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Home → Health Topics → Eosinophilic Disorders

URL of this page: <https://medlineplus.gov/eosinophilicdisorders.html>

Eosinophilic Disorders

Also called: Eosinophilia

Eosinophils are a type of white blood cell. They help fight off infections and play a role in your body's immune response. They can also build up and cause inflammation.

Normally your blood doesn't have a large number of eosinophils. Your body may produce more of them in response to:

- Allergic disorders
- Skin conditions
- Parasitic and fungal infections
- Autoimmune diseases
- Some cancers
- Bone marrow disorders

In some conditions, the eosinophils can move outside the bloodstream and build up in organs and tissues. This can happen in many different parts of the body, including the esophagus [<https://medlineplus.gov/eosinophilicesophagitis.html>], heart, lungs, blood, and intestines. Treatment of eosinophilic disorders can vary, depending on the cause and which part of the body is affected. Steroids [<https://medlineplus.gov/steroids.html>] are often part of the treatment.

Start Here

- Eosinophilia [<https://www.mayoclinic.org/symptoms/eosinophilia/basics/definition/SYM-20050752?p=1>]
(Mayo Foundation for Medical Education and Research)
Also in Spanish [<https://www.mayoclinic.org/es/symptoms/eosinophilia/basics/definition/sym-20050752?p=1>]
- Eosinophilic Disorders [<https://www.merckmanuals.com/home/blood-disorders/white-blood-cell-disorders/eosinophilic-disorders>] (Merck & Co., Inc.)
Also in Spanish [<https://www.merckmanuals.com/es-us/hogar/trastornos-de-la-sangre/trastornos-de-los-gl%C3%B3bulos-blancos-leucocitos/trastornos-de-los-eosin%C3%B3filos>]

Diagnosis and Tests

- Upper GI Endoscopy [<https://www.niddk.nih.gov/health-information/diagnostic-tests/upper-gi-endoscopy>]
 (National Institute of Diabetes and Digestive and Kidney Diseases)
Also in Spanish [[https://www.niddk.nih.gov/health-information/informacion-de-la-salud/pruebas-diagnosticas/endoscopia-esofagogastroduodenal](https://www.niddk.nih.gov/health-information/informacion-de-la-salud/pruebas-diagnosticas/endoscopia-gastrointestinal-superior?dkrd=/health-information/informacion-de-la-salud/pruebas-diagnosticas/endoscopia-esofagogastroduodenal)]

Living With

- Feeding Tubes [https://apfed.org/resources/for-patients/for-adults/feeding-tubes/?q=adults_living_with_EGIDs]
(American Partnership for Eosinophilic Disorders)

Specifics

- Churg-Strauss Syndrome [<https://www.mayoclinic.org/diseases-conditions/churg-strauss-syndrome/symptoms-causes/syc-20353760?p=1>] (Mayo Foundation for Medical Education and Research)
- Eosinophilic Fasciitis [<https://www.merckmanuals.com/home/bone-joint-and-muscle-disorders/systemic-rheumatic-diseases/eosinophilic-fasciitis>] (Merck & Co., Inc.)
- Eosinophilic Granulomatosis with Polyangiitis, formerly Churg-Strauss Syndrome (EGPA) [<https://www.hopkinsvasculitis.org/types-vasculitis/churgstrauss-syndrome-css/>] (Johns Hopkins Vasculitis Center)
- Eosinophilic Lung Diseases and Disorders [<https://www.nationaljewish.org/conditions/eosinophilic-lung-diseases?modal=1>] (National Jewish Health)
- Hypereosinophilic Syndrome (HES) [<https://apfed.org/about-ead/hypereosinophilic-syndrome/>] (American Partnership for Eosinophilic Disorders)

Genetics

- Eosinophil peroxidase deficiency: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/eosinophil-peroxidase-deficiency>]  (National Library of Medicine)
- PDGFRA-associated chronic eosinophilic leukemia: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/pdgfra-associated-chronic-eosinophilic-leukemia>]  (National Library of Medicine)
- PDGFRB-associated chronic eosinophilic leukemia: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/pdgfrb-associated-chronic-eosinophilic-leukemia>]  (National Library of Medicine)

Clinical Trials

- ClinicalTrials.gov: Churg-Strauss Syndrome [<https://clinicaltrials.gov/search?cond=%22Churg-Strauss+Syndrome%22&aggFilters=status:not%20rec>]  (National Institutes of Health)
- ClinicalTrials.gov: Eosinophilia [<https://clinicaltrials.gov/search?cond=%22Eosinophilia%22&aggFilters=status:not%20rec>]  (National Institutes of Health)
- ClinicalTrials.gov: Hypereosinophilic Syndrome [<https://clinicaltrials.gov/search?cond=%22Hypereosinophilic+Syndrome%22&aggFilters=status:not%20rec>]  (National Institutes of Health)

Journal Articles

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

- Article: Strongyloides stercoralis prevalence and diagnostic efficacy of an IgG4 rapid test... [<https://www.ncbi.nlm.nih.gov/pubmed/40696476>]
- Article: Inflammation-driven periostin in ECRS has contrasting effects on tissue structural integrity... [<https://www.ncbi.nlm.nih.gov/pubmed/40607434>]
- Article: Tumor-Associated Tissue Eosinophilia in Oral Squamous Cell Carcinoma: Implications for Histopathologic... [<https://www.ncbi.nlm.nih.gov/pubmed/40599449>]
- Eosinophilic Disorders -- see more articles [[https://pubmed.ncbi.nlm.nih.gov/?term=%22Eosinophilia%22%5Bmajr%3Aexp%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+\]](https://pubmed.ncbi.nlm.nih.gov/?term=%22Eosinophilia%22%5Bmajr%3Aexp%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+)]

Reference Desk

- Eosinophilic Disorders Glossary [<https://apfed.org/about-ead/glossary/?q=Glossary>] (American Partnership for Eosinophilic Disorders)

Find an Expert

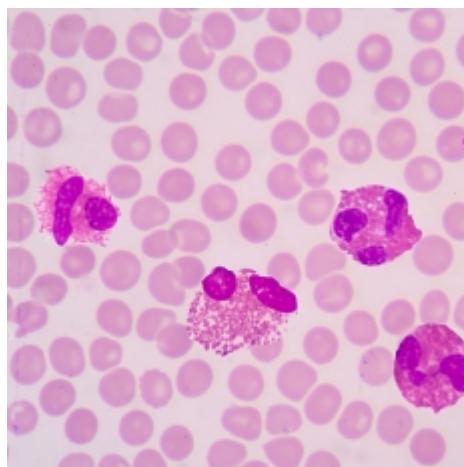
- National Institute of Diabetes and Digestive and Kidney Diseases [<https://www.niddk.nih.gov>] 

Children

- About Eosinophilic Disorders [<https://www.chop.edu/conditions-diseases/eosinophilic-esophagitis>] (Children's Hospital of Philadelphia)

Patient Handouts

- Eosinophil count - absolute [<https://medlineplus.gov/ency/article/003649.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/003649.htm>]
- Eosinophilic fasciitis [<https://medlineplus.gov/ency/article/000447.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000447.htm>]
- Simple pulmonary eosinophilia [<https://medlineplus.gov/ency/article/000105.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000105.htm>]



MEDICAL ENCYCLOPEDIA

Eosinophil count - absolute [<https://medlineplus.gov/ency/article/003649.htm>]

Eosinophilic fasciitis [<https://medlineplus.gov/ency/article/000447.htm>]

Simple pulmonary eosinophilia [<https://medlineplus.gov/ency/article/000105.htm>]

Related Health Topics

Eosinophilic Esophagitis [<https://medlineplus.gov/eosinophilicesophagitis.html>]

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