



CNS RADIOLOGY MCQS

Q1\ which of the imaging modality is the first test ordered by physicians:

- a) X-ray.
- b) CT.
- c) MRI.
- d) Angiography.

Q2\ which of the following modalities is the fastest:

- a) X-ray.
- b) CT.
- c) MRI.
- d) Angiography.

Q3\ CT is the golden standard for _____.

- a) Cervical spine.
- b) Spinal cord disorders.
- c) Bone fractures.
- d) Soft tissue.

Q4\ which of the following is important for assessing cervical spine:

- a) X-ray.
- b) CT.
- c) MRI.
- d) Angiography.

Q5\ which of the following is used to evaluate arteries and veins?

- a) X-ray.
- b) CT.
- c) MRI.
- d) Angiography.

Q6\ a patient came with a local trauma we suspect bone fracture which imaging testing should we use?

- a) X-ray.
- b) CT.
- c) MRI.
- d) Angiography.

Q7\ a 65-year-old gentleman with chronic renal disease, and heart failure, Presents with back pain. He had a pacemaker inserted 10 years ago. The patient asks if he could undergo an MRI study. Which of the following is a contraindication of using an MRI in this case?

- a) Renal disease.
- b) Heart failure.
- c) Cardiac pacemaker.
- d) Age > 60 years.

Q8\ a 25 year old man had a horrific car accident, the physician suspects multiple fractures. Which of the following imaging test should he order?

- a) X-ray.
- b) CT.
- c) MRI.
- d) Angiography.

Q9\ a patient came to the ER complaining of a sudden pain in his neck and back, the physician noticed a weakness in the patient's legs too, the physician suspects transverse myelitis. What kind of image testing should he order?

- a) X-ray.
- b) CT.
- c) MRI.
- d) Angiography.

Q10\ Which of the following diagnostic modalities that provides a very detailed diagnostic pictures without the use of ionizing radiation:

- a) X-ray.
- b) CT.
- c) MRI.
- d) Angiography.

Q11\ a man brought his unconscious mom to the ER, her son said that she collapsed 15 minutes ago, the physician suspect cerebral hemorrhage. Which imaging test should we use in this urgent situation?

- a) X-ray.
- b) CT.
- c) MRI.
- d) Angiography.

Q12\ which of the following can be detected by X-ray?

- a) Spinal curvature.
- b) Scoliosis.
- c) Moderate osteoporosis.
- d) All the above.

Q13in T1WI the CFS is _____ color and in T2WI CFS is _____ color.

- a) Dark, light.
- b) Dark, dark.
- c) Light, dark.
- d) Light, light.

Q14 a patient suspected to have a cerebral tumor which of the following is best to confirm the diagnosis?

- a) X-ray.
- b) CT.
- c) MRI.
- d) Angiography.

Q15 which of the following is a gold standard for assessing soft tissue injury:

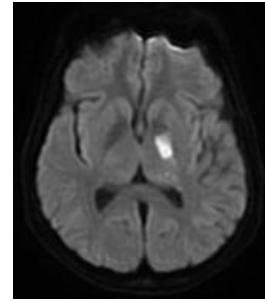
- a) X-ray.
- b) CT.
- c) MRI.
- d) Angiography.

Q16 which of the following is the first diagnostic imaging in local minor trauma cases:

- a) X-ray.
- b) CT.
- c) MRI.
- d) Angiography.

Q17\ This MR image shows acute infarction. What is the artery involved?

- a) Anterior cerebral.
- b) Anterior choroidal.
- c) Posterior cerebral.
- d) Middle cerebral.



Q18\ from the image in the previous question, what is the expected neurological defect?

- a) Right leg weakness.
- b) Right arm weakness.
- c) Right body side weakness.
- d) Left leg weakness.

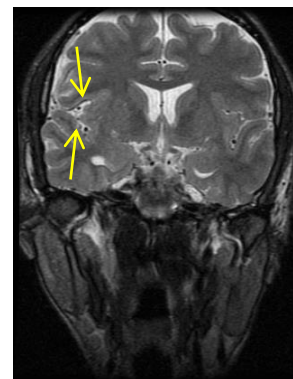
Q19\ the CT scan of the brain shows brain infraction in the left cerebral hemisphere. From the area involved, the patient has most likely presented clinically with:

- a) Paralysis of the entire right side of the body.
- b) Aphasia.
- c) Right face paralysis.
- d) Right leg paralysis.



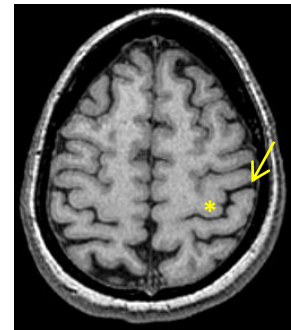
Q20\ the arrows on the MRI points to the:

- a) Anterior cerebral artery branch.
- b) Posterior cerebral artery branch.
- c) Middle cerebral artery branch.
- d) Basilar artery branch.



Q21\ the points to the central sulcus and the star points to the:

- a) Foot motor area.
- b) Broca's area.
- c) Arm sensory area.
- d) Frontal operculum.



Q22\ lesion in this area could mostly affect:

- a) Face sensation.
- b) Motor activity in the trunk and part of the lower limb.
- c) Face movement.
- d) Sensation in the trunk and part of the lower limb.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
a	a	c	a	d	a	c	b	c	c	b	d	a	c	c	a	b	d	d	c	a	b

Done by:

Monirah Alsalouli & Rawan Alduwyhi.