





HISTORY:

* A heavy upper lid:"tired feeling"

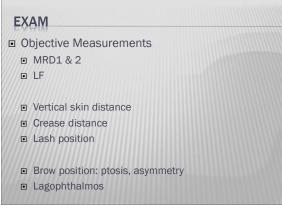
* Dimming or problems w/peripheral vision

* Lifting brow/forehead

* Manually lifting the lids to see, esp when reading

* HA or neck pain from lifting brow or chin up positioning

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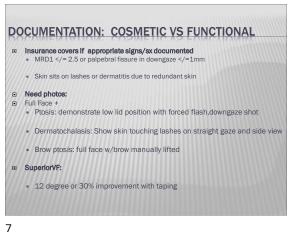


* Levator Function (LF) >12mm

* Margin To Reflex Dist (MRD 1) >2.5mm

* Vertical skin distance

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INGREDIENTS TO A GOOD OUTCOME × A. HOF * B. Lid crease * C. Lash ptosis × D. FES x E. Ptosis * F. Brow ptosis

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TREATMENT OPTIONS

BLEPHAROPLASTY * The amount of skin you leave behind is more important than the amount you take away. * It is important to leave at least 1.5 to 2 cm of skin from the inferior eyebrow cilia to the lid margin to allow for adequate lid closure postoperatively.

BLEPHAROPLASTY SURGICAL TECHNIQUE · Mark skin with fine tip marker * Inferior edge: natural lid crease from lateral canthus to puncta * Temporal 15degree, nasal 30degree upswing. * Superior edge based on vertical skin measurements & pinch test with nontoothed forcep.

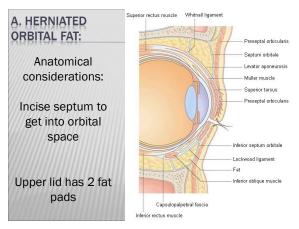
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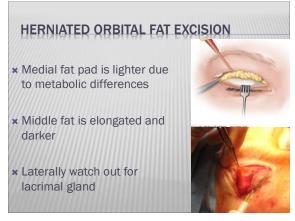




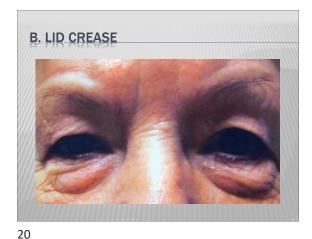


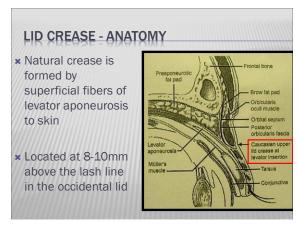












SURGICAL CORRECTION * Create a skin flap extending inferiorly to obliterate low/abnl crease * Remove a strip of tissue (orbic, septum) at level of new crease

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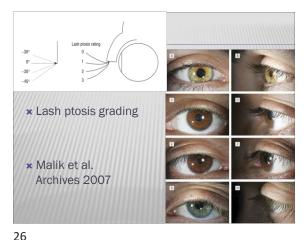




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LASH PTOSIS

- Lash ptosis may result from anatomic changes in the orbicularis muscle or tarsal plate.
- Associations:
 - FES
 - Ptosis
 - Dermatochalasis: excess skin changes lid muscle tension
 Facial palsy: Mulhern et al study found that 42% of pts had
 LP. Loss of pretarsal orbicularis&Riolan muscle tone compromises support to muscle fibers&lash follicles.
 - Trichomegaly from latanoprost: Relatively larger eyelashes overcome support that maintains follicle projection



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FES

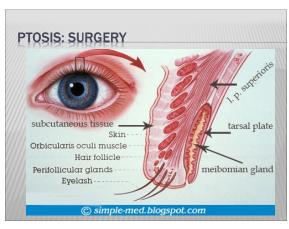
- Spectrum of Disease: Acquired lax eyelid syndrome floppy eyelid syndrome.
- · Symptoms: eye irritation/pain, tearing, redness.
- Findings: Easily everted lid (unilateral or bilateral), lash ptosis, papillary conjunctivitis, can also cause ptosis.
- Histologically: tarsal elastin is markedly decreased while collagen structure remains normal.
- · Ask about sleep apnea symptoms, consider sleep study
- Rx: Surgery

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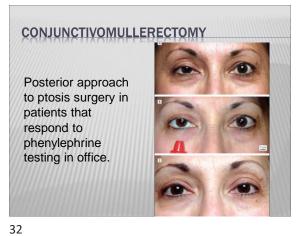
- MRD1 </= 2.5 or palpebral fissure in downgaze </=1mm</p>
- * Maybe congenital or acquired
- Surgery: external approach (levator advancement) vs internal approach (conjunctivomullerectomy)





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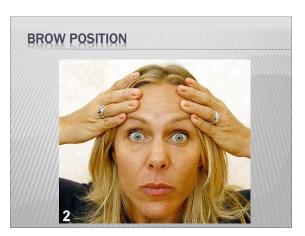








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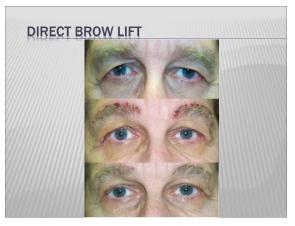


BASIC METHODS TO ALTER BROW

 Direct brow lift: Direct excision of ellipse of brow skin – WILL leave a scar

 Endoscopic forehead lift: Shifting of entire forehead backward to elevate brow

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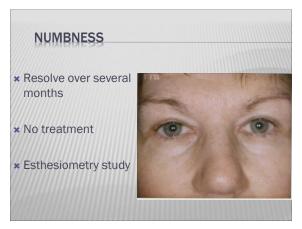


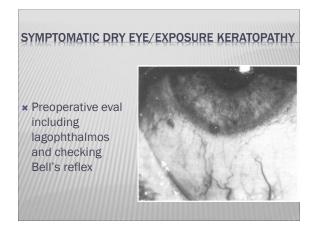






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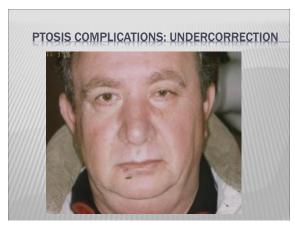


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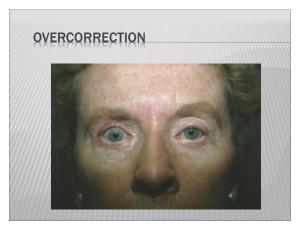






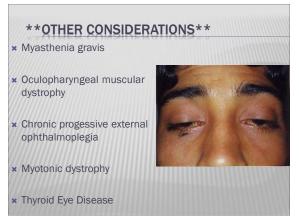


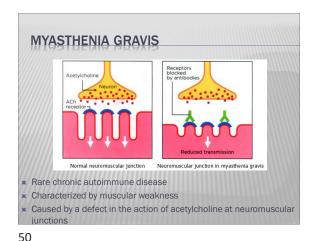
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MYASTHENIA GRAVIS

- * May be generalized or ocular only
- * Elicit history of symptoms worse at end of day
- May have fatigue with chewing, swallowing/breathing prob, generalized fatigue worse in evenings

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MYASTHENIA GRAVIS

- During exam look for fatigability of muscles (prolonged upgaze) and ice pack test
- Diagnostic labs: Ach binding/blocking/modulating Ab, MUSK
- * Consider CXR if abnormal to rule out enlarged thymus
- May require neurology consult and EMG in setting of high suspicion and negative labs
- * Tx: Mestinon Steroids IVIG Plasmanharesis

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OCULOPHARYNGEAL MUSCULAR DYSTROPHY

- * Autosomal dominant muscle disorder
- * Usually late onset
- OPMD is characterised by slowly progressive bilateral ptosis, dysphagia and proximal limb weakness, appearing after the age of 40 years

OCULOPHARYNGEAL MUSCULAR DYSTROPHY



- French Canadian descent or Bhukaran Jewish descent
- Diagnosis made by genetic testing:PABPN1

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CHRONIC PROGRESSIVE EXTERNAL OPHTHALMOPLEGIA

- * Array of hereditary myopathies affecting extraocular muscles
- * Manifests as bilateral ptosis and ophthalmoplegia
- * 60% cases of mitochondrial CPEO are due to mitochondrial DNA mutations (can be inherited or acquired)

CPEO * Tends to begin in young adulthood * Bilateral symmetric ptosis usually is the first clinical Ophthalmoplegia may not become apparent for months to years × Dx: Muscle biopsy

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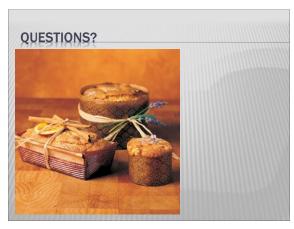
MYOTONIC DYSTROPHY

- * Ptosis with limited EOM
- * Other findings: christmas tree cataract, frontal balding, intellectual impairment, heart block which distinguishes this from OPMD
- * Diagnosis by genetic testing of DMPK gene

THYROID EYE DISEASE * Inflammatory disorder due to autoimmune reaction to tissues around the eye. Most patients with TED have signs and/or symptoms in both eyes but can be asymmetric in severity. * Common manifestations of TED are swelling, diplopia, dry eye, lid retraction * Unilateral lid retraction can create pseudoptosis of opposite

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