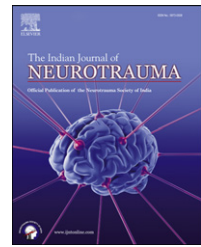


Available online at www.sciencedirect.com

SciVerse ScienceDirect

journal homepage: www.elsevier.com/locate/ijnt

Neurotrauma – QUIZ*

- The MRI appearance of subacute subdural hemorrhage is
 - Hyperintense on both T1, T2 WI
 - Isointense on T1, Hyperintense on T2
 - Isointense on T1, Very Hypointense on T2
 - Hyperintense on T2, Hypointense on T1
- DAI tends to occur at all these sites except
 - Lobar white matter at the gray white matter interface
 - Corpus callosum
 - Dorsolateral aspect of the upper brainstem
 - Mamillary bodies
- The Glasgow Liege scale gives a score to all the following brain stem reflexes except
 - Oculocardiac reflex
 - Gag reflex
 - Oculocephalic reflex
 - Pupillary light reflex
- Bone wax was invented by
 - Harvey Cushing
 - Walter Dandy
 - Victor Horsley
 - Yasargil
- All of the following are true about Post traumatic epilepsy except
 - Seizures that occur within the first 24 hrs are known as immediate seizures.
 - Seizures that occur more than 7 days after head injury are called late post traumatic epilepsy.
 - Early post-traumatic epilepsy is an indicator of an increased risk of developing late post traumatic seizures.
 - Prophylaxis should be given to all patients of head injury to prevent onset of late post traumatic seizures.
- The attributes of an ideal cranioplastic material are all except
 - non-ionizing and non-corrosive
 - biodegradable
 - aesthetically pleasing
 - viable and resistant to infection
- One of the following statements is true regarding post traumatic CSF Rhinorrhea
 - The leak is profuse
 - The leak is usually from both nostrils
 - The leak can persist for years
 - Anosmia is relatively common
- The following surgical principles apply for the management of a growing skull fracture except
 - The scalp incision should be large enough to expose the entire length of the growing skull fracture.
 - After exposing the cranial defect, the dura is exposed by cutting back the edges of the growing skull fracture.
 - Water tight closure of the dura is important to avoid recurrence and post operative CSF leak.
 - In a growing skull fracture extending perpendicularly to a dural venous sinus, the end closest to the sinus does not need dural repair.
- A patient of DAI with GCS 7, on ICP monitor and being managed conservatively for intracranial hypertension suddenly developed oliguria and had a cardiac arrest. Arterial blood sample showed severe metabolic acidosis with hyperkalemia. The urine was high coloured. The probable reason could be
 - Malignant neuroleptic syndrome
 - High dose barbiturate therapy
 - Propofol infusion syndrome
 - SIADH
- One of the following measures is used in the management of intracranial hypertension that is refractory to standard treatment.
 - Maintaining a PCO₂ of 35-40 mmHg
 - Maintaining a PO₂ of less than 60 mmHg
 - Maintaining PCO₂ of 30-35 mmHg
 - Maintaining Blood glucose levels of more than 100 gm %
- The mechanism by which decompressive craniectomy minimizes herniation syndrome is:
 - Allowing centripetal herniation beyond boundaries previously defined by the cranial vault
 - By causing changes in CSF dynamics
 - Reducing the volume of the intracranial compartment with lobectomies
 - By causing changes in the cerebral perfusion pressure

12. The advantages of fosphenytoin over conventional phenytoin are all except
- Lesser incidence of iv extravasation
 - Better oral bioavailability
 - Lesser incidence of cardiac arrhythmias
 - Better water solubility
13. Which one of the following is a Type 4 frontal skull base fracture according to Escher classification?
- Fronto-orbital fractures within the anterior skull base
 - A frontal crush fracture
 - Localised frontal bone fracture
 - Fracture with posterior displacement of viscerocranium
14. The MRI sequence which is required to delineate a CSF fistula is
- T2WI fast spin echo sequences with fat suppression and video image reversal
 - Diffusion weighted spin echo sequence
 - Spiral pulse sequences
 - Gradient echo sequences
15. The best immunologic marker to differentiate CSF from nasal secretions in a case of suspected CSF rhinorrhea
- Beta-2 transferrin
 - Beta trace protein
 - Albumin in CSF
 - Alpha 2 macroglobulin

Priyamvadha Kovai
Department of Neurosurgery,
Max Institute of Neurosciences,
Malsi, Dehradun-248001, Uttarakhand, India
E-mail address: priya_641018@yahoo.com

Available online 23 April 2012

0973-0508/\$ – see front matter
doi:10.1016/j.ijnt.2012.04.012

* The Neurotrauma Quiz Keys can be found in the online version of the issue.