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Creutzfeldt-Jakob Disease

Also called: CJD

Creutzfeldt-Jakob disease (CJD) is a rare, degenerative brain disorder [<https://medlineplus.gov/degenerativenervediseases.html>] . Symptoms usually start around age 60. Memory problems, behavior changes, vision problems, and poor muscle coordination progress quickly to **dementia** [<https://medlineplus.gov/dementia.html>] , coma, and death. Most patients die within a year.



The three main categories of CJD are :

- Sporadic CJD, which occurs for no known reason
- Hereditary CJD, which runs in families
- Acquired CJD, which occurs from contact with infected tissue, usually during a medical procedure

Cattle can get a disease related to CJD called bovine spongiform encephalopathy (BSE) or "mad cow disease." There is concern that people can get a variant of CJD from eating beef from an infected animal, but there is no direct proof to support this.

NIH: National Institute of Neurological Disorders and Stroke


Start Here

- Creutzfeldt-Jakob Disease [<https://www.alz.org/alzheimers-dementia/what-is-dementia/types-of-dementia/creutzfeldt-jakob-disease>] (Alzheimer's Association)
- Creutzfeldt-Jakob Disease [<https://www.ninds.nih.gov/health-information/disorders/creutzfeldt-jakob-disease>]  (National Institute of Neurological Disorders and Stroke)
- Transmissible Spongiform Encephalopathies (Prion Diseases) [<https://www.ninds.nih.gov/health-information/disorders/transmissible-spongiform-encephalopathies>]  (National Institute of Neurological Disorders and Stroke)

Diagnosis and Tests

- Diagnosing Sporadic Creutzfeldt-Jakob Disease: Accuracy of CSF 14-3-3 Protein Test of the Spinal Fluid [<https://www.aan.com/Guidelines/Home/GetGuidelineContent/567>] (American Academy of Neurology) - **PDF**


Related Issues

- About Variant Creutzfeldt-Jakob Disease (vCJD) [<https://www.cdc.gov/variant-creutzfeldt-jakob/about/>] (Centers for Disease Control and Prevention)
- Bovine Spongiform Encephalopathy (BSE), Also Called Mad Cow Disease [<https://www.cdc.gov/mad-cow/php/animal-health/>] (Centers for Disease Control and Prevention)
- Information for People Treated with Pituitary Human Growth Hormone [<https://www.niddk.nih.gov/health-information/endocrine-diseases/national-hormone-pituitary-program>]  (National Institute of Diabetes and Digestive and Kidney Diseases)

Specifics

- BSE (Bovine Spongiform Encephalopathy or Mad Cow Disease) Frequently Asked Questions [https://www.usda.gov/farming-and-ranching/animal-science/bse-surveillance-information-center/bse-frequently-asked-questions] (Department of Agriculture)



Genetics

- Prion disease: MedlinePlus Genetics [https://medlineplus.gov/genetics/condition/prion-disease]  (National Library of Medicine)

Statistics and Research

- Prion Diseases [https://www.niaid.nih.gov/diseases-conditions/prion-diseases]  (National Institute of Allergy and Infectious Diseases)

Clinical Trials


- ClinicalTrials.gov: Creutzfeldt-Jakob Syndrome [https://clinicaltrials.gov/search?cond=%22Creutzfeldt-Jakob+Syndrome%22&aggFilters=status:not%20rec]  (National Institutes of Health)
- ClinicalTrials.gov: Prion Diseases [https://clinicaltrials.gov/search?cond=%22Prion+Diseases%22&aggFilters=status:not%20rec]  (National Institutes of Health)

Journal Articles

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

- Article: Prion-induced ferroptosis is facilitated by RAC3. [https://www.ncbi.nlm.nih.gov/pubmed/40562790]
- Article: Treatment with efavirenz extends survival in a Creutzfeldt-Jakob disease model by... [https://www.ncbi.nlm.nih.gov/pubmed/40540390]
- Article: Characterization of prion strains and peripheral prion infectivity patterns in E200K... [https://www.ncbi.nlm.nih.gov/pubmed/40522345]
- Creutzfeldt-Jakob Disease -- see more articles [https://pubmed.ncbi.nlm.nih.gov/?term=%22Creutzfeldt-Jakob+Syndrome%22%5Bmajr%3Anoexp%5D+AND+humans%5Bmh%5D+AND+english%5Bla%5D+AND+%22last+1+Year%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+]

Find an Expert

- Centers for Disease Control and Prevention [https://www.cdc.gov/]
Also in Spanish [https://www.cdc.gov/spanish/]
- Food and Drug Administration [https://www.fda.gov/]
- National Institute of Neurological Disorders and Stroke [https://www.ninds.nih.gov/] 

Patient Handouts

- Creutzfeldt-Jakob disease [https://medlineplus.gov/ency/article/000788.htm] (Medical Encyclopedia)
Also in Spanish [https://medlineplus.gov/spanish/ency/article/000788.htm]



MEDICAL ENCYCLOPEDIA

Creutzfeldt-Jakob disease [<https://medlineplus.gov/ency/article/000788.htm>]

Kuru [<https://medlineplus.gov/ency/article/001379.htm>]

National Institutes of Health

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

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