

APRIL - 1997

MP 37

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch II - Neuro Surgery

(Revised Regulations)

Paper IV - RECENT ADVANCES IN NEURO SURGERY

Time: Three hours

Max.marks:100

Answer All Questions

1. Write an essay on Bio-implants in neurosurgical practice. (25)
2. Discuss the management of a patient having ring enhancing lesion on CT scan head. (25)
3. Write briefly on: (5x10=50)

Neuroleptic analgesia

Monoclonal antibodies

(c) Prof.K.Sujita

(d)GABA

(e) Antioxidants.

APRIL - 1998

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M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch II - Neuro Surgery

(Revised Regulations)

Paper IV - RECENT ADVANCES IN NEUROSURGERY

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the diagnosis, pathology and management of colloid cysts of the Third ventricle. (25)
2. Discuss the role of image directed surgery in Neurosurgical practice. (25)
3. Write briefly on: (5x10=50)
 - Glomus jugulare tumour
 - Rare intracranial tumours
 - Lasers in Neurosurgery
 - (d) Cranioplasty
 - (e) Wilder Penfield.

OCTOBER - 1999

[KA 039]

Sub. Code : 1584

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch II — Neurosurgery

(Revised Regulations)

**Paper IV — RECENT ADVANCES IN
NEUROSURGERY**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss endovascular treatment of intracranial aneurysms. (25)
2. Discuss the various modern methods of spinal stabilisation. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Magneto encephalography
 - (b) Implanted drug pumps
 - (c) Neural Prosthesis
 - (d) Interactive image guided neurosurgery
 - (e) Disability evaluation.

APRIL - 2000

[KB 039]

Sub. Code : 1584

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch II — Neuro-Surgery

(Revised Regulations)

Paper IV — RECENT ADVANCES IN
NEURO-SURGERY

Time : Three hours

Maximum : 100 marks

ALL questions to be answered.

1. Discuss the role of various imaging modalities and advances in the surgical treatment for a patient with intractable epilepsy. (25)
2. Discuss in detail the management of intracranial vascular lesions by endovascular techniques. (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Immunotherapy of brain tumours
 - (b) Recent advances in 'Brain protection'
 - (c) Stereotactic Radio-Surgery
 - (d) M.R. Angiography
 - (e) Newer anti-epileptic drugs.

OCTOBER - 2000

[KC 039]

Sub. Code : 1584

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch II — Neurosurgery

(Revised Regulations for 2 years Course)

**Paper IV — RECENT ADVANCES IN
NEUROSURGERY**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss pathophysiology and management of vasospasm. (25)
2. Principle and role of radiosurgery in different neurosurgical conditions. (25)
- 3 Write briefly on : (5 × 10 = 50)
 - (a) Gene Therapy
 - (b) Biological glue
 - (c) Neurological manifestation of AIDS
 - (d) Nerve growth factors
 - (e) Free radicals.