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Kidney Diseases

Also called: Renal disease

You have two kidneys, each about the size of your fist. They are near the middle of your back, just below the rib cage. Inside each kidney there are about a million tiny structures called nephrons. They filter your blood. They remove wastes and extra water, which become urine. The urine flows through tubes called ureters. It goes to your bladder, which stores the urine until you go to the bathroom.


Most kidney diseases attack the nephrons. This damage may leave kidneys unable to remove wastes. Causes can include genetic problems, injuries, or medicines. You have a higher risk of kidney disease if you have **diabetes** [<https://medlineplus.gov/diabetes.html>] , high blood pressure [<https://medlineplus.gov/highbloodpressure.html>] , or a close family member with kidney disease. Chronic kidney disease [<https://medlineplus.gov/chronickidneydisease.html>] damages the nephrons slowly over several years. Other kidney problems include:

- Cancer [<https://medlineplus.gov/kidneycancer.html>]
- Cysts [<https://medlineplus.gov/kidneycysts.html>]
- Stones [<https://medlineplus.gov/kidneystones.html>]
- Infections [<https://medlineplus.gov/urinarytractinfections.html>]




Your doctor can do blood and urine tests [<https://medlineplus.gov/kidneytests.html>] to check if you have kidney disease. If your kidneys fail [<https://medlineplus.gov/kidneyfailure.html>] , you will need dialysis [<https://medlineplus.gov/dialysis.html>] or a kidney transplant [<https://medlineplus.gov/kidneytransplantation.html>] .

NIH: National Institute of Diabetes and Digestive and Kidney Diseases


Start Here

- Your Kidneys and How They Work [<https://www.niddk.nih.gov/health-information/kidney-disease/kidneys-how-they-work>]
 (National Institute of Diabetes and Digestive and Kidney Diseases)
Also in Spanish [<https://www.niddk.nih.gov/health-information/informacion-de-la-salud/enfermedades-rinones/rinones-funcionamiento>]


Diagnosis and Tests

- Alport Syndrome Diagnosis [<https://www.alportsyndrome.org/about-alport-syndrome/diagnosis/>] (Alport Syndrome Foundation)
- Creatinine Test [<https://medlineplus.gov/lab-tests/creatinine-test/>]  (National Library of Medicine)
Also in Spanish [<https://medlineplus.gov/spanish/pruebas-de-laboratorio/prueba-de-creatinina/>]
- Kidney Tests: MedlinePlus Health Topic [<https://medlineplus.gov/kidneytests.html>]  (National Library of Medicine)
Also in Spanish [<https://medlineplus.gov/spanish/kidneytests.html>]
- Urinalysis: MedlinePlus Health Topic [<https://medlineplus.gov/urinalysis.html>]  (National Library of Medicine)
Also in Spanish [<https://medlineplus.gov/spanish/urinalysis.html>]

Prevention and Risk Factors

- Keep Your Kidneys Healthy [https://www.niddk.nih.gov/health-information/kidney-disease/chronic-kidney-disease-ckd/prevention]  (National Kidney Disease Education Program)
Also in Spanish [https://www.niddk.nih.gov/health-information/informacion-de-la-salud/enfermedades-rinones/informacion-general/prevencion]





Treatments and Therapies

- Dandelion [https://www.nccih.nih.gov/health/dandelion]  (National Center for Complementary and Integrative Health)
- Kidney removal (nephrectomy) - series [https://medlineplus.gov/ency/presentations/100069_1.htm] (Medical Encyclopedia)
Also in Spanish [https://medlineplus.gov/spanish/ency/esp_presentations/100069_1.htm]
- Nephrectomy (Kidney Removal) [https://www.mayoclinic.org/tests-procedures/nephrectomy/about/pac-20385165?p=1] (Mayo Foundation for Medical Education and Research)
Also in Spanish [https://www.mayoclinic.org/es/tests-procedures/nephrectomy/about/pac-20385165?p=1]


Living With


- Low Phosphorus Diet: Helpful for Kidney Disease? [https://www.mayoclinic.org/diseases-conditions/chronic-kidney-disease/expert-answers/food-and-nutrition/faq-20058408?p=1] (Mayo Foundation for Medical Education and Research)
Also in Spanish [https://www.mayoclinic.org/es/diseases-conditions/chronic-kidney-disease/expert-answers/food-and-nutrition/faq-20058408?p=1]
- Phosphorus and Your CKD Diet [https://www.kidney.org/kidney-topics/phosphorus-and-your-ckd-diet] (National Kidney Foundation)




Related Issues

- Anemia in Chronic Kidney Disease [https://www.niddk.nih.gov/health-information/kidney-disease/anemia]  (National Institute of Diabetes and Digestive and Kidney Diseases)
Also in Spanish [https://www.niddk.nih.gov/health-information/informacion-de-la-salud/enfermedades-rinones/anemia]
- Ectopic Kidney [https://www.niddk.nih.gov/health-information/kidney-disease/children/ectopic-kidney]  (National Institute of Diabetes and Digestive and Kidney Diseases)
Also in Spanish [https://www.niddk.nih.gov/health-information/informacion-de-la-salud/enfermedades-rinones/ninos/rinon-ectopico]
- Hydronephrosis [https://www.kidney.org/kidney-topics/hydronephrosis-0] (National Kidney Foundation)
- Keeping Kidneys Safe: Smart Choices about Medicines [https://www.niddk.nih.gov/health-information/kidney-disease/keeping-kidneys-safe]   (National Institute of Diabetes and Digestive and Kidney Diseases)
- Pain Medicines and Kidney Disease [https://www.kidney.org/kidney-topics/pain-medicines-and-kidney-disease] (National Kidney Foundation)


















Specifics


- Alport Syndrome [https://www.kidney.org/kidney-topics/alport-syndrome] (National Kidney Foundation)
- Amyloidosis and Kidney Disease [https://www.niddk.nih.gov/health-information/kidney-disease/amyloidosis]  (National Institute of Diabetes and Digestive and Kidney Diseases)
- Anti-GBM (Goodpasture's) Disease [https://www.niddk.nih.gov/health-information/kidney-disease/glomerular-disease/anti-gbm-goodpastures-disease]  (National Institute of Diabetes and Digestive and Kidney Diseases)
- Glomerular Diseases [https://www.niddk.nih.gov/health-information/kidney-disease/glomerular-disease?dkrd=/health-information/kidney-disease/glomerular-diseases]  (National Institute of Diabetes and Digestive and Kidney Diseases)
- IgA Nephropathy [https://www.niddk.nih.gov/health-information/kidney-disease/iga-nephropathy]  (National Institute of Diabetes and Digestive and Kidney Diseases)
- Interstitial Nephritis [https://familydoctor.org/condition/interstitial-nephritis/?adfree=true] (American Academy of Family Physicians)
Also in Spanish [https://es.familydoctor.org/condicion/nefritis-intersticial-es/?adfree=true]












Lupus Nephritis [<https://www.niddk.nih.gov/health-information/kidney-disease/lupus-nephritis>]
 (National Institute of Diabetes and Digestive and Kidney Diseases)

- Nephrotic Syndrome [<https://www.mayoclinic.org/diseases-conditions/nephrotic-syndrome/symptoms-causes/syc-20375608?p=1>] (Mayo Foundation for Medical Education and Research)
- Nephrotic Syndrome in Adults [<https://www.niddk.nih.gov/health-information/kidney-disease/nephrotic-syndrome-adults>]
 (National Institute of Diabetes and Digestive and Kidney Diseases)
- Renal Tubular Acidosis [<https://www.niddk.nih.gov/health-information/kidney-disease/renal-tubular-acidosis>]
 (National Institute of Diabetes and Digestive and Kidney Diseases)
- Solitary or Single-Functioning Kidney [<https://www.niddk.nih.gov/health-information/kidney-disease/solitary-kidney>]
 (National Institute of Diabetes and Digestive and Kidney Diseases)
Also in Spanish [<https://www.niddk.nih.gov/health-information/informacion-de-la-salud/enfermedades-rinones/rinon-unico>]

Genetics

- 17q12 deletion syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/17q12-deletion-syndrome>]
 (National Library of Medicine)
- Action myoclonus-renal failure syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/action-myoclonus-renal-failure-syndrome>]  (National Library of Medicine)
- Alport syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/alport-syndrome/>]
 (National Library of Medicine)
- Atypical hemolytic-uremic syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/atypical-hemolytic-uremic-syndrome>]  (National Library of Medicine)
- Autosomal dominant tubulointerstitial kidney disease--UMOD: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/autosomal-dominant-tubulointerstitial-kidney-disease-umod/>]
 (National Library of Medicine)
- Bardet-Biedl syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/bardet-biedl-syndrome>]
 (National Library of Medicine)
- Bartter syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/bartter-syndrome>]
 (National Library of Medicine)
- Branchiootorenal/branchiootic syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/branchiootorenal-branchiootic-syndrome>]  (National Library of Medicine)
- C3 glomerulopathy: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/c3-glomerulopathy>]
 (National Library of Medicine)
- Complete LCAT deficiency: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/complete-lcat-deficiency>]
 (National Library of Medicine)
- Congenital anomalies of kidney and urinary tract: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/congenital-anomalies-of-kidney-and-urinary-tract>]  (National Library of Medicine)
- Congenital nephrotic syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/congenital-nephrotic-syndrome>]  (National Library of Medicine)
- Cystinosis: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/cystinosis>]  (National Library of Medicine)
- Dent disease: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/dent-disease>]
 (National Library of Medicine)
- Denys-Drash syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/denys-drash-syndrome>]
 (National Library of Medicine)
- Frasier syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/frasier-syndrome>]
 (National Library of Medicine)
- Gitelman syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/gitelman-syndrome>]
 (National Library of Medicine)

Hyperphosphatemic familial tumoral calcinosis: MedlinePlus Genetics
[<https://medlineplus.gov/genetics/condition/hyperphosphatemic-familial-tumoral-calcinosis>]  (National Library of Medicine)

- Lowe syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/lowe-syndrome>]  (National Library of Medicine)
- Mainzer-Saldino syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/mainzer-saldino-syndrome>]  (National Library of Medicine)
- Medullary cystic kidney disease type 1: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/medullary-cystic-kidney-disease-type-1>]  (National Library of Medicine)
- Nail-patella syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/nail-patella-syndrome>]  (National Library of Medicine)
- REN-related kidney disease: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/ren-related-kidney-disease>]  (National Library of Medicine)
- Renal coloboma syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/renal-coloboma-syndrome/>]  (National Library of Medicine)
- Renal hypouricemia: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/renal-hypouricemia>]  (National Library of Medicine)
- Renal tubular acidosis with deafness: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/renal-tubular-acidosis-with-deafness>]  (National Library of Medicine)
- Renal tubular dysgenesis: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/renal-tubular-dysgenesis>]  (National Library of Medicine)
- Senior-Løken syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/senior-loken-syndrome>]  (National Library of Medicine)
- Townes-Brocks Syndrome: MedlinePlus Genetics [<https://medlineplus.gov/genetics/condition/townes-brocks-syndrome>]  (National Library of Medicine)



Health Check Tools

- **New!** Are You at Risk of Developing Kidney Disease?: One-Minute Quiz [<https://www.kidney.org/kidney-quiz/>] (National Kidney Foundation)




Videos and Tutorials

- Kidney School [<https://kidneyschool.org/mods/>] (Life Options Rehabilitation Program)

Statistics and Research

- A Better Test for Kidney Disease [<https://newsinhealth.nih.gov/2021/12/better-test-kidney-disease>]  (National Institutes of Health)
Also in Spanish [<https://salud.nih.gov/recursos-de-salud/nih-noticias-de-salud/una-prueba-mas-eficaz-para-detectar-la-enfermedad-renal>]
- FastStats: Kidney Disease [<https://www.cdc.gov/nchs/fastats/kidney-disease.htm>] (National Center for Health Statistics)
- Kidney Disease Statistics for the United States [<https://www.niddk.nih.gov/health-information/health-statistics/kidney-disease>]  (National Institute of Diabetes and Digestive and Kidney Diseases)

Clinical Trials


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

Journal Articles



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

- Article: Independent and combined relationships between light at night, air pollutants, PM(2.5)...
[https://www.ncbi.nlm.nih.gov/pubmed/40753430]
- Article: Development of a machine learning model for predicting renal damage in...
[https://www.ncbi.nlm.nih.gov/pubmed/40751187]
- Article: Unexpected Predictors of Mortality During a DENV-3 Outbreak in Western Mexico:...
[https://www.ncbi.nlm.nih.gov/pubmed/40733567]
- Kidney Diseases -- see more articles [https://pubmed.ncbi.nlm.nih.gov/?term=%22Kidney+Diseases%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+]

Reference Desk

- Kidneys and Urinary Tract (For Parents) [https://kidshealth.org/en/parents/kidneys-urinary.html] (Nemours Foundation)
Also in Spanish [https://kidshealth.org/es/parents/kidneys-urinary.html]
- Your Kidneys and How They Work [https://www.niddk.nih.gov/health-information/kidney-disease/kidneys-how-they-work]  (National Institute of Diabetes and Digestive and Kidney Diseases)
Also in Spanish [https://www.niddk.nih.gov/health-information/informacion-de-la-salud/enfermedades-rinones/rinones-funcionamiento]

Find an Expert

- National Institute of Diabetes and Digestive and Kidney Diseases [https://www.niddk.nih.gov] 
- National Kidney Disease Education Program [https://www.niddk.nih.gov/health-information/community-health-outreach/information-clearinghouses/nkdep] 
- National Kidney Foundation [https://www.kidney.org/]

Children

- Blood in the Urine (Hematuria) (For Parents) [https://kidshealth.org/en/parents/hematuria.html] (Nemours Foundation)
Also in Spanish [https://kidshealth.org/es/parents/hematuria.html]
- Glomerulonephritis (For Parents) [https://kidshealth.org/en/parents/glomerulonephritis.html] (Nemours Foundation)
Also in Spanish [https://kidshealth.org/es/parents/glomerulonephritis.html]
- Hemolytic Uremic Syndrome in Children [https://www.niddk.nih.gov/health-information/kidney-disease/children/hemolytic-uremic-syndrome]  (National Institute of Diabetes and Digestive and Kidney Diseases)
- Hydronephrosis in Newborns [https://www.niddk.nih.gov/health-information/urologic-diseases/hydronephrosis-newborns]  (National Kidney and Urologic Diseases Information Clearinghouse)
Also in Spanish [https://www.niddk.nih.gov/health-information/informacion-de-la-salud/enfermedades-urologicas/hidronefrosis-recien-nacidos]
- Kidney Disease in Children [https://www.niddk.nih.gov/health-information/kidney-disease/children]  (National Institute of Diabetes and Digestive and Kidney Diseases)
Also in Spanish [https://www.niddk.nih.gov/health-information/informacion-de-la-salud/enfermedades-rinones/ninos]
- Nephrotic Syndrome [https://kidshealth.org/en/parents/nephrotic-syndrome.html] (Nemours Foundation)
Also in Spanish [https://kidshealth.org/es/parents/nephrotic-syndrome.html]
- Nephrotic Syndrome in Children [https://www.niddk.nih.gov/health-information/kidney-disease/children/nephrotic-syndrome-children]  (National Institute of Diabetes and Digestive and Kidney Diseases)
- Proteinuria in Children [https://familydoctor.org/proteinuria-in-children/?adfree=true] (American Academy of Family Physicians)
Also in Spanish [https://es.familydoctor.org/proteinuria-en-los-ninos/?adfree=true]
- Renal Tubular Acidosis [https://kidshealth.org/en/parents/renal-tubular-acidosis.html] (Nemours Foundation)
Also in Spanish [https://kidshealth.org/es/parents/renal-tubular-acidosis.html]

Ultrasound: Renal (Kidneys, Ureters, Bladder) (For Parents) [<https://kidshealth.org/en/parents/renal-ultrasound.html>] (Nemours Foundation)

Teenagers

- Kidneys and Urinary Tract [<https://kidshealth.org/en/teens/kidneys.html>] (Nemours Foundation)
Also in Spanish [<https://kidshealth.org/es/teens/kidneys.html>]

Older Adults

- Kidney Problems [<https://www.healthinaging.org/a-z-topic/kidney-problems>] (AGS Health in Aging Foundation)

Patient Handouts

- ACE inhibitors [<https://medlineplus.gov/ency/patientinstructions/000087.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/patientinstructions/000087.htm>]
- Acute nephritic syndrome [<https://medlineplus.gov/ency/article/000495.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000495.htm>]
- Analgesic nephropathy [<https://medlineplus.gov/ency/article/000482.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000482.htm>]
- Anti-glomerular basement membrane disease [<https://medlineplus.gov/ency/article/000142.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000142.htm>]
- Atheroembolic renal disease [<https://medlineplus.gov/ency/article/000480.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000480.htm>]
- Bartter syndrome [<https://medlineplus.gov/ency/article/000308.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000308.htm>]
- Bilateral hydronephrosis [<https://medlineplus.gov/ency/article/000474.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000474.htm>]
- Congenital nephrotic syndrome [<https://medlineplus.gov/ency/article/001576.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/001576.htm>]
- Distal renal tubular acidosis [<https://medlineplus.gov/ency/article/000493.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000493.htm>]
- Focal segmental glomerulosclerosis [<https://medlineplus.gov/ency/article/000478.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000478.htm>]
- Glomerulonephritis [<https://medlineplus.gov/ency/article/000484.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000484.htm>]
- Hydronephrosis of one kidney [<https://medlineplus.gov/ency/article/000506.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000506.htm>]
- IgA nephropathy [<https://medlineplus.gov/ency/article/000466.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000466.htm>]
- Injury - kidney and ureter [<https://medlineplus.gov/ency/article/001065.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/001065.htm>]
- Interstitial nephritis [<https://medlineplus.gov/ency/article/000464.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000464.htm>]
- Kidney removal [<https://medlineplus.gov/ency/article/003001.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/003001.htm>]
- Kidney removal - discharge [<https://medlineplus.gov/ency/patientinstructions/000295.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/patientinstructions/000295.htm>]
- Membranoproliferative glomerulonephritis [<https://medlineplus.gov/ency/article/000475.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000475.htm>]

- **Membranous nephropathy** [<https://medlineplus.gov/ency/article/000472.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000472.htm>]
- **Minimal change disease** [<https://medlineplus.gov/ency/article/000496.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000496.htm>]
- **Nephrocalcinosis** [<https://medlineplus.gov/ency/article/000492.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000492.htm>]
- **Nephrotic syndrome** [<https://medlineplus.gov/ency/article/000490.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000490.htm>]
- **Obstructive uropathy** [<https://medlineplus.gov/ency/article/000507.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000507.htm>]
- **Perirenal abscess** [<https://medlineplus.gov/ency/article/001274.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/001274.htm>]
- **Proximal renal tubular acidosis** [<https://medlineplus.gov/ency/article/000497.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000497.htm>]
- **Reflux nephropathy** [<https://medlineplus.gov/ency/article/000459.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000459.htm>]
- **Renal papillary necrosis** [<https://medlineplus.gov/ency/article/000488.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000488.htm>]
- **Renal vein thrombosis** [<https://medlineplus.gov/ency/article/000513.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/000513.htm>]



MEDICAL ENCYCLOPEDIA

- ACE inhibitors [<https://medlineplus.gov/ency/patientinstructions/000087.htm>]
- Acute arterial occlusion - kidney [<https://medlineplus.gov/ency/article/001272.htm>]
- Acute nephritic syndrome [<https://medlineplus.gov/ency/article/000495.htm>]
- Aging changes in the kidneys [<https://medlineplus.gov/ency/article/004010.htm>]
- Alport syndrome [<https://medlineplus.gov/ency/article/000504.htm>]
- Analgesic nephropathy [<https://medlineplus.gov/ency/article/000482.htm>]
- Anti-glomerular basement membrane disease [<https://medlineplus.gov/ency/article/000142.htm>]
- Atheroembolic renal disease [<https://medlineplus.gov/ency/article/000480.htm>]
- Bartter syndrome [<https://medlineplus.gov/ency/article/000308.htm>]
- Bilateral hydronephrosis [<https://medlineplus.gov/ency/article/000474.htm>]
- Congenital nephrotic syndrome [<https://medlineplus.gov/ency/article/001576.htm>]

[Distal renal tubular acidosis \[https://medlineplus.gov/ency/article/000493.htm\]](https://medlineplus.gov/ency/article/000493.htm)

[Fanconi syndrome \[https://medlineplus.gov/ency/article/000333.htm\]](https://medlineplus.gov/ency/article/000333.htm)

[Focal segmental glomerulosclerosis \[https://medlineplus.gov/ency/article/000478.htm\]](https://medlineplus.gov/ency/article/000478.htm)

[Fractional excretion of sodium \[https://medlineplus.gov/ency/article/003602.htm\]](https://medlineplus.gov/ency/article/003602.htm)

[Glomerulonephritis \[https://medlineplus.gov/ency/article/000484.htm\]](https://medlineplus.gov/ency/article/000484.htm)

[High potassium level \[https://medlineplus.gov/ency/article/001179.htm\]](https://medlineplus.gov/ency/article/001179.htm)

[Hydronephrosis of one kidney \[https://medlineplus.gov/ency/article/000506.htm\]](https://medlineplus.gov/ency/article/000506.htm)

[IgA nephropathy \[https://medlineplus.gov/ency/article/000466.htm\]](https://medlineplus.gov/ency/article/000466.htm)

[Injury - kidney and ureter \[https://medlineplus.gov/ency/article/001065.htm\]](https://medlineplus.gov/ency/article/001065.htm)

[Interstitial nephritis \[https://medlineplus.gov/ency/article/000464.htm\]](https://medlineplus.gov/ency/article/000464.htm)

[Kidney removal \[https://medlineplus.gov/ency/article/003001.htm\]](https://medlineplus.gov/ency/article/003001.htm)

[Kidney removal \(nephrectomy\) - series \[https://medlineplus.gov/ency/presentations/100069_1.htm\]](https://medlineplus.gov/ency/presentations/100069_1.htm)

[Kidney removal - discharge \[https://medlineplus.gov/ency/patientinstructions/000295.htm\]](https://medlineplus.gov/ency/patientinstructions/000295.htm)

[Low blood potassium \[https://medlineplus.gov/ency/article/000479.htm\]](https://medlineplus.gov/ency/article/000479.htm)

[Membranoproliferative glomerulonephritis \[https://medlineplus.gov/ency/article/000475.htm\]](https://medlineplus.gov/ency/article/000475.htm)

[Membranous nephropathy \[https://medlineplus.gov/ency/article/000472.htm\]](https://medlineplus.gov/ency/article/000472.htm)

[Minimal change disease \[https://medlineplus.gov/ency/article/000496.htm\]](https://medlineplus.gov/ency/article/000496.htm)

[Nephrocalcinosis \[https://medlineplus.gov/ency/article/000492.htm\]](https://medlineplus.gov/ency/article/000492.htm)

[Nephrotic syndrome \[https://medlineplus.gov/ency/article/000490.htm\]](https://medlineplus.gov/ency/article/000490.htm)

[Obstructive uropathy \[https://medlineplus.gov/ency/article/000507.htm\]](https://medlineplus.gov/ency/article/000507.htm)

[Perirenal abscess \[https://medlineplus.gov/ency/article/001274.htm\]](https://medlineplus.gov/ency/article/001274.htm)

[Poststreptococcal glomerulonephritis \(GN\) \[https://medlineplus.gov/ency/article/000503.htm\]](https://medlineplus.gov/ency/article/000503.htm)

[Proximal renal tubular acidosis \[https://medlineplus.gov/ency/article/000497.htm\]](https://medlineplus.gov/ency/article/000497.htm)

[Reflux nephropathy \[https://medlineplus.gov/ency/article/000459.htm\]](https://medlineplus.gov/ency/article/000459.htm)

[Renal papillary necrosis \[https://medlineplus.gov/ency/article/000488.htm\]](https://medlineplus.gov/ency/article/000488.htm)

[Renal perfusion scintiscan \[https://medlineplus.gov/ency/article/003831.htm\]](https://medlineplus.gov/ency/article/003831.htm)

[Renal vein thrombosis \[https://medlineplus.gov/ency/article/000513.htm\]](https://medlineplus.gov/ency/article/000513.htm)

[UPJ obstruction \[https://medlineplus.gov/ency/article/001267.htm\]](https://medlineplus.gov/ency/article/001267.htm)

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[Kidney Transplantation \[https://medlineplus.gov/kidneytransplantation.html\]](https://medlineplus.gov/kidneytransplantation.html)

Urine and Urination [<https://medlineplus.gov/urineandurination.html>]

National Institutes of Health

The primary NIH organization for research on *Kidney Diseases* is the National Institute of Diabetes and Digestive and Kidney Diseases [<https://www.niddk.nih.gov>]

Other Languages

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

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