


**Detailed history, exam lead to effective neuro-ophthalmic imaging, accurate diagnosis**


1. What is the modality of choice for imaging suspected neuro-ophthalmic disease processes?
  - a. CT
  - b. MRI
  - c. MRA
  - d. CAG
2. What is the modality of choice for evaluating bone in cases of trauma and osseous lesions of the bony orbit or optic nerve calcifications?
  - a. CT
  - b. MRI
  - c. MRA
  - d. CAG
3. What is the imaging modality of choice for evaluating acute hemorrhage, calcification and bony abnormalities?
  - a. CT
  - b. MRI
  - c. MRA
  - d. CAG
4. What imaging modality can be used in patients with implanted medical devices of any kind?
  - a. CT
  - b. MRI
  - c. MRA
  - d. CAG
5. Which axial plane is not used in CT imaging??
  - a. sagittal
  - b. planar
  - c. coronal
  - d. transaxial
6. What imaging modality can be used in pregnant patients?
  - a. CT
  - b. MRI
  - c. MRA
  - d. CAG
7. Transaxial plane divides the body into:
  - a. frontal and dorsal sections
  - b. right and left sections
  - c. superior and inferior sections
  - d. horizontal and vertical sections
8. Coronal plane divides the body into:
  - a. frontal and dorsal sections
  - b. right and left sections
  - c. superior and inferior sections
  - d. horizontal and vertical sections
9. Sagittal plane divides the body into:
  - a. frontal and dorsal sections
  - b. right and left sections
  - c. superior and inferior sections
  - d. horizontal and vertical sections
10. Which one of the following is not a CT contrast agent/dye?
  - a. iodine
  - b. barium
  - c. ammonium
  - d. gastrografin
11. Which one of the following methods is not used to administer contrast agents?
  - a. intravenous
  - b. oral
  - c. inhalation
  - d. intramuscular
12. Which of the following statements about MRI is false?
  - a. MRI provides good contrast between the different soft tissues of the body.
  - b. MRI is the procedure of choice for imaging the brain and orbit.
  - c. MRI is not able to image in any plane.
  - d. MRI does not use ionizing radiation, making it a safe procedure and modality of choice in pregnancy.
13. Which one of the following is not a contraindication for MRI?
  - a. cochlear implants
  - b. cardiac pacemakers
  - c. pregnancy
  - d. metallic foreign bodies
14. What is the modality of choice for obtaining high-resolution 3D images of the vasculature system?
  - a. MRI
  - b. MRA
  - c. CAG
  - d. CTA
15. What is the modality of choice for obtaining high-resolution 3D images of the blood flowing through vasculature system?
  - a. MRI
  - b. MRA
  - c. CAG
  - d. CTA
16. What is the most effective technique for detecting the size and location of an intracranial aneurysm requiring embolization?
  - a. MRI
  - b. MRA
  - c. CAG
  - d. CTA
17. Catheter angiography provides images of:
  - a. soft tissue
  - b. bone
  - c. calcifications
  - d. blood vessels
18. For ischemic third nerve palsy, what is the best imaging modality?
  - a. MRI
  - b. CT
  - c. MRI/MRA
  - d. CT/CTA
19. Which one of the following is not required for a patient with bilateral optic nerve head swelling?
  - a. immediate emergency room referral
  - b. MRI with and without contrast of the brain and orbits
  - c. lumbar puncture if there is evidence of intracranial mass
  - d. MRV testing in atypical cases
20. Which one of the following statements is false?
  - a. MRA is advantageous over CTA because the patient is exposed to a low dose of gadolinium, which is less toxic than that used for CTA.
  - b. Disadvantages of MRA include its high cost and limited spatial resolution.
  - c. MRI and CT testing take the same amount of the time to perform.
  - d. MRI is advantageous in diagnosing early-onset CVA, MS, tumors and infection of the brain and pituitary gland, visualizing torn ligaments and diagnosing tendonitis.

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