

NEUROLOGY



DAY 1

Cranial Nerves and Neuroanatomy

Total Duration: 1 hour, 13 minutes, 56 seconds

- Neuroanatomy Test Taking (3:00)
- Foramina of the Skull (15:39)
- Jugular Foramen (8:00)
- Chiari Malformations (4:19)
- Intro to Cranial Nerves (1:58)
- CN 1 to CN 8 (32:57 total)
 - CN 1 | Olfactory (2:07)
 - CN 2 | Optic (1:42)
 - Pupillary Reflex (2:33)
 - CN 3 | Oculomotor (4:41)
 - CN 4 | Trochlear (1:54)
 - CN 5 | Trigeminal (2:34)
 - Jaw Jerk & Corneal Reflex (2:56)
 - Intranuclear Ophthalmoplegia (4:43)
 - CN 6 | Abducens (3:26)
 - CN 7 | Facial (4:16)
 - Tongue Innervation (5:05)
 - CN 8 | Vestibulocochlear (5:03)

Suggested Study Duration:

- Watch the listed videos.
- Spend an additional 20 minutes reviewing Neuroanatomy Notes for the USMLE (PDF).

DAY 2

Remaining Cranial Nerves and Spinal Tracts

Total Duration: 1 hour, 3 minutes, 33 seconds

- CN 9 to CN 12 (18:10 total)
 - CN 9 | Glossopharyngeal (3:34)
 - CN 10 | Vagus (7:56)
 - CN 11 | Spinal Accessory (2:44)
 - CN 12 | Hypoglossal (3:56)
- Medullary, Pontine, and Midbrain Strokes (9:23 total)
 - Medial vs Lateral Medullary syndrome (1:21)
 - Pontine Strokes (4:18)
- Midbrain Strokes (3:44)
- Subclavian Steal (2:58)
- Optic Tracts (9:34)
- Eye Movements (3:18)
- Spinal Tracts and Lesions (27:55 total)
 - Intro to Spinal Tracts (0:49)
 - Dorsal Column (3:00)
 - Corticospinal Tract (2:34)
 - Spinothalamic Tract (2:53)
 - Brown Sequard (2:45)
 - Spinal Cord Lesions (8:09)

Suggested Study Duration:

- Watch all the listed videos.
- Spend an additional 20 minutes reviewing the spinal tracts and cranial nerves.

NEUROLOGY



DAY 3

Neurodegenerative Diseases and CNS Infections

Total Duration: 47 minutes, 53 seconds (0:47:53)

- Parkinson's Disease (4:05)
- Alzheimer's Disease (7:02)
- Summary of Neurotransmitters (2:32)
- Neural Tube & Brain Embryo (7:06)
- Hydrocephalus & Tumours (2:04)
- Gait Disorders (2:57)
- Hemiballismus (1:24)
- Deep Brain Strokes (9:01)
- Stroke Integration (9:44)
- Conclusion (1:58)

Suggested Study Duration:

- Watch all the listed videos.
- Spend an additional 20 minutes reviewing Integrated Microbiology - Neurology Notes (PDF).

DAY 4

Integrated Microbiology for the USMLE | Neurology

Total Duration: 1 hour, 5 minutes, 49 seconds (1:05:49)

- Introduction to Integrated Microbiology (4:13)
- Meningitis (8:31)
- Mechanisms of Bacterial CNS Infections (3:43)
- Temporal Lobe Abscess (7:51)
- Brain Abscess due to Infective Endocarditis (0:53)
- Neisseria Transmission (2:16)
- Waterhouse Friedrichsen Syndrome (4:53)
- Cryptococcal Infections (7:45)
- Summary of Bacterial Meningitis (6:18)
- Measles (1:06)
- Arbovirus (2:55)
- Echovirus (2:05)
- Coxsackie A (3:53)
- Ring Enhancing Brain Lesions (1:20)
- TORCH Infections for the USMLE (2:52)
- Pharmacology Integration (1:50)
- Prions (2:32)
- Summary (0:53)

Suggested Study Duration:

- Watch the listed videos.
- Spend an additional 30 minutes reviewing Pharmacology of the Nervous System - PDF Handout.

NEUROLOGY



DAY 5

NBME Top Concepts: Neurology

Total Duration: 1 hour, 34 minutes, 42 seconds

- Introduction (2:06)
- Brain Hematomas (12:05)
- Herniation Syndromes & Cerebral Physiology (10:42)
- Cranial Nerve Path (1) (8:45)
- Bell's Palsy (5:43)
- Cranial Nerve Path (2) (3:11)
- Multiple Sclerosis (5:22)
- Dementia (6:33)
- Dopamine Pathways (1:59)
- Trinucleotide Repeat Disorders (3:01)
- Neurocutaneous Syndromes (4:55)
- Brain Tumors (4:25)
- Stroke (6:40)
- Conclusion (3:32)
- Integrative Classroom Case: Cranial Nerves (7:22)
- Integrative Classroom Case: Aneurysms (8:21)

DAY 6

High Yield Images & PE Findings: Neurology

Total Duration: 1 hour, 6 minutes, 20 seconds

- Overview (1:25)
- Neuroanatomy (1:43)
- Rapid Review of Trinucleotide Repeat Disorders (4:52)
- Pituitary Masses (1:53)
- Thalamic Stroke (2:32)
- Central Pontine Myelinolysis (4:36)
- Internal Capsule and Lacunar Strokes (5:26)
- Rapid Review of Multiple Sclerosis (3:04)
- Cerebral Edema (3:04)
- Intracranial Pressure (2:23)
- Rapid Review of Cerebral Autoregulation (2:25)
- Baroreceptor Reflex (7:43)
- Upper Motor Neuron Signs & Posturing (0:11)
- Spinal Cord Pathologies (12:07)
- Pseudotumor Cerebri (3:33)
- Hydrocephalus (5:47)
- CNS Infections (3:36)

NEUROLOGY

DAY 7

Pharmacology of the Nervous System

Total Duration: 1 hour, 2 minutes, 52 seconds (1:02:52)

- Introduction (0:18)
- Anesthesia (20:37)
- Cerebral Autoregulation (Anesthesia) (6:00)
- GABA Drugs (5:20)
- Parkinson's vs Alzheimer's (2:44)
- Basal Ganglia Neuro-Anatomy integration (4:24)
- Parkinsonian Pharmacology [Dopamine] (9:20)
- Alzheimer's Drugs (7:26)
- NMDA Integration for the USMLE (1:26)
- Autonomic Pharmacology Integration (Ach) (2:54)
- AchE for Myasthenia Gravis (2:23)