



GOVERNMENT OF JAMMU & KASHMIR
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES
SOURA SRINAGAR

**Syllabus for Assistant Professor Posts of
the Department of Neurology,
SKIMS, SOURA.**



GOVERNMENT OF JAMMU & KASHMIR
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES, SOURA, SRINAGAR
DEPARTMENT OF NEUROLOGY

Syllabus for recruitment to the post of Assistant Professor (Neurology), SKIMS.

1. Approach to the Neurologic patient.

- A. Signs and Symptoms in Neurologic Diagnosis.
- B. Neurologic Examination.

2. Common Problems in Neurology.

- A. Dizziness, Vertigo and Hearing loss
- B. Syncope and Spells.
- C. Seizures and Status Epilepticus
- D. Headache and Facial Pain.
- E. Pain, Numbness and Paresthesias
- F. Visual Disturbances
- G. Delirium
- H. Dementia and Memory Loss
- I. Involuntary Movements
- J. Muscle Weakness, Cramps and Stiffness
- K. Gait Disorders
- L. Acute Stroke
- M. Acute Spinal Cord Syndromes
- N. Focal Mass Lesions
- O. Stupor and Coma
- P. Brain Death

3. Diagnostic Tests

- A. Computed Tomography
- B. Magnetic Resonance Imaging
- C. Positron Emission Tomography and Single-Photon
- D. Neurovascular Ultrasound
- E. Angiography and Endovascular Neuroradiology
- F. Electromyography, Nerve Conduction Studies and Magnetic Stimulation
- G. Autonomic Testing
- H. Vision, Hearing and Balance Testing
- I. Sleep Studies
- J. Neuropsychological Evaluation
- K. Lumbar Puncture and Cerebrospinal Fluid Analysis
- L. Brain, Nerve and Muscle Biopsy
- M. Intracranial Pressure and Neurocritical Care Monitoring
- N. Genetic Testing and DNA Diagnosis

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4. Cerebrovascular Diseases:

- A. Acute Ischemic Stroke
- B. Transient Ischemic Attack
- C. Hypoxic-Ischemic Encephalopathy
- D. Intracerebral Hemorrhage
- E. Subarachnoid Hemorrhage
- F. Cerebral Venous and Sinus Thrombosis
- G. Vascular Malformations
- H. Central Nervous System Vasculitis
- I. Posterior Reversible Encephalopathy Syndrome and Other Cerebrovascular Syndromes
- J. Primary and Secondary Stroke Prevention

5. Neurotrauma.

- A. Concussion
- B. Traumatic Brain Injury
- C. Traumatic Spinal Cord Injury
- D. Traumatic Cranial and Peripheral Nerve Injuries

6. Dementia:

- A. Mild Cognitive Impairment
- B. Alzheimer Disease
- C. Frontotemporal Dementia
- D. Lewy Body Dementias
- E. Vascular Dementias

7. Headache and Pain Syndromes

- A. Primary and Secondary Headache Syndromes
- B. Cranial Neuralgias and Facial Pain Disorders
- C. Complex Regional Pain Syndrome
- D. Neuropathic Pain

8. Epilepsy and Paroxysmal Disorders

- A. Epilepsy
- B. Meniere Syndrome, Benign Paroxysmal Positional Vertigo and Vestibular Neuritis.
- C. Transient Global Amnesia

09. Central Nervous system Infection.

- A. Acute bacterial Meningitis and infective endocarditis.
- B. Brain abscess and parameningeal infections.
- C. Other bacterial central nervous system infections and toxins.
- D. Chronic Meningitis.

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- E. Parasitic Infections.
- F. Viral Infections.
- G. HIV and AIDs
- H. Prion diseases

10 .Demyelinating and Inflammatory Diseases.

- A. Multiple Sclerosis and Allied Demyelinating Diseases.
- B. Pontine and Extrapontine Myelinolysis.
- C. Autoimmune Meningitis and Encephalitis
- D. Neurosarcoidosis.

11. Movement Disorders.

- A. Essential Tremor
- B. Tics and Tourette Syndrome
- C. Restless Legs Syndrone
- D. Dystonia
- E. Hemifacial Spasm
- F. Myoclonus
- G. Hereditary and Acquired Ataxias
- H. Tardive Dyskinesia and Neuroleptic Induced syndromes
- I. Choreas
- J. Huntington Disease
- K. Parkinson Disease
- L. Parkinson Plus Syndromes

12. Neuromuscular Diseases

- A. Amyotrophic Lateral Sclerosis and Motor Neuron Diseases
- B. Bell Palsy and Cranial Neuropathies
- C. Acquired and Peripheral Neuropatheis
- D. Inherited Peripheral Neuropathies
- E. Myasthenia Gravis and Disorders of the Neuromuscular Junction
- F. Inflammatory Myopathies
- G. Critical Illness Myopathy and Neuropathy
- H. Periodic Paralysis and Other Channelopathies
- I. Stiff Person Syndrome and Peripheral Nerve and Muscle Hyperexcitability
- J. Metabolic and mitochondrial Myopathies in Adults

13. Neurooncology

- A. Gliomas
- B. Metastatic Tumors

- C. Tumors of the Meninges
- D. Primary Central Nervous System Lymphoma
- E. Pineal Region Tumors
- F. Acoustic Neuroma and other Skull Base Tumors
- G. Spinal Tumors
- H. Paraneoplastic Syndromes
- I. Complications of Cancer Therapy
- 14. Hydrocephalus and Cerebral Edema**
 - A. Hydrocephalus
 - B. Brain Edema and Intracranial Hypertension
 - C. Intracranial Hypotension
- 15. Spinal Cord Disorders**
 - A. Intravertebral Disk Disease and Radiculopathy
 - B. Cervical and lumbar Spinal Stenosis
 - C. Acquired and Hereditary Myelopathies
- 16. Autonomic and Sleep Disturbances**
 - A. Neurogenic Orthostatic Hypotension, Autonomic Failure and Acquired and Familial Autonomic Neuropathy.
 - B. Paroxysmal Sympathetic Hyperactivity after Acute Brain injury.
 - C. Sleep Disorders.
- 17. Systemic Organ Function and the Brain**
 - A. Heart Brain Interactions
 - B. Respiratory Support for Neurologic Diseases
 - C. Endocrine Diseases and the Brain
 - D. Hematologic Diseases and the Brain
 - E. Hepatic Disease and the Brain
 - F. Renal Disease and the Brain
 - G. Gastric and Genitourinary Function and the Brain
 - H. Bone Diseases and the Central Nervous system
 - I. Malnutrition, Malabsorption and other Vitamin Deficiencies
 - J. Neurologic Disease during Pregnancy
 - K. Neurologic Complications of Organ Transplantation
- 18. Neurologic Toxidromes**
 - a. Alcoholism
 - b. Drug Intoxication and withdrawal
 - c. Neurotoxicology
 - d. Radiation Injury
 - e. Electrical and Lightning Injury
 - f. Decompression illness

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19. Psychiatry and Neurology

- A. Psychosis
- B. Mood Disorders
- C. Anxiety Disorders, Posttraumatic Stress Disorders and Obsessive Compulsive Disorder
- D. Somatic Symptom Disorders

20. Recovery and End of Life Care

- A. Neurologic Rehabilitation
- B. Ethical and End of Life issues in Neurology.

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