

Nervous System Disorders Quiz Answer Key PDF

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What are the challenges in treating neurodegenerative diseases, and how is research addressing these challenges?

The challenges in treating neurodegenerative diseases include understanding the multifactorial nature of these conditions, overcoming the blood-brain barrier for effective drug delivery, and the difficulty in achieving early diagnosis. Research is tackling these challenges by developing new drug delivery methods, identifying biomarkers for early detection, and exploring novel therapies such as gene therapy and regenerative medicine.

Discuss the impact of genetic factors on the development of nervous system disorders.

Genetic factors significantly impact the development of nervous system disorders by contributing to individual susceptibility, disease mechanisms, and variability in treatment responses.

Which of the following is a neurodegenerative disorder?

- A. Multiple sclerosis
- C. Meningitis
- D. Epilepsy
- C. Alzheimer's disease ✓**

What is the primary symptom of Parkinson's disease?

- A. Memory loss
- C. Vision problems
- D. Severe headaches
- C. Tremors ✓**

Which imaging technique is commonly used to diagnose brain tumors?

- A. EEG

C. MRI ✓

D. Reflex test

C. Blood test

Which of the following is a genetic disorder of the nervous system?

A. Epilepsy

C. Migraine

D. Tension-type headache

C. Fragile X syndrome ✓

What type of therapy is often used to help patients recover motor skills after a stroke?

A. Speech therapy

C. Cognitive therapy

D. Chemotherapy

C. Physical therapy ✓

Which disorders are considered neurodegenerative?

A. Alzheimer's disease ✓

C. Multiple sclerosis

D. Amyotrophic lateral sclerosis (ALS) ✓

C. Parkinson's disease ✓

Explain how autoimmune disorders affect the nervous system.

Autoimmune disorders affect the nervous system by causing the immune system to attack nerve tissues, leading to conditions such as multiple sclerosis, which can result in symptoms like weakness, coordination issues, and cognitive dysfunction.

Which treatments are used for managing Parkinson's disease?

A. Deep brain stimulation ✓

C. Physical therapy ✓

D. Dopamine agonists ✓

C. Anticonvulsants

Describe the role of lifestyle changes in managing nervous system disorders.

Lifestyle changes are essential in managing nervous system disorders as they can help alleviate symptoms, enhance treatment effectiveness, and improve overall well-being.

What are the differences between acute and chronic nervous system disorders?

The main differences between acute and chronic nervous system disorders are their onset and duration: acute disorders arise suddenly and are often severe but short-lived, whereas chronic disorders develop slowly and last for an extended period, often requiring long-term treatment.

Which of the following is an autoimmune disorder affecting the nervous system?

- A. Huntington's disease
- C. Creutzfeld-Jakob disease
- D. Tay-Sachs disease
- C. Guillain-Barré syndrome ✓**

How do healthcare professionals use imaging techniques to diagnose nervous system disorders?

Healthcare professionals use imaging techniques like MRI and CT scans to diagnose nervous system disorders by providing detailed images of the brain and spinal cord, allowing for the identification of abnormalities.

What are potential symptoms of a traumatic brain injury?

- A. Confusion ✓**
- C. Numbness ✓**
- D. Mood swings ✓**
- C. Increased appetite

What are common diagnostic tools for nervous system disorders?

- A. MRI ✓**
- C. Blood pressure test

D. EMG ✓

C. EEG ✓

What is the main cause of meningitis?

A. Genetic mutation

C. Head injury

D. Autoimmune response

C. Bacterial or viral infection ✓

Which of the following are symptoms of multiple sclerosis?

A. Muscle weakness ✓

C. Severe headaches

D. Memory loss

C. Vision problems ✓

Which medication is commonly used to treat epilepsy?

A. Antidepressants

C. Immunosuppressants

D. Antipsychotics

C. Anticonvulsants ✓

Which factors can increase the risk of developing nervous system disorders?

A. Genetic predispositions ✓

C. Regular exercise

D. Viral infections ✓

C. Exposure to toxins ✓