

Clinical Manifestations of Diseases of the Nervous System

The major clinical signs of nervous system dysfunction include the following:

- Altered mentation
 - 1- Excitation States
 - 2- Depressive States
 - 3- Compulsive Walking or Head Pressing
 - 4- Aimless Wandering

- Involuntary movements
 - 1- Tremor
 - 2- Tics
 - 3- Tetany
 - 4- Convulsions
 - 5- Involuntary Spastic Paresis

- Abnormal posture and gait
 - 1- Posture
 - 2- Ataxia
 - 3- Cerebellar Disease
 - 4- Spinal Cord Disease

Paresis or paralysis

- Neurogenic Muscular Atrophy

- Altered sensation

- Blindness
 - Central or Peripheral Blindness
- Abnormalities of the autonomic nervous system

Special Examination of the Nervous System

- 1- Signalment and epidemiology
- 2- Head
 - a- Behavior
 - b- Mental status
 - c- Head position and coordination
 - d- Cranial nerves
- 3- Posture and gait
- 4- Neck and forelimbs
- 5- Trunk and hindlimbs
- 6- Tail and anus

The special examination of nervous system

- 1- Palpation of the bony encasement of the central nervous system
- 2- Examination of the nervous system with serum biochemical analysis
- 3- Examination of the nervous system with imaging techniques

- a- Radiography
- b- Computed Tomography
- c- Magnetic Resonance Imaging
- d- Ultrasonography

- 4- Endoscopy (rhinolaryngoscopy)
- 5- Ophthalmoscopy
- 6- Electromyography
- 7- Electroencephalography
- 8- Electroretinography
- 9- Brainstem auditory evoked potentials
- 10- Intracranial pressure measurement
- 11- Kinetic gait analysis