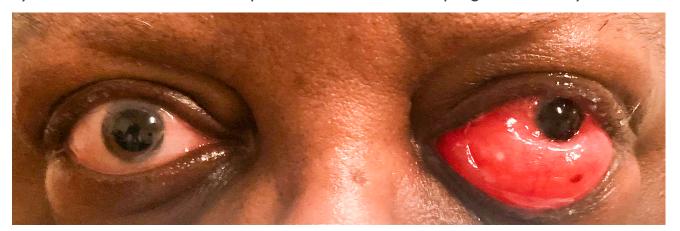
UNILATERAL CHEMOSIS WITH SEVERE REACTIVE CHANGES MASQUERADING AS CONJUNCTIVAL NEOPLASM

Siwei Zhou, MD
ASOPRS Oculoplastics Fellow
Wills Eye Hospital

WILLS EMERGENCY ROOM

• 47 year-old African-American M presents with I week of progressive left eye chemosis



Past Ocular History	
•	Large Angle Alternating
•	High myonia – wears g

Past Medical History

- Autism, nonverbal at baseline
- Recent admission for COVIDassociated pneumonia
- Recent diagnosis of OSA
- HTN
- No history of thyroid dyscrasia

Past Surgical History

Testicular surgery (age 13)

Medications

Amlodipine 10mg

Social and Family History

- No alcohol, tobacco, or drug use
- Lives with mom in NJ

Review of Systems

No fevers/chills

EXAM

 V_{CC} 20/60

P No afferent pupillary defect
No afferent pupillary defect



Prominent globes, floppy eyelids bilaterally.

CT ORBITS WITHOUT CONTRAST

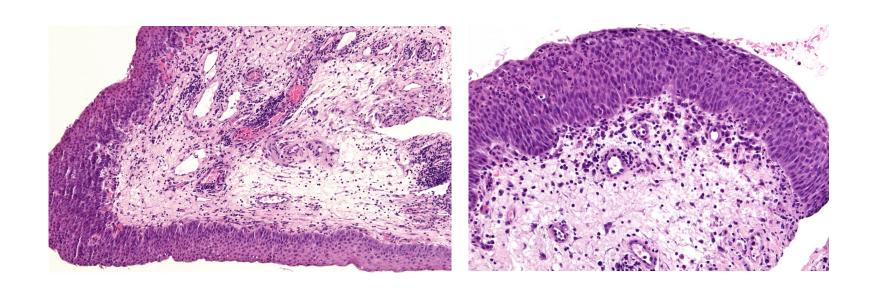




SURGICAL EXPLORATION

- Given significant exposure operating room for drainage and biopsy of chemosis
- Lateral permanent tarsorrhaphy
- Medial temporary tarsorrhaphy





CONJUNCTIVAL BIOPSY HISTOPATHOLOGY

→ Conjunctival intraepithelial neoplasia (CIN) with severe dysplasia

STATUS POST INITIAL BIOPSY AND TARSORRHAPHY

Post-operative week I

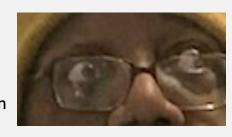


Post-operative week 2



→ Resolution of chemosis on topical corticosteroid drops

→ I month prior to presentation



REFERRAL TO OCULAR ONCOLOGY?

CIN is a slow growing tumor

Clinical history and response to steroids was inconsistent with CIN

~ 2 WEEKS POST-OP

- Mom witnessed spontaneous globe subluxation of the right eye (previously unaffected)
- Postulated that shallow globe configuration and floppy eyelids predisposed him to globe subluxation.
 - Globe subluxation → severe chemosis of the left eye



ORBIT 2020, VOL. 39, NO. 3, 190–196 https://doi.org/10.1080/01676830.2019.1648521



SURGICAL TECHNIQUE



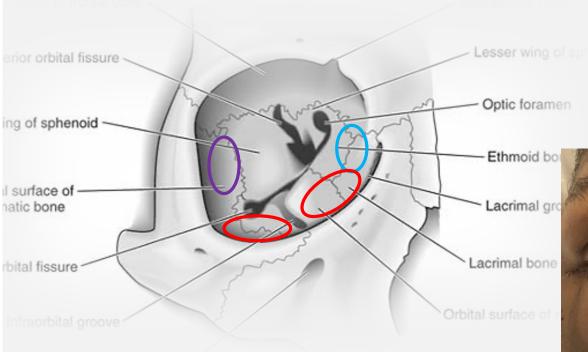
Deep lateral rim-sparing orbital wall decompression in spontaneous globe subluxation associated with shallow orbits and eyelids laxity

Álvaro Bengoa-González^a, Bianca-Maria Laslău^a, Agustín Martín-Clavijo^b, Enrique Mencía-Gutiérrez o^a, Elena Salvador^c, and María-Dolores Lago-Llinás^a



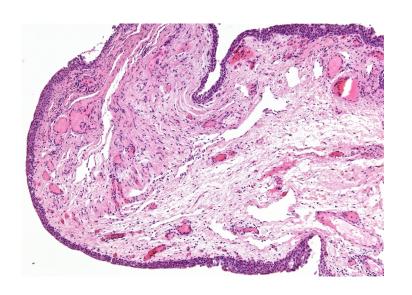


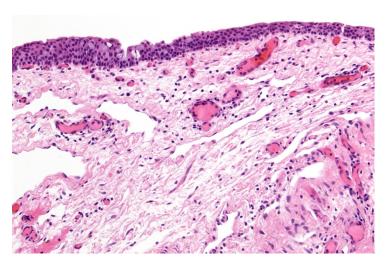
NEXT STEP FOR OUR PATIENT: OPERATING ROOM



- Bilateral 3-wall decompression
- · Repeat conjunctival biopsy of the left eye
- Bilateral lateral permanent tarsorrhaphies







REPEAT CONJUNCTIVAL BIOPSY

→ Resolved chemosis, no neoplasia

5 MONTHS S/P DECOMPRESSION



CONCLUSIONS

- ❖Shallow globe and floppy eyelids can predispose to spontaneous globe subluxation
 - The treatment of choice is orbital decompression
- Severe chemosis from exposure can be histopathologically indistinguishable from conjunctival intraepithelial neoplasia (CIN).
- It is essential to correlate pathological evaluation with clinical history.
- A close working relationship between clinicians and pathologists is essential to guide patient management.
- When in doubt, repeat biopsy may be necessary.

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- Dr. Jacqueline Carrasco
- Dr. Ralph C. Eagle, Jr.
- Dr. Tatyana Milman
- Dr. Mary Stefanyszyn
- Dr. Alison Watson