



ROYAL AUSTRALASIAN COLLEGE OF SURGEONS

FELLOWSHIP EXAMINATION

NEUROSURGERY

FIRST PAPER - 2 HOURS

Monday, 4 September 2006

All Questions must be answered and are of equal value

Question 1

A 68 year old man presents with low back pain and bilateral leg pain on walking and standing. Investigations include an MRI scan of the Lumbar spine (Figure 1).

- Discuss a) The presumed pathology of his symptoms
b) Expected findings on clinical examination
c) Management options.

Include in your answer a full description of any proposed surgical procedures. (See page 2)

Question 2

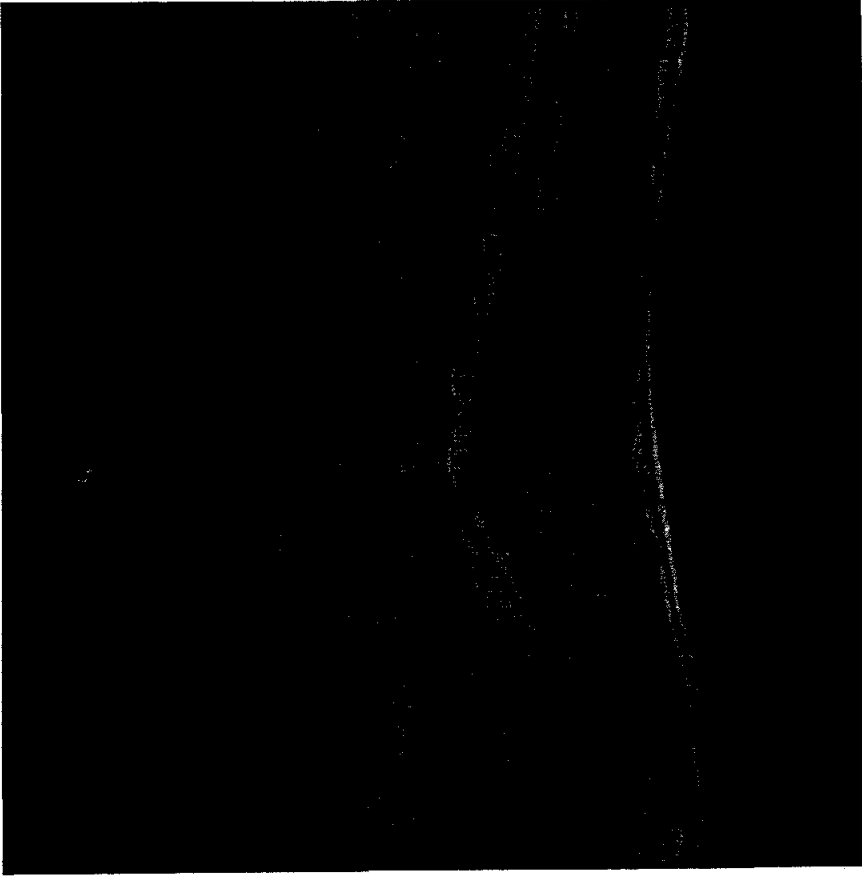
Write notes on:

- a) Dissection of the vertebral artery
b) Differential diagnosis of facial pain
c) Neurosurgical implications of HIV infection
d) Postoperative bone flap infection

Question 3

Neurosurgery MCQ Paper - (30 questions - 30 minutes). Please follow instructions as detailed on accompanying MCQ Papers

Figure 1.





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FELLOWSHIP EXAMINATION IN NEUROSURGERY

SECOND PAPER - 2 HOURS

Monday, 4 September 2006

All Questions must be answered and are of equal value

Question 4

Describe the development of the cerebellum. Give an account of the anomalies of development and where appropriate their neurosurgical management.

Question 5

A 55 year old man presents with progressive hearing and balance disturbance. His MRI confirms a likely vestibular schwannoma (acoustic neuroma) 2.7cm in diameter. Discuss the management options and in particular the operative approaches to this tumour with particular reference to the risks involved.

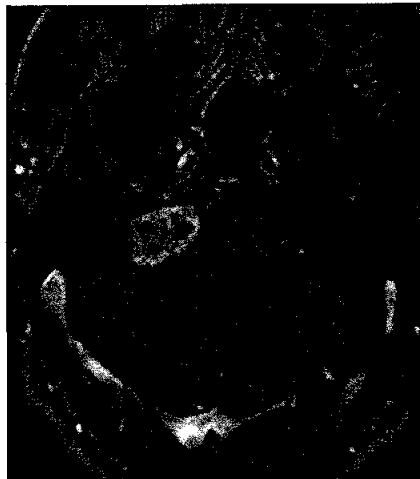


Figure 1.

Question 6

Write notes on:

- a) The classification of Lumbar Spondylolisthesis and the management of each type.
- b) Sagittal craniosynostosis
- c) Prophylactic antibiotics in Neurosurgery
- d) Pituitary apoplexy
- e) Hyponatraemia in the postoperative neurosurgical patient