

Nervous system

Divided into	Podzielony
Internal	Wewnętrzny
External	Zewnętrzny
Environment	Środowisko
Various	Różnorodny
Composed	Składać się z
Spinal cord	Rdzeń kręgowy
The branch	Gałąź, odgałęziać
Skull	Czaszka
Hemispheres	Półkula
Surface	Powierzchnia
Folds	Składać, zginać, zgięcie, fałda
Compared	Porównać
Receives	Otrzymywać, odbierać
Enclosed	Załączać, otaczać
Involuntary	Mimowolny
Blood vessels	Naczynia krwionośne
Intestines	Jelita, wnętrzności
Trauma	Uraz, przeżycie
Degeneration	Niszczenie
Neoplastic	Nowotworowy
Meningitis	Zapalenie opon mózgowych
Encephalitis	Zapalenie mózgu
Meningioma	Oponiak
Mild	Łagodny, delikatny
Concussion	Wstrząs psychiczny
Impairment	Zniesienie, osłabienie
Development	Rozwój, postęp
Handicap	Niepełnosprawny
Atherosclerosis	Miażdżycza tętnic
Hypertension	Nadciśnienie
Paresis	Niedowład, porażenie
Hemiparesis	Niedowład połowiczny
Paralysis	Paraliż, bezwład
Accompanied	Towarzyszyć
Dizziness	Zawroty głowy
Anxiety	Niepokój
Epilepsy	Epilepsja, padaczka
Speech disturbances	Zaburzenia mowy
Neurosis	Nerwica
Dementia	Obłąt, otępienie umysłowe
Neuropathy	Choroba nerwowa
Diabetes	Cukrzyca
Leukaemia	Białaczka
Poisoning	Krwawienie
Numbness	Zdrętwienie, odrętwienie
Tingling	Mrówienie, klucie
myalgia	Reumatyzm mięśniowy, ból mięśniowy
Sweating	Pocić się

Frontal, parietal, occipital, temporal lobe	Czołowy, ciemieniowy, potyliczny, skroniowy
Midbrain	płat
Pons	Śródmózgowie
Medulla oblongata	Most
Cerebellum	Rdzeń przedłużony
Peripheral	Móżdżek
Tumour	Obwodowy
Mental retardation	Guz
	Upośledzenie umysłowe

The nervous system is divided into 3 parts :

- central nervous system
- autonomic nervous system
- peripheral nervous system

The function of the NS is to react to internal and external environment and carry impulses to the brain and from the brain to various parts of the body.

The central nervous system is composed of : brain , spinal cord , nerves that branch off the brain and the spinal cord.

The brain is situated in the skull, in cranial cavity.

The brain is divided into two hemispheres : right and left. Their surface has a great number of folds.

The brain is often compared to a computer, because like a computer it receives information, sends it out and stores it for use in the future.

The spinal cord runs down from the base of the brain enclosed in the spinal canal.

The peripheral NS is composed of 12 pairs cranial nerves which branch off the brain , and 31 pair spinal nerves, which branch off the spinal cord.

The autonomic NS is consist of two parts :

- sympathetic
- parasympathetic system.

They work in opposition its means if one of them increases the activity of an organ, that other decreases it.

The function of autonomic NS is controls the involuntary action of such organs as the heart, lungs, intestinal , blood vessels.

Diseases of the NS may be caused by :

- trauma (head injury or spinal cord injury),
- degeneration(multiple sclerosis),
- infection (meningitis, encephalitis),
- neuroplastic (meningioma or brain tumour).

A mild injury brain is called concussion.

Impairment of the brain development leads to mental handicap or mental retardation.

Atherosclerosis and hypertension may cause a stroke manifested by paresis, hemiparesis , paralysis.

Symptoms of pathologies of NS include :

- headache and migraine accompanied by vomiting, dizziness and anxiety.

There may also occur :

- epilepsy,
- speech disturbances,
- depression,
- neurosis
- dementia.

Inflammation or damage to the peripheral nerves is called neuropathy.

The most common causes of nerve damage are : diabetes, leukemia, cancer, lead poisoning and excessive alcohol consumption.

Symptoms caused by neuropathy include numbness, tingling, muscle pain (myalgia), muscle weakness, sweating.

DISEASES SYMPTOMS SYMPTOMS NEUROPATHY

Multiple sclerosis headache Numbness
Meningioma or brain tumour migraine Tingling
Meningitis vomiting Muscle pain (myalgia)
Encephalitis dizziness Muscle weakness
Concussion anxiety sweating
Hemiparesis
Paresis
Paralysis
Neuropathy

Bibliografia :

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