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## Neurologic Diseases


**Also called:** Nervous system diseases

The brain, spinal cord, and nerves make up the nervous system. Together they control all the workings of the body. When something goes wrong with a part of your nervous system, you can have trouble moving, speaking, swallowing, breathing, or learning. You can also have problems with your memory, senses, or mood.



There are more than 600 neurologic diseases. Major types include:

- Diseases caused by faulty genes, such as Huntington's disease [<https://medlineplus.gov/huntingtonsdisease.html>] and muscular dystrophy [<https://medlineplus.gov/musculardystrophy.html>]
- Problems with the way the nervous system develops, such as spina bifida [<https://medlineplus.gov/spinabifida.html>]
- Degenerative diseases [<https://medlineplus.gov/degenerativenervediseases.html>] , where nerve cells are damaged or die, such as Parkinson's disease [<https://medlineplus.gov/parkinsonsdisease.html>] and Alzheimer's disease [<https://medlineplus.gov/alzheimersdisease.html>]
- Diseases of the blood vessels that supply the brain, such as stroke [<https://medlineplus.gov/stroke.html>]
- Injuries to the spinal cord [<https://medlineplus.gov/spinalcordinjuries.html>] and brain [<https://medlineplus.gov/traumaticbraininjury.html>]
- Seizure disorders, such as epilepsy [<https://medlineplus.gov/epilepsy.html>]
- Cancer, such as brain tumors [<https://medlineplus.gov/braintumors.html>]
- infections, such as meningitis [<https://medlineplus.gov/meningitis.html>]




## Start Here

- What Does the Nervous System Do? [<https://www.nichd.nih.gov/health/topics/neuro/conditioninfo/functions>]  
 (Eunice Kennedy Shriver National Institute of Child Health and Human Development)  
Also in Spanish [<https://espanol.nichd.nih.gov/salud/temas/neuro/informacion/funciones>]

## Diagnosis and Tests

- Neurological Exam [<https://medlineplus.gov/lab-tests/neurological-exam/>]  (National Library of Medicine)  
Also in Spanish [<https://medlineplus.gov/spanish/pruebas-de-laboratorio/examen-neurologico/>]
- Spinal Tap (Lumbar Puncture) [<https://kidshealth.org/en/parents/emmi-lumbar-puncture.html>]  (Nemours Foundation)

## Specifics




- Acute Flaccid Myelitis: MedlinePlus Health Topic [<https://medlineplus.gov/acuteflaccidmyelitis.html>]  
 (National Library of Medicine)  
Also in Spanish [<https://medlineplus.gov/spanish/acuteflaccidmyelitis.html>]
- Arachnoid Cysts [<https://www.ninds.nih.gov/health-information/disorders/arachnoid-cysts>]  
 (National Institute of Neurological Disorders and Stroke)  
Also in Spanish [<https://espanol.ninds.nih.gov/es/trastornos/quistes-aracnoideos>]
- Mingling Senses: Synesthesia Explained [<https://newsinhealth.nih.gov/2019/05/mingling-senses>]  
 (National Institutes of Health)

Also in Spanish [<https://salud.nih.gov/recursos-de-salud/nih-noticias-de-salud/sentidos-mezclados>]

- Pseudobulbar Affect [<https://www.mayoclinic.org/diseases-conditions/pseudobulbar-affect/symptoms-causes/syc-20353737?p=1>] (Mayo Foundation for Medical Education and Research)

Also in Spanish [<https://www.mayoclinic.org/es/diseases-conditions/pseudobulbar-affect/symptoms-causes/syc-20353737?p=1>]

## Genetics

- Alternating hemiplegia of childhood: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/alternating-hemiplegia-of-childhood>]  (National Library of Medicine)
- Sjögren-Larsson syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/sjogren-larsson-syndrome>]  (National Library of Medicine)
- Spastic paraplegia type 5A: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/spastic-paraplegia-type-5a>]  (National Library of Medicine)

## Statistics and Research

- Trouble With Touch? Feeling Your World [<https://newsinhealth.nih.gov/2024/04/trouble-touch>]  (National Institutes of Health)

Also in Spanish [<https://salud.nih.gov/recursos-de-salud/nih-noticias-de-salud/tiene-problemas-con-el-tacto>]

## Clinical Trials




- ClinicalTrials.gov: Nervous System Diseases [<https://clinicaltrials.gov/search?cond=%22Nervous+System+Diseases%22&aggFilters=status:not%20rec>]  (National Institutes of Health)

## Journal Articles


References and abstracts from MEDLINE/PubMed (National Library of Medicine)

- Article: Machine learning models based on routine blood and biochemical test data... [<https://www.ncbi.nlm.nih.gov/pubmed/40739302>]
- Article: Unveiling the therapeutic potential of the gut microbiota-brain axis: Novel insights... [<https://www.ncbi.nlm.nih.gov/pubmed/40725913>]
- Article: Saccadic eye movements in neurological disease: cognitive mechanisms and clinical applications. [<https://www.ncbi.nlm.nih.gov/pubmed/40717206>]
- Neurologic Diseases -- see more articles [<https://pubmed.ncbi.nlm.nih.gov/?term=%22Nervous+System+Diseases%22%5Bmajr%3Anoexp%5D+AND+humans%5Bmh%5D+AND+english%5Bla%5D+AND+%22last+2+Years%22+%5Bedat%5D+NOT+%28letter%5Bpt%5D+OR+case+reports%5Bpt%5D+OR+editorial%5Bpt%5D+OR+comment%5Bpt%5D%29+AND+free+full+text%5Bsb%5D+>]

## Reference Desk

- Brain & Life: The Magazine [<https://www.brainandlife.org/the-magazine/>] (American Academy of Neurology)
- Also in Spanish [<https://www.brainandlife.org/the-magazine/spanish/>]
- Neurotoxicity [<https://www.ninds.nih.gov/health-information/disorders/glossary-neurological-terms#neurotoxicity>]  (National Institute of Neurological Disorders and Stroke)
  - Paresthesia [<https://www.ninds.nih.gov/health-information/disorders/glossary-neurological-terms#paresthesia>]  (National Institute of Neurological Disorders and Stroke)
- Also in Spanish [<https://espanol.ninds.nih.gov/es/trastornos/parestesia>]
- What Are the Parts of the Nervous System? [<https://www.nichd.nih.gov/health/topics/neuro/conditioninfo/parts>]  (Eunice Kennedy Shriver National Institute of Child Health and Human Development)
- Also in Spanish [<https://espanol.nichd.nih.gov/salud/temas/neuro/informacion/partes>]

## Find an Expert

- National Institute of Neurological Disorders and Stroke [<https://www.ninds.nih.gov/>] 

# Children

- Electroencephalogram (EEG) [<https://kidshealth.org/en/parents/eeg.html>] (Nemours Foundation)
- Flu and Children with Neurologic Conditions [<https://www.cdc.gov/flu/highrisk/neurologic-pediatric.htm>] (Centers for Disease Control and Prevention)
- Neurocutaneous Syndromes [<https://kidshealth.org/en/parents/neurocutaneous.html>] (Nemours Foundation)
- What Is a Pediatric Neurosurgeon? [<https://www.healthychildren.org/English/family-life/health-management/pediatric-specialists/Pages/What-is-a-Pediatric-Neurosurgeon.aspx>] (American Academy of Pediatrics)  
Also in Spanish [<https://www.healthychildren.org/spanish/family-life/health-management/pediatric-specialists/paginas/what-is-a-pediatric-neurosurgeon.aspx>]

## Patient Handouts

- Cerebral spinal fluid (CSF) collection [<https://medlineplus.gov/ency/article/003428.htm>] (Medical Encyclopedia)  
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/003428.htm>]
- EEG [<https://medlineplus.gov/ency/article/003931.htm>] (Medical Encyclopedia)  
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/003931.htm>]



## MEDICAL ENCYCLOPEDIA

Cerebral spinal fluid (CSF) collection [<https://medlineplus.gov/ency/article/003428.htm>]

Decerebrate posture [<https://medlineplus.gov/ency/article/003299.htm>]

Decorticate posture [<https://medlineplus.gov/ency/article/003300.htm>]

EEG [<https://medlineplus.gov/ency/article/003931.htm>]

Focal neurological deficits [<https://medlineplus.gov/ency/article/003191.htm>]

Nerve conduction velocity [<https://medlineplus.gov/ency/article/003927.htm>]

Neurosciences [<https://medlineplus.gov/ency/article/007456.htm>]

Numbness and tingling [<https://medlineplus.gov/ency/article/003206.htm>]

Opisthotonos [<https://medlineplus.gov/ency/article/003195.htm>]

## Related Health Topics

Acute Flaccid Myelitis [<https://medlineplus.gov/acuteflaccidmyelitis.html>]

Autonomic Nervous System Disorders [<https://medlineplus.gov/autonomicnervoussystemdisorders.html>]

Brain Diseases [<https://medlineplus.gov/braindiseases.html>]

[Complex Regional Pain Syndrome \[https://medlineplus.gov/complexregionalpainsyndrome.html\]](https://medlineplus.gov/complexregionalpainsyndrome.html)

[Degenerative Nerve Diseases \[https://medlineplus.gov/degenerativenervediseases.html\]](https://medlineplus.gov/degenerativenervediseases.html)

[Epilepsy \[https://medlineplus.gov/epilepsy.html\]](https://medlineplus.gov/epilepsy.html)

[Meningitis \[https://medlineplus.gov/meningitis.html\]](https://medlineplus.gov/meningitis.html)

[Movement Disorders \[https://medlineplus.gov/movementdisorders.html\]](https://medlineplus.gov/movementdisorders.html)

[Neuromuscular Disorders \[https://medlineplus.gov/neuromusculardisorders.html\]](https://medlineplus.gov/neuromusculardisorders.html)

[Parkinson's Disease \[https://medlineplus.gov/parkinsonsdisease.html\]](https://medlineplus.gov/parkinsonsdisease.html)

[Peripheral Nerve Disorders \[https://medlineplus.gov/peripheralnervedisorders.html\]](https://medlineplus.gov/peripheralnervedisorders.html)

[Spinal Cord Diseases \[https://medlineplus.gov/spinalcorddiseases.html\]](https://medlineplus.gov/spinalcorddiseases.html)

[Tourette Syndrome \[https://medlineplus.gov/tourettesyndrome.html\]](https://medlineplus.gov/tourettesyndrome.html)

[Trigeminal Neuralgia \[https://medlineplus.gov/trigeminalneuralgia.html\]](https://medlineplus.gov/trigeminalneuralgia.html)

[Von Hippel-Lindau Disease \[https://medlineplus.gov/vonhippellindaudisease.html\]](https://medlineplus.gov/vonhippellindaudisease.html)

## National Institutes of Health

The primary NIH organization for research on *Neurologic Diseases* is the National Institute of Neurological Disorders and Stroke [<http://www.ninds.nih.gov/>]

## Other Languages

Find health information in languages other than English [<https://medlineplus.gov/languages/neurologicdiseases.html>] on *Neurologic Diseases*

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