On behalf of Vision Expo, we sincerely thank you for being with us this year.

Vision Expo Has Gone Green!

1

We have eliminated all paper session evaluation forms. Please be sure to complete your electronic session evaluations online when you login to request your CE Letter for each course you attended! Your feedback is important to us as our Conference Advisory Board considers content and speakers for future meetings to provide you with the best education possible.



2

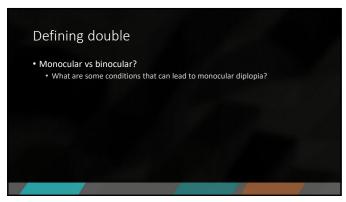
Disclosure Slide

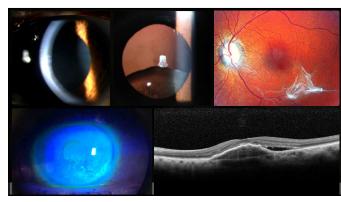
• Dr Bozung, faculty for this educational event, has no relevant financial disclosures to disclose.





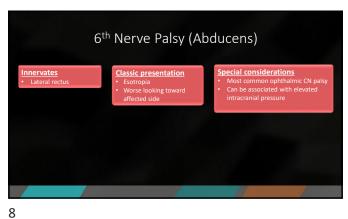
3



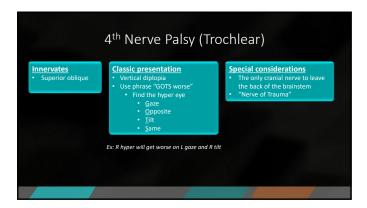


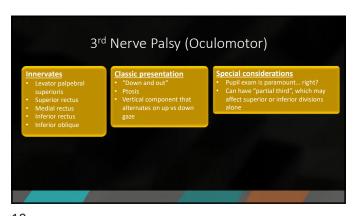
5 6



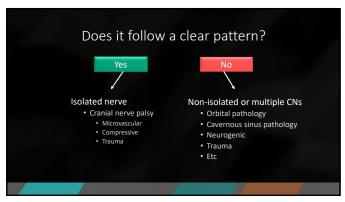


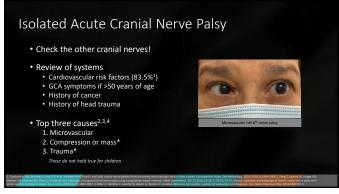
7



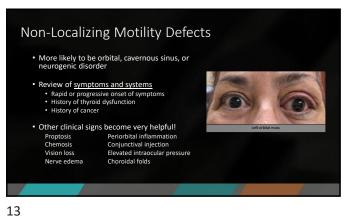


9 10



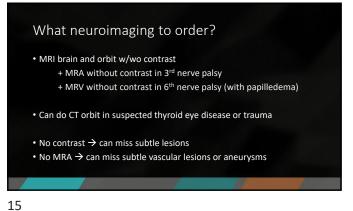


11 12





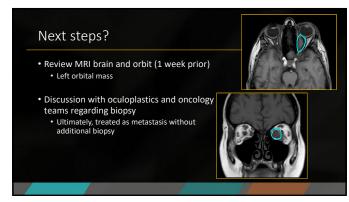
14



Case 1 • 69 year old female • Presents for horizontal diplopia with headaches for 2 weeks • Past medical history • Primary right breast cancer, Dx 5-6 years ago • Known osseous metastases • s/p multiple chemotherapy treatments · Not in remission

16





17 18



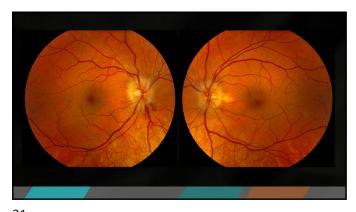
Case 2
44 year old female
Presents for acute onset horizontal diplopia

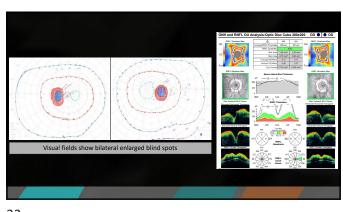
Associated headaches for 1 week

Past medical history

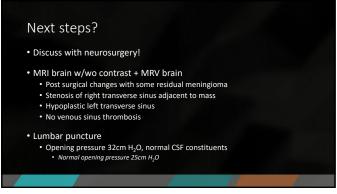
S/p cerebellar (tentorial) meningioma resection via suboccipital craniotomy two weeks prior

19 20





21 22



Next steps?

• Patient underwent angioplasty and stenting of right transverse sinus the following day

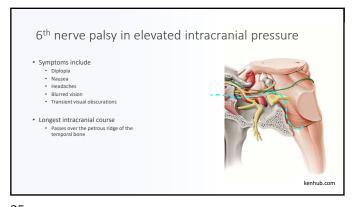
• Post surgical follow up

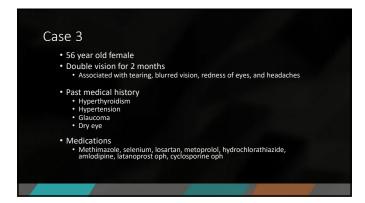
• Dramatic improvement in headaches

• Resolution of diplopia

• Significant optic nerve edema improvement

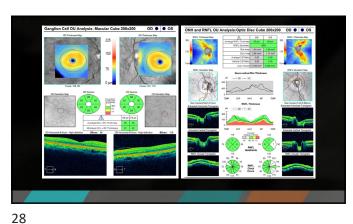
23 24





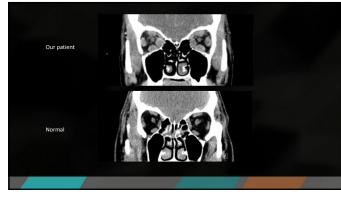
25 26



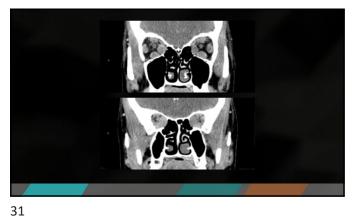


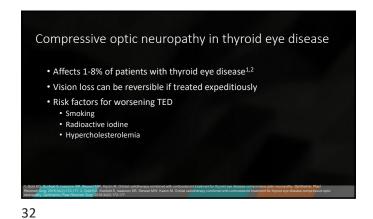
27 2

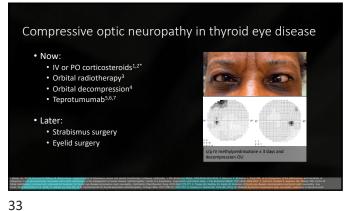




29 30

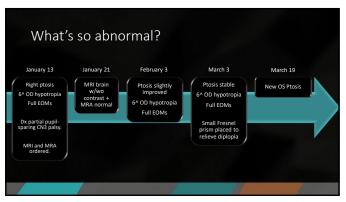


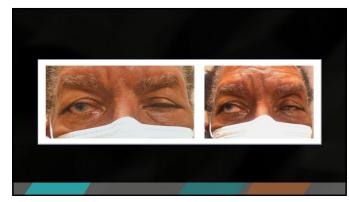




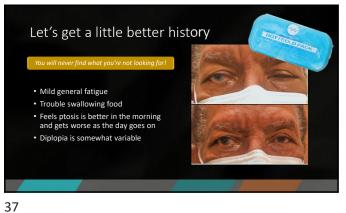
Case 4 • 80 year old male • Referred in for "abnormal extraocular motilities and ptosis" Past medical history • Hypertension, prostate cancer

34



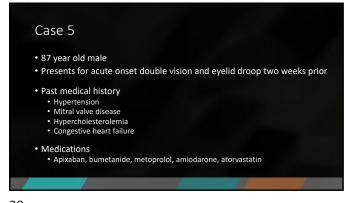


35 36



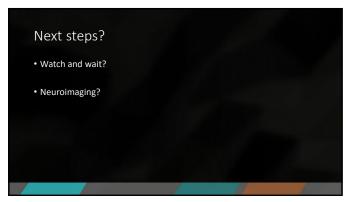
Myasthenia gravis¹ • 15% have ocular symptoms only Laboratory studies Acetylcholine receptor antibodies (85-90%)
 Muscle specific kinase antibodies (MuSK) (1-10%)
 Lipoprotein receptor-related protein 4 antibodies (LRP4) (1-3%) • Comorbid conditions • Thymoma in 10%, autoimmune disease (SLE, RA), thyroid disorder, others • Treatment • Corticosteroids, pyridostigmine, immunosuppressants, thymectomy*

38



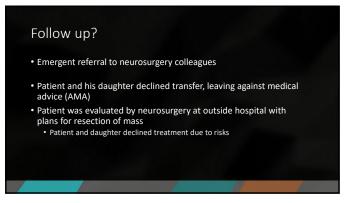


39





42 41



In Summary..

• Attempt to isolate the affected cranial nerve(s) affected

• If you cannot isolate a single neve, consider orbital, cavernous sinus, or neurogenic disorders

• Always complete a review of systems and medical history

• Neuro-imaging is indicated in many cases

43 44

