NEUROLOGY

Q: MENINGIOMAS AND SKULL (*2)

- Real skull is given, and you are asked to point to tuberculum sella
- What kind of meningioma occurs at this location?
- Where is the anterior clinoid process?
- Where is the posterior clinoid process?

Q: TRO (*2)

- Picture of patient with apparent lid retraction and poor elevation
- What is Ddx? Ddx of vertical diploplia?
- What do you think this is?
- What other symptoms and signs would you look for?
- Shows you Orbital CT-Scan with muscle involvement including IR and asks is this consistent with Dx?
- How would you treat this patient?

Q: TRO

- Patient with proptosis and lid retraction
- What is Dx?
- What is w/u?
- What is Tx?

Q: MYASTHENIA GRAVIS

- What is the cause of myasthenia gravis?
- Give me a step by step process for doing a Tensilon test (*2)
- What is Tensilon?
- What else can you use?
- How else would you work up a patient with Myasthenia?
- What is the management?

Q: CAVERNOUS SINUS

- Picture of patient with total ophthalmoplegia with CT-Scan of cavernous sinus problem (assymetrical convex vs concave)
- How would you differentiate a cavernous sinus syndrome from an apex syndrome?
- How can you test if there is IV th nerve involvement if there is a complete III rd nerve?

Q: 6th NERVE/DUANES

- Video of patient with Duanes Type I with abduction deficit and palpebral narrowing
- What are the systemic associations of Duane's syndrome?

Q: PUPILS (*3)

- Picture of patient with miosis and ptosis – once a 2 year old child looked more like lid retraction/proptosis
- What is the Dx/DDx?
- How would you confirm the Dx? (Ask for old pictures from mom)
- What if you do not have hydroxamphetamine?
- How would you manage? (amblyopia)

Q: 6th NERVE (*3)

- Where is the VI th nerve compressed when you have an increase in ICP?
- What are the causes of isolated 6th nerve palsies?

Q: ON EDEMA (*3)

- Picture of disc swelling
- What is the DDx?
- What is the work up?
- 41 yo femlae with 2 year Hx of headaches, shows picture of swollen ON OD
- what is DDx? How work up? (VF, Anosmia right side)
- Shows VF – junctional scotoma
- Shows CT Scan – Frontal lobe olfactory groove meningioma
- What is prognosis?
- Would you let her go on holiday?

Q: 3rd NERVE PALSY

- 40 yo female with sudde onset ptosis, exotropia, mydriasis OS
- Dx with differential etiology in most common order?
- Work up and management?

Q: TEMPORAL ARTERITIS

- picture of retinal edema in sup-temp artery
- What is DDx?
- What is the w/u/test?

Q: BILATERAL DISC EDEMA/PARINAUD'S/BRAIN MASS

- Picture of bilateral disc edema and told patient has bilateral 6th n. palsy
- What is w/u?
- Shows MRI with hydrocephalus and pinealoma
- What does this show?
- Post excision patient has dorsal midbrain syndrome symptoms?
- What is the Dx?

Q: INO/1 ½ SYNDROME

- Video of patient with 1 ½ syndrome
- What is the Dx?
- What is the exact lesion causing this – please draw it?
- INO

- Draw the lesion?

Q: FUNCTIONAL VISUAL LOSS

- Patient with normal exam but vision of 20/400
- How do you diagnose functional visual loss?
- Ddx of functional visual loss?
- Details of management?

Q: TRAUMATIC OPTIC NEUROPATHY

- Picture of globe perforation OS
- What would you be worried about the optic nerve OD?

Q: NYSTAGMUS—DOWNBEAT

- Video of downbeat nystagmus
- What is Ddx?

Q: NYSTAGMUS—OPSOCLONUS (*2)

- Video of opsoclonus
- What is Ddx?
- What types of nystagmus are associated with cerebellar disease?
- What are cerebellar eye signs?
- What are the pathways for nystagmus?

Q: SO PALSY

- Picture of patient with recent onset vertical diploplia
- What is Dx?
- How would you work it up?
- How would you treat it?

Q: GRADENIGO'S SYNDROME

- Describes symptoms
- What is Dx?
- MRI of petrous tumor
- What is that?

Q: ONTT

- What does it tell us?

Q: VISUAL FIELDS

- VF of homonymous hemianopia with sparing of temporal crescent
- Where is the lesion?
- This patient had a scintillating scotoma -- why?
- VF quadrantic / right incongrous heminaopia denser below
- Where is lesion?
- What tests would you do to help confirm besides imaging? (OKN)

- What functions do temporal and parietal lobes serve? What are the difference in symptoms?

Q: VISUAL FIELDS

- Automated VF of bitemporal hemianopis
- Ddx?
- Shows MRI of mass in pituitary
- Discuss and show lesion
- What is the anatomy of the area?

Q; MS

- What is the cause of MS?
- What is the Tx for MS?

NOTES ABOUT NICOLE AS EXAMINER

- Do or die – don't bullshit!
- May need to back track with him "I need to check pupils"
- Favorite expression "Tell me what you are doing each step of the exam"
- Anything you say he asks about e.g. "I would do a tangent screen" → "tell me how what size target etc."
- He wants specific Dx and management