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# Granulomatosis with Polyangiitis

**Also called:** GPA, Wegener's Granulomatosis

Granulomatosis with polyangiitis (GPA), previously known as Wegener's granulomatosis, is a rare disease. It is a type of vasculitis [<https://medlineplus.gov/vasculitis.html>] , or inflammation of the blood vessels. The inflammation limits the flow of blood to important organs, causing damage. It can affect any organ, but it mainly affects the sinuses, nose, trachea (windpipe), lungs, and kidneys.

The cause of GPA is unknown. It can affect people at any age. Men and women are equally affected. It is more common in whites. Symptoms may include joint pain, weakness, tiredness, and cold symptoms such as a runny nose that doesn't get better. Doctors use blood tests, chest X-rays, and biopsies to diagnose GPA and rule out other causes of the symptoms.

Early treatment is important. Most people improve with medicines to slow or stop the inflammation.


## Learn More

- Antineutrophil Cytoplasmic Antibodies (ANCA) Test [<https://medlineplus.gov/lab-tests/antineutrophil-cytoplasmic-antibodies-anca-test/>]  (National Library of Medicine)  
Also in Spanish [<https://medlineplus.gov/spanish/pruebas-de-laboratorio/prueba-de-anticuerpos-frente-al-citoplasma-de-los-neutrofilos/>]
- Cyclophosphamide (Cytoxan) [<https://www.hopkinsvasculitis.org/vasculitis-treatments/cyclophosphamide-cytoxan/>]  
(Johns Hopkins Vasculitis Center)
- Erythrocyte Sedimentation Rate (ESR) [<https://medlineplus.gov/lab-tests/erythrocyte-sedimentation-rate-esr/>]  
 (National Library of Medicine)  
Also in Spanish [<https://medlineplus.gov/spanish/pruebas-de-laboratorio/tasa-de-sedimentacion-eritrocitica/>]
- Granulomatosis with Polyangiitis [<https://www.hopkinsvasculitis.org/types-vasculitis/granulomatosis-with-polyangiitis/>]  
(Johns Hopkins Vasculitis Center)
- Granulomatosis with Polyangiitis (Wegener's) [<https://rheumatology.org/patients/granulomatosis-with-polyangiitis-wegeners>]  
(American College of Rheumatology)  
Also in Spanish [<https://rheumatology.org/patients/granulomatosis-con-poliangitis-granulomatosis-de-wegener>]
- Granulomatosis with Polyangiitis: Symptoms and Causes [<https://www.mayoclinic.org/diseases-conditions/granulomatosis-with-polyangiitis/symptoms-causes/syc-20351088?p=1>] (Mayo Foundation for Medical Education and Research)  
Also in Spanish [<https://www.mayoclinic.org/es/diseases-conditions/granulomatosis-with-polyangiitis/symptoms-causes/syc-20351088?p=1>]
- Vasculitis Terms A to Z [<https://vasculitisfoundation.org/resources/glossary/>] (Vasculitis Foundation)

## Genetics

- Granulomatosis with polyangiitis: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/granulomatosis-with-polyangiitis>]  (National Library of Medicine)

## Clinical Trials

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

# Journal Articles

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

- Article: Cardiac Involvement in Eosinophilic Granulomatosis with Polyangiitis. [https://www.ncbi.nlm.nih.gov/pubmed/40632386]
- Article: Impact of Early MPO-ANCA Positivity on Unique Clinical Features in Korean... [https://www.ncbi.nlm.nih.gov/pubmed/40572776]
- Article: Granulomatosis with polyangiitis presenting as isolated ear involvement: a case series... [https://www.ncbi.nlm.nih.gov/pubmed/40567100]
- Granulomatosis with Polyangiitis -- see more articles [https://pubmed.ncbi.nlm.nih.gov/?term=%22Granulomatosis+with+Polyangiitis%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+]

## Patient Handouts

- Granulomatosis with polyangiitis [https://medlineplus.gov/ency/article/000135.htm] (Medical Encyclopedia)  
Also in Spanish [https://medlineplus.gov/spanish/ency/article/000135.htm]



## National Institutes of Health

The primary NIH organization for research on *Granulomatosis with Polyangiitis* is the National Institute of Allergy and Infectious Diseases [http://www.niaid.nih.gov/]

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