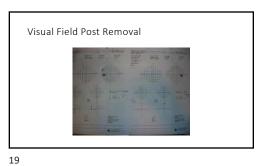












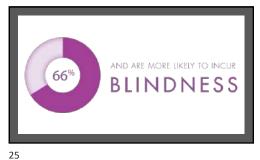
















Pregnancy Water Retention Water Retention

Change in Curvature

Change in Thickness

Decrease in Corneal
Sensitivity

Contact Lens
Risk and Eye during-pregnancy Health Change in Refraction

28

 Decrease in IOP (More in 2nd half of pregnancy term)
 Greater decrease in Ocular Hypertension Pregnancy and Increased aqueous outflow Eye Health Decreased episcleral venous pressure Decreased scleral rigidity Generalized acidosis during pregnancy



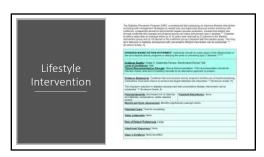
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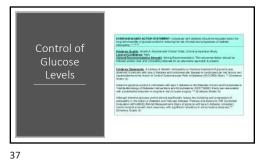




Diabetes Prevalence From 2001 to 2020, diabetes prevalence significantly increased among US adults 18 or older.
 37.3 million people have diabetes—that's 11.3% of the US population.
 28.7 million people have been diagnosed with diabetes.
 8.5 million people who have diabetes have not been diagnosed work of the US of the



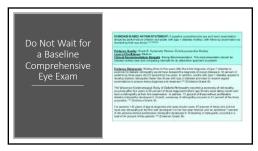






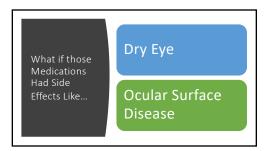












44 43



Referral Point for Help

- We all have a referral to
- Retina • Cornea
- Glaucoma
 Pediatrics
- Neuro Oculoplastics
- ...But do we have a referral to Mental Health

45 46



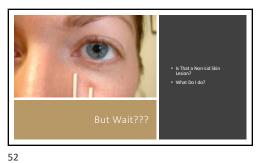


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Where Does the Eye End and the Cheek Begin??? Is That Our Turf Too???















Basal Cell Carcinoma – Physical Examination AAOphth



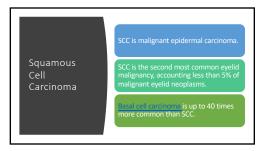
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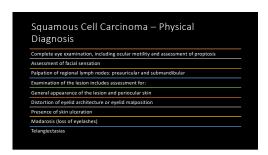














What Was I Initially Thinking?? Retro-orbital Mass Other

67 68

The Findings and the History

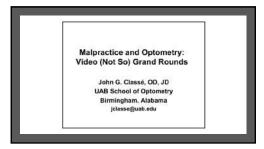
- Vision
- Lids
- Pupils • EOM's
- CVF's

69

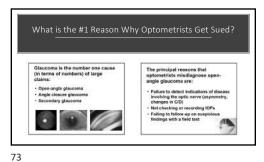
- Refraction
 How did he perform in the phoropter
- Medical History
- Weight Loss
 Upset Stomach







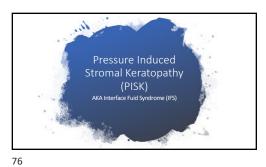
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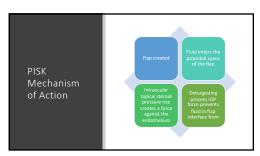
Pressure Induced Stromal Keratitis (PISK)

74

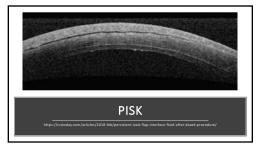


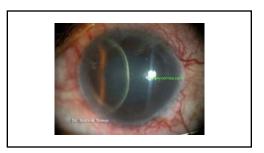




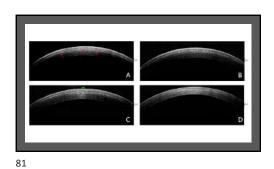


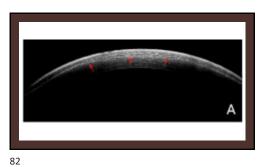
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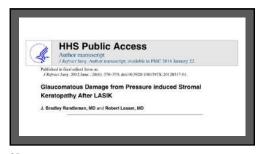


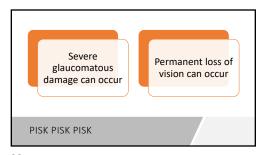


SMALL INTERFACE POCKETS STILL EXIST 1 WEEK POST OP



83

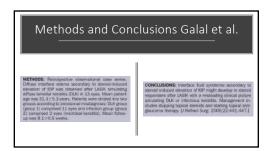


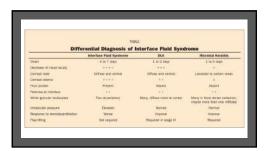


PISK Differential Diagnosis Interface Corneal Edema Secondary to Steroid-induced Elevation of Intraocular Pressure Simulating Diffuse Lamellar Keratitis

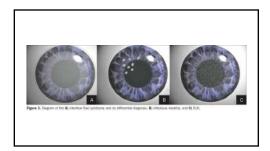
Ahmed Gala, MD, PhD, Alberto Arlols, MD, PhD, Jose Belds, MD, PhD, Jose Rokriguer-Pata, MD, PhD, Pepsad Chammote, MD, PhD, Alberto, Sárchez, MD, PhD; Oscar Rule Moreno, MD, PhD; Jesis Merayo, MD, PhD; Joseja Alo, MD, PhD

88





89 90





My Experience

91

93

- Patient uncomplicated LASIK treatment in Michigan
- Post op care in Virginia with 2 private practice OD's
- Diagnosed with DLK, on steroids for 3 weeks with no resolution
- Spoke with Me via phone call
- I asked for the patient to see me today
- Checked IOP 37/39
- Discontinued Steroid, started timpotic and brimonidine
- Patient told to stay in office until IOP reduced 30% or under 20 mmHg





@ GPICH ACCESS

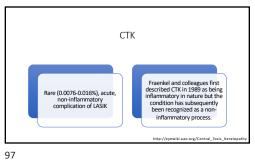
What is central toxic keratopathy syndrome if it is not diffuse lamellar keratitis grade IV?

Hazin, Ribb; (Docod, Vasciner, Khalifa, Yousuf.

Middle East African Journal of Ophthalmology; Riyadh Vol. 17, Iss. 1, (Jan 2010):60-2.

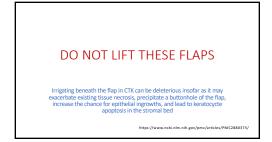
DOI:10.4103/0974-9233.51218

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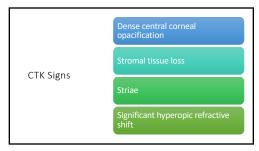


This is NOT DLK

98



100 99



CTK Differential Diagnosis Diffuse Lamellar Keratitis Infectious keratitis Interface fluid Corneal haze secondary to increased IOP Superficial punctuate keratitis Epithelial ingrowth • Trauma

102 101



THE PROGRESS FOR CITE S DICELLINIT.

IN MOST CASES, THE CONDITION
RESCUES WITHIN 11 MONTHS OF THE
RICTING REPRACTIVE PROCEDURE.

USES OF RETIRIT COMMUNICATION,
FOLLOW-UP AREA MAINTENANCE IS
REQUIRED.

103

Transient Vision Loss

• Must Be

Dry Eyes

105

Transient Vision Loss

- But What if the patient was a 78 yo F
- During the history, she noted 5-8 seconds of flickering vision
- Does that change the way you approach the case?

What if it was the Same Case

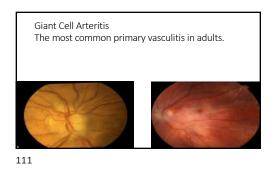
- But now it is a 78 yo Male with 5-8 seconds of flickering vision AND a headache (of any shape or form)
- What is in your differential list?
- $\bullet \ \mbox{What questions do you want to ask?}$

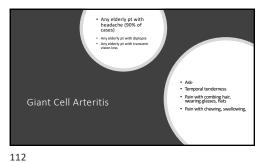
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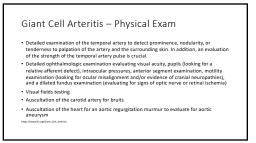
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Top gand; Pštholigis specinke from a patient with bigay giften gigaf cell arteritis. Multi-nucleated glant cells (arrow) a for present in the vested wall.

Bostom pank likely power view.
Photograph courtey of beell lasgow, M.D.



113 114

Low Vision

New Devices, New Diseases and New Technology

Thyroid Eye Disease (TED)

If Its Red...It Might Be TED!

115

116

Thyroid Medications

• Insert image of thyroid medications here

• How many women take thyroid medications example

Itchy Burning Eyes

• Must Be More Dry Eyes

117

118

Case of Irritated Burning Eyes

 35 yo female with 6 weeks of eye irritation



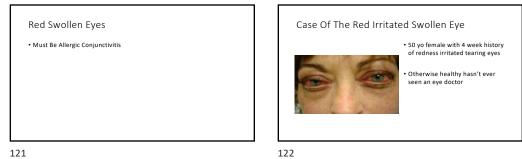
 Gets somewhat better with antibiotic drops only to recur Case of Irritated Burning Eyes

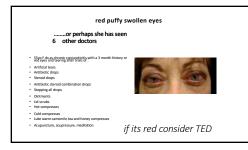
Thyroid eye disease

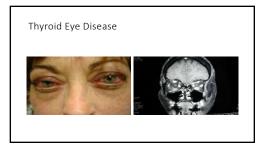




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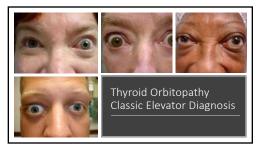






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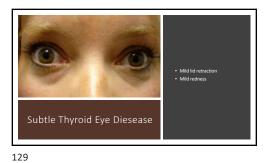




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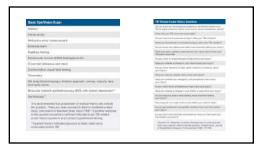




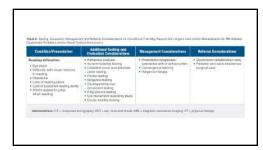
Traumatic Brain Injury

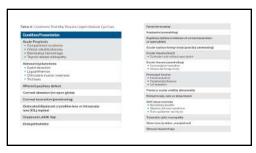












Keratoconus



Purpose of the Project

- Desire to reach consensus
- Keratoconus
- Ectatic diseases
- Focus on Definition
- Concepts
- Clinical Manangement
- Surgical Treatments

Design and Organization

139 140

Conclusions

- Resulted in the diagnosis and management of keratoconus and other ectatic diseases via worldwide insight
- · Conclusion resulted in
- Definitions
- Statements

Recommendations

Selection of Expert Panel

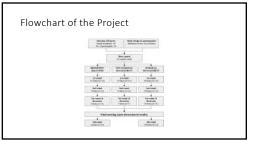
- Ophthalmologists with experience in the management of keratoconus and ectatic diseases
- Authorship of scientific publications in high-impact medical journals
- Wide recognition by the specialized medical community
- Willing to comply with the initial question rounds, face-to-face meeting, and project timelines

141 142

Selection

- Worldwide geographic distribution
- Represent 4 Ophthalmological Cornea socities
- Asia Cornea Society (Asia)
- Cornea Society (USA and international)
- EuCornea (Europe)
 PanCornea (Latin America, USA and Cananda)

• Each society had 4 experts plus coordinators



Definition and Diagnosis

Mandatory Findings to Diagnose Keratoconus

- Abnormal POSTERIOR Ectasia
- Abnormal Corneal Thickness Distribution
- Clinical Non-inflammatory corneal thinning
- Values and reference points vary based on device used for screening

145 146

Ectatic Disease List

- Keratoconus
- Pellucid Marginal Degeneration (PMD)
- Keratoglobus
- Post Refractive Surgery Ectasia

Non-Ectatic Corneal Diseases

- Terrien Marginal Degeneration
- Dellen
- Inflammatory Melts

147 148

Initial Consensus Statements

- Keratoglobus and Keratoconus are different clinical entities
- True unilateral keratoconus DOES NOT EXIST
- Thinning, location and pattern are aspects that distinguish Keratoconus, PMD and Keratoglobus

Best way to distinguish Keratoconus from PMD

- Full corneal thickness map
- Slit lamp exam
- Anterior curvature map
- Anterior tomographic elevation map

Least Reliable Indicator or Determinant • Central Pachymetry This is because Keratoconus can be present in a cornea of normal thickness	Consensus on Tests to Diagnose Early or Sub-Clinical Keratoconus • Tomography (Scheimpflug or OCT)* Posterior corneal elevation abnormalities must be present to diagnose mild or sub-clinical keratoconus *Best and Most Widely Available tests
151	152
Definition of Ectasia Progression Consistent change in at least 2 of the 3 following parameters Steepening of the anterior corneal surface Steepening of the posterior corneal surface Thinning and/or an increase in the rate of corneal thickness change from the periphery to the thinnest point Changes need to be consistent over time and above normal variability	Ectasia Progression • A change in both UCVA and BSCVA is NOT required to document progression • Testing for progression should be SHORTER for younger patients • The same measurement platform should be used in sequential examinations
153	154

155 156

CDC and FDA Warnings

Time to Get on The Blast Email List!

Herpes

Eye Trauma

What Do I Need In My Office? What Do I Do? Where and How Do I Refer it Out? How Do I Document It?

What Do I Do First?

157 158

Eye Color and Eye Dominance I Mean Who Records It? Why Do I Need To?

Do You Record Eye Color on Your Chart?

- It Proves You examined the patient

- It Probes to Usadminus us paueris
 Can you imagine if you were asked in court if you remembered the patients C/D ratio?
 The Morgenstern, Do you remember what the C/D ratio of the patient was?
 "Are too Sure?"
 "Do you even remember the patients eye color?"
 "So you are an eye doctor and you don't even know the color of the patients eyes."
 Similar to Dental Records in situation of Missing Persons.

- Can refraction change in situations of ocular disease or medication use?
 Of Course! Is it valuable clinical data? Absolutely!
 Can eye color change in situations of ocular disease or medication use?
 YES!

159 160

