

PART I/ EYELID DISORDERS

1. EYELID DISORDERS

A. BILATERAL

1. Apraxia
2. Blepharospasm
3. Blepharoclonus
4. Positive Glabella Tap
5. Lid Bobbing
6. Lid Retraction
7. Lid Nystagmus
8. Lid Twitch

B. UNILATERAL

1. Lid Lag
2. Impaired Lid Closure

2. PTOSIS

A. BILATERAL

B. UNILATERAL

1. Third Nerve Palsy (Oculomotor)
2. Aberrant Reinnervation Third Nerve
3. Myasthenia Gravis

C. POSITIVE TENSILON TEST

D. CONGENITAL ANOMALY OF INNERVATION

1. Duane's Syndrome Type 3

PART II/ CRANIAL NERVE PALSIES

1. Unilateral Third Nerve (Oculomotor)
2. Unilateral Fourth Nerve Palsy (Trochlear)
3. Unilateral Sixth Nerve Palsy (Abducens)
4. Bilateral Sixth Nerve Palsies (Abducens)
5. Multiple Ocular Motor Nerve Palsies
6. Aberrant Reinnervation
 - a. Congenital Anomaly of Innervation
 - i. Duane's Syndrome Type 3
 - b. Primary Aberrant Reinnervation
 - i. Third Nerve

PART III/ NEUROMUSCULAR DISORDERS

1. Myasthenia Gravis
2. Chronic Progressive External Ophthalmoplegia
3. Restrictive Orbitopathy
4. Guillain-Barre Syndrome / Fisher Variant

PART IV – CENTRAL NERVOUS SYSTEM DISORDERS

1. Frontal lobe
2. Temporal Lobe
3. Parietal Lobe

- 4. Occipital Lobe
 - A. Palinopsia
 - B. Visual Illusions
- 5. Thalamus
 - A. Infarct
 - B. Hemorrhage
- 6. Basal Ganglia
 - A. Parkinson's
 - B. PSP
- 7. Midbrain
 - A. Supranuclear Vertical Gaze Palsy
 - 1. Upgaze
 - 2. Downgaze
 - 3. Up and Downgaze
- 8. Pons
 - A. Horizontal Gaze Paresis
 - 1. Infarct
 - 2. Hemorrhage
 - 3. Cavernous Angioma
 - 4. Multiple Sclerosis
 - 5. Metastatic Disease
 - 6. Congenital Gaze Palsy
- 9. MEDULLA
 - A. Infarct
 - B. Hemorrhage
 - C. Encephalitis
 - D. Degeneration
- 10. CEREBELLUM
 - A. Square Wave Jerks
 - B. Ocular Flutter
 - C. Opsoclonus
 - D. Downbeat Nystagmus
 - E. Periodic Alternating Nystagmus
 - F. Ataxia

PART V NYSTAGMUS/OSCILLATIONS

- 1. Congenital
- 2. Acquired Primary Position
 - A. Upbeat
 - B. Downbeat
 - C. Left Beat
 - D. SeeSaw
- 3. Convergence Nystagmus
- 4. Convergence Retraction - Nystagmus
- 5. Periodic Alternating Nystagmus (PAN)
- 6. Horizontal Gaze Evoked
- 7. Nystagmus on Abduction
- 8. Rotary Nystagmus
- 9. Oscillations and Bobbing

PART VI/ VERGENCE EYE MOVEMENTS

- 1. Convergence Insufficiency

PART VII- PUPIL

1. Aides Pupil
2. Parasympathetic
3. Sympathetic

4. Midbrain Light Near Dissociation

PART VIII – DISEASE RELATED DISORDERS

1. Degenerative Diseases, Dementia, Tauopathy
 - A. Cerebellar Degeneration
 - B. Parkinson's Disease
 - C. Progressive Supranuclear Palsy
 - D. **Frontotemporal Dementia**
2. Paraneoplastic
3. Multiple Sclerosis
4. Movement Disorders
 - A. Hemifacial Spasm
 - B. Palatal Tremor
 - C. Facial Tremor
 - D. Titubation
5. Vascular Disease/Stroke
 - A. Third Nerve Microinfarct
 - B. Syphillytic Arteritis
 - C. Thalamic Infarct
 - D. Thalamic Hemorrhage
 - E. Midbrain Infarct
 - F. Midbrain Hemorrhage
 - G. Pontine Infarct
 - H. Pontine Hemorrhage
6. Psychiatric Illness
7. Drug Related
8. Metabolic And Deficiency Disorders (Wernicke's)