

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[DM 0123]

JANUARY 2024

Sub. Code :1517

D.M. – NEURO ANEASTHESIA

**PAPER – II – GENERAL ANEASTHESIA / NEURO ANEASTHESIA,
NEURO EMERGENCIES BOTH NEURO MEDICAL & NEURO SURGICAL**

Q.P. Code: 161517

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss in detail the management algorithm for Acute Ischaemic Stroke.
2. Elaborate on the physiological taxonomy of Intracranial Pressure (ICP) and management of increased ICP.

II. Write notes on: **(10 x 7 = 70)**

1. Diagnosis and management of Myasthenic crisis.
2. Early Brain Injury in subarachnoid Haemorrhage.
3. Define deliberate Hypotension and discuss its role in Neuroradiology.
4. Diagnosis and Management of Encephalitis.
5. Intraoperative Management of Tight Brain.
6. Discuss the glycemic management in the neurologically injured patient.
7. Discuss the Cerebral Circulatory changes in patients with Arteriovenous malformation and its anaesthetic implication.
8. Discuss in brief the practice guidelines for monitoring and antagonism of Neuromuscular Blockade.
9. Mention in brief the physiological changes and complications associated with prone positioning.
10. Describe in brief the preoperative pulmonary function testing in patients presenting for Neurosurgical Procedures.

D.M. – NEURO ANAESTHESIA

**PAPER II – GENERAL ANAESTHESIA / NEURO ANAESTHESIA,
NEURO EMERGENCIES BOTH NEUROMEDICAL & NEUROSURGICAL**

Q.P. Code: 161517

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Discuss in detail the preoperative work up, anaesthetic management in a child with refractory seizures planned for functional hemispherotomy.
2. Discuss with evidence the Blood pressure management strategies in a patient with Intracerebral Haemorrhage.

II. Write notes on: (10 x 7 = 70)

1. Describe in detail the autonomic dysfunction in Guillain Barre Syndrome.
2. Discuss in detail the preoperative evaluations of patients with Obstructive Sleep Apnoea.
3. Discuss the etiopathogenesis of Tight Brain and outline the treatment algorithm of Intraoperative Brain Bulge.
4. Discuss in brief the perioperative complications associated with Awake Craniotomy and their management.
5. Discuss the preoperative assessment in a patient with Rheumatoid Arthritis planned for Occipito Cervical Fusion.
6. Discuss with evidence the Blood conservation strategies in an infant presenting for Calvarial Remodeling.
7. Discuss the effects of Electroconvulsive Therapy on the Cardiovascular and Cerebral Haemodynamics.
8. Discuss the various modalities of Intraoperative Neuromonitoring for Scoliosis Surgery.
9. Discuss the Anaesthetic considerations in a patient undergoing Neuroendoscopic Procedures.
10. Discuss the concerns during extubation in a patient undergoing Posterior Fossa Surgery.