

Understanding Your Kidneys and Kidney Disease

Learn More About a Rare Kidney Disease: Polycystic Kidney Disease (PKD)

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This presentation was developed in collaboration with NephU.org.

TODAY'S AGENDA



- Introductions
- Presentation
- Hear a Patient Story
- Question and Answer Session
- ✓ Available Resources
- Survey

SPEAKER INTRODUCTION



<Speaker name>, <Degree Title>

- <Place of Employment>
- <Placeholder for additional
- speaker information>

About Kidney Disease

TEST YOUR KNOWLEDGE

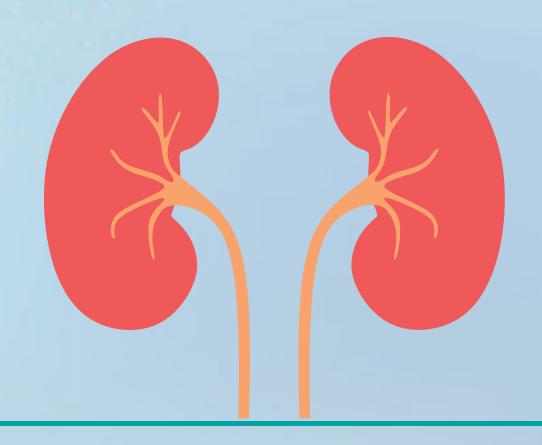


What do your kidneys do?

- A. Break down the food you eat
- B. Pass oxygen throughout your body
- C. Clean your blood
- D. Help your sleep patterns

HOW DO YOUR KIDNEYS WORK?

- Inside each kidney are millions of small units that clean your blood
- Your kidneys give needed food to your blood and take away waste you do not need

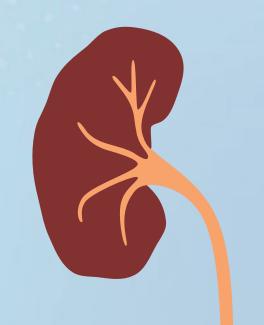


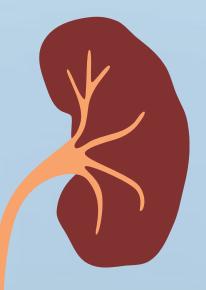
WHAT IS CHRONIC KIDNEY DISEASE (CKD)?

When kidneys don't work as well as they should over a long period of time, this is called chronic kidney disease (CKD)

In CKD, toxic waste and extra fluid accumulate in the body and may lead to high blood pressure, heart disease, stroke, and early death.

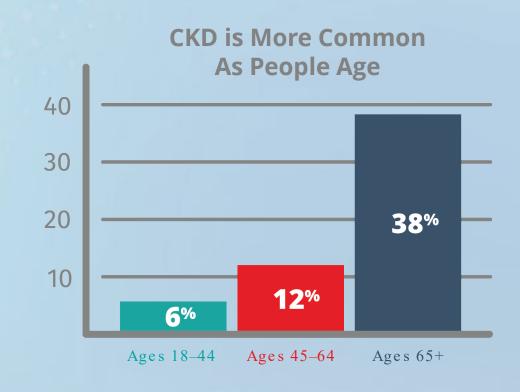
However, people with CKD and people at risk for CKD can take steps to protect their kidneys with the help of their healthcare providers.





CKD AMONG ADULTS IN THE UNITED STATES

- More than 1 in 7 U.S. adults, that is 37 million people in the United States are estimated to have CKD
- As many as 9 in 10 U.S. adults with CKD do not know they have CKD
- About 2 in 5 U.S. adults with severe CKD do not know they have CKD
- It is slightly more common in women (14%) than men (12%)



CKD IN BLACK AND HISPANIC/LATINO COMMUNITIES



16%
BLACK ADULTS

14%
HISPANIC/LATINO ADULTS

13% WHITE ADULTS

Because of their higher risk, it is recommended that Black and Hispanic/Latino people watch for signs of kidney disease.

And they should use the information shared today to see and talk to their doctor about the disease.

WHAT ARE THE RISK FACTORS?

Risk factors to look for include:

- Heart disease
- High blood pressure
- Diabetes
- Being overweight
- Family history of kidney disease
- Older age
- Have low birth weight



WHAT CAUSES CHRONIC KIDNEY DISEASE (CKD)?



Diabetes and high blood pressure are the most common causes of CKD.

Other causes of CKD include:

- · Heart disease
- Hypertension
- Lupus
- Polycystic Kidney Disease (PKD)

- IgA Nephropathy
- Glomerulonephritis
- Anti-GBM Disease (Goodpasture's)

Polycystic kidney disease (PKD) is a genetic condition that can also lead to CKD through the growth of many cysts

There are two types of PKD

- Autosomal recessive PKD or ARPKD
 - ARPKD is present at birth and leads to enlarged kidneys very early on
- Autosomal dominant PKD or ADPKD
 - ADPKD is the most common inherited kidney disease that typically presents in adulthood and may eventually lead to kidney replacement



ADPKD = AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE

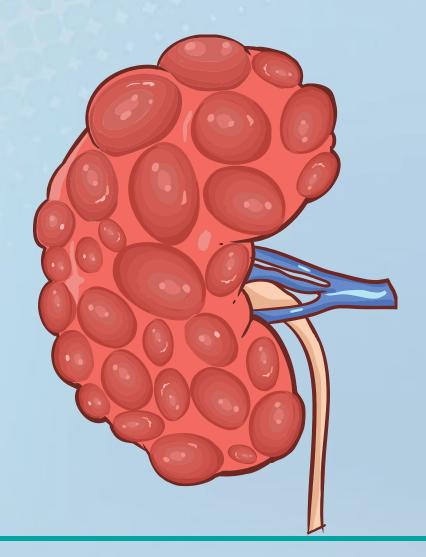
About Autosomal Dominant Polycystic Kidney Disease (ADPKD)



WHAT HAPPENS WHEN YOU GET ADPKD?

With ADPKD, your kidneys will have cysts

- · Cysts are sacs that have fluid in them
- As the cysts get bigger, they keep the kidneys from working the way they should
- This could lead to kidney failure



TEST YOUR KNOWLEDGE



A healthy kidney is about the size of:

A. a watermelon

B. a jellybean

C. a golf ball

D. a fist

TEST YOUR KNOWLEDGE



A polycystic kidney can grow to the size of:

A. a lemon

B. a grapefruit

C. a football

D. a tennis ball

WHO GETS ADPKD?

For most people, ADPKD is inherited, or passed down, from one parent

- If either the mother or father have ADPKD, a child has a 50% chance of getting the disease
- There are some people who get ADPKD without a clear family history; this happens to about 1 in 20 people



ADPKD = AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE

COMMON SIGNS AND SYMPTOMS OF ADPKD



Symptoms of ADPKD can happen slowly.

Some people don't see the symptoms until they are adults (usually between 30 and 50 years old)

ADPKD = AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE

ADPKD CAN CAUSE PROBLEMS FOR MANY PARTS OF THE BODY

Cysts can be on the kidneys years before kidney damage is found



BRAIN

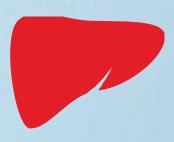
You can get a bleed in your brain although it is rare

It can lead to a stroke, brain damage, coma, or death



HEART

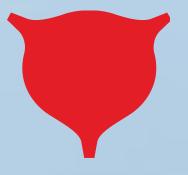
It can lead to high blood pressure
It can increase your risk of heart
disease and stroke



LIVER

You can get cysts (sacs of fluid) in your liver

Cysts can cause pain, infection, or bleeding



BLADDER & URINARY TRACT

The cysts in your kidneys interfere with the normal flow of urine and might increase the chance of an infection

ADPKD = AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE

HOW CAN A DOCTOR TELL IF YOU HAVE ADPKD?



A doctor, such as your primary care physician or a nephrologist (a doctor who treats kidneys) can tell you have ADPKD by

- Discussing your health and family history
- Ordering blood and urine tests
- Taking a picture, or image, of your kidneys
- May recommend a genetic test

ADPKD = AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE

WHAT CAN PATIENTS LIVING WITH ADPKD DO TO MANAGE THE DISEASE?

Work with their kidney doctor (also called a nephrologist) or your primary care physician to learn more about disease management options

Limit salt intake

Build a strong support system of family and friends

Eat more fruits and vegetables



Write down how they are feeling and questions for the doctor to discuss at their next appointment

Keep a close watch on their blood pressure

Drink more water

Exercise

ADPKD = AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE

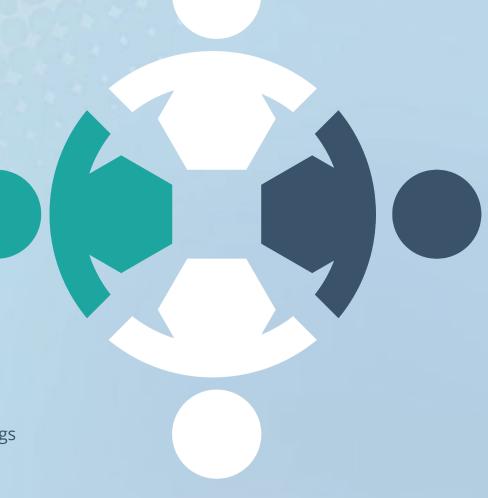
NUTRITION AND DIET

- Monitor calories to maintain weight goals and reduce the risk of diabetes and heart disease
- Eat moderate amounts of protein such as meat, poultry, seafood and eggs
- Drink plenty of water
- Reduce salt intake
- Monitor fats
- Regulate potassium and phosphorous intake



TALKING TO YOUR FAMILY ABOUT ADPKD

- An ADPKD diagnosis can be scary for you and your family
- Speaking with your family about ADPKD may help to reduce fears and learn more about the disease
- Here are some tips that can help you start a conversation with family members
 - Explain to your family members that if you have this disease, they might too.
 Suggest they also get screened
 - Encourage your children and loved ones to ask questions and share their feelings
 - Consider including your loved ones in visits to your doctor



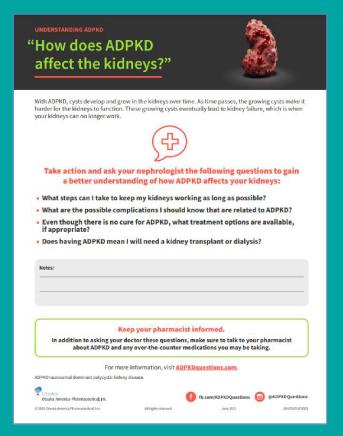
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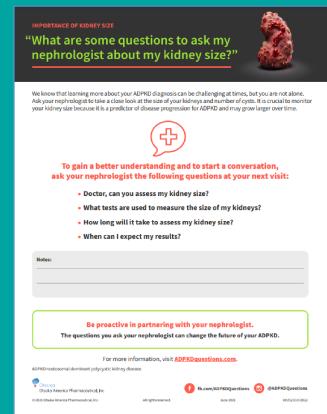
Hear a Patient Story

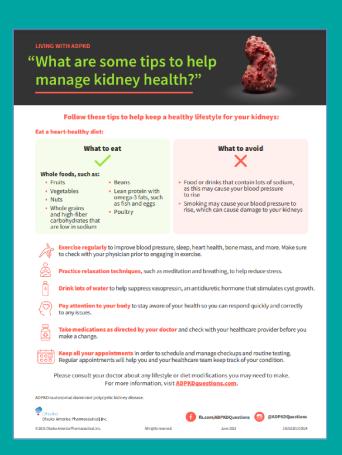


Question and Answer Session

www.KidneyQuestions.com







Resources available in English and Spanish



Talking With Your Family and Friends

Talking about your ADPKD diagnosis and condition is your decision to make. You decide if, when, and to whom you share your story. If you decide to talk about it, do it in a way that feels most comfortable to

Talking with family members about ADPKD

Because ADPKD is genetic, meaning it runs in families, it can affect the family as a whole. This is one reason you may find it essential to talk with family about your diagnosis. In fact, many PKD experts suggest you share information about your condition, especially with adult family members. This gives them the chance to learn about what is going on with you, become educated about ADPKD, and possibly make informed choices about their own medical care.

Below are some important reasons for talking about your ADPKD diagnosis with family

- . It gives you the chance to share how you are affected and learn how they are affected.
- Farly diagnosis may mean better disease. management by treating symptoms such as high blood pressure and making lifestyle changes to help protect kidney function.
- · Early treatment may help manage diseaserelated complications.
- Early screening and diagnosis may make it possible to continue leading an active and productive life for longer.



Talking about ADPKD is a personal decision. If you decide to talk about it, do it in a way that you are comfortable and feels easiest to



Talking With Employers

Talking about your ADPKD diagnosis and condition is your decision to make. You decide if, when, and to whom you share your story. If you decide to talk about it, do it in a way that feels most comfortable to you.

Talking with employers about ADPKD

NephU"

You may have concerns about talking with your employer about your chronic condition. This is understandable, However, if it feels right to you and you decide to talk with your employer about your ADPKD, below are some considerations:

- · Be prepared to educate your employer on ADPKD and CKD.
- Point them to resources and organizations to learn more. Discuss both your concerns around how your condition may or may not impact your ability to work as far as capabilities,
- limitations (if any), and time off needed. If you feel reasonable adjustments can be made to help you complete your work OR navigate your day, ask, Employers may not know what can help.
- Topics you and your employer may want to discuss: . Changing your work schedule to allow for healthcare
- Making up time taken off for medical reasons
- · Physical limitations (eg. travel, lifting heavy objects), if
- Flexibility with restroom breaks
- What to do in case of an emergency
- Discuss the possibility of assigning any of your non-essential tasks to other employees, at your request

To help prepare for your discussion with your employer, consider role playing how it may go with a loved one or friend.

ation can be an important part of coping with chronic diseases like ADPKD. Again, talking about ADPKD is a personal decision. If you decide to talk with your employer about your condition, it gives you the chance to be open and your employer the chance to provide support.



Employers may not know about tax credits available for making changes to the workplace, such as flexible

Questions? Concerns? Never

schedules.

hesitate to ask. You have a right to know everything about your health and your care.

Norteamericana de Pacientes Renales) | aakp.org

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continuación.

Enfoque en la ADPKD

American Association of Kidney Patients, AAKP (Asociación · Educación y defensa para pacientes renales en los Estados Unido

PKD International (PKD Internacional) | pkdinternational.org

encontrar una cura y ofrecer educación sobre la PKD.

¿Dónde puedo encontrar ayuda para la ADPKD?

PKD Foundation (Fundación PKD) | pkdcure.org

con otras personas que viven experiencias similares, visite los sitios a

Hay muchas organizaciones y recursos disponibles en la comunidad sobre la

enfermedad renal poliquística, o PKD por sus siglas en inglés, para ayudarlo a

usted v a su ser querido con ADPKD. Para obtener más información v conectarse

American Kidney Fund (Fondo Norteamericano del Riñón) | kidneyfund.org · Proporciona asistencia caritativa a pacientes en diálisis que necesitan ayuda con los costos del tratamiento para la insuficiencia renal.

· Dedicada a la investigación y educación de la enfermedad renal poliquística (PKD)

Alianza alobal de organizaciones de pacientes de todo el mundo, dedicada a

Apoyo para el

paciente y el cuidador

MedlinePlus | medlineplus.gov

Enfoque renal o de salud general.

Fundaciones y sitios informativos*

Un servicio de la Riblioteca Nacional de Medicina de los FE UII , con información sobre

National Kidney Foundation (Fundación Nacional del Riñón) | kidney.org

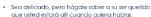
Apovo entre colegas e información para pacientes renales

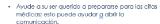


Cómo apoyar a su ser querido que padece de ADPKD

Comunicación sobre los cuidados

Hablar sobre la ADPKD es una decisión personal y puede ser difícil para su ser querido que enfrenta esta afección. No saber qué decir puede aumentar su estrés y hacer más difícil poder cuidarlo.





 Recuérdele a su ser querido que cuanto más sepa de su afección, más podrá apoyarlo.

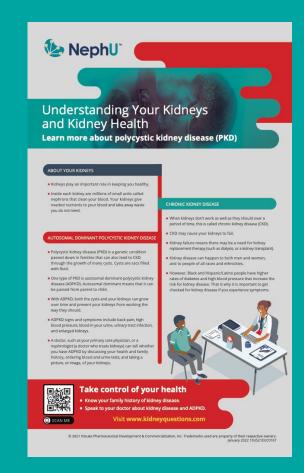
Cómo ayudar a su ser querido a prepararse para las citas médicas

Como cuidador de una persona con ADPKD, se le puede pedir que acuda a las citas médicas. Puede ayudar a preparar a su ser querido para las citas, a fin de que ambos las aprovechen al máximo. Recuerde: es muy importante ser abiertos y honestos. Conversar sobre las inquietudes e informar con precisión lo que está sucediendo puede ayudar a los proveedores de atención médica a comprender todos los aspectos. Así podrán ofrecer la avuda y el apoyo necesarios

Registre las preguntas o inquietudes antes de la cita y lleve sus anotaciones el día de la cita. Esto puede ayudarle a mantenerse enfocado en lo que es



Infographics





In Summary

What you need to remember about ADPKD



SUMMARY

- When kidneys don't work as well as they should over a long period of time, this is called chronic kidney disease (CKD)
- · CKD can get worse over time and may cause your kidneys to fail
- Autosomal dominant polycystic kidney disease (ADPKD) means your kidneys have cysts
- Both the cysts and your kidneys can grow over time and keep your kidneys from working the way they should
- If either the mother or father have ADPKD, a child has a 50% chance of getting the disease





SUMMARY (Continued)

- ADPKD can happen to men and women, to people of all races and ethnicities who live anywhere in the world
- ADPKD signs include back pain, high blood pressure, blood in your urine, urinary tract infection, and enlarged kidneys
- ADPKD is often diagnosed in patients between the ages of 30 and 50, depending on when symptoms start
- Talk to your doctor if you see any signs; your doctor will help to manage and treat the disease
- Finding ADPKD early is very important



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TAKE CONTROL OF YOUR HEALTH

Know your family history of kidney disease

Speak to your doctor about kidney disease and ADPKD

Visit www.KidneyQuestions.com

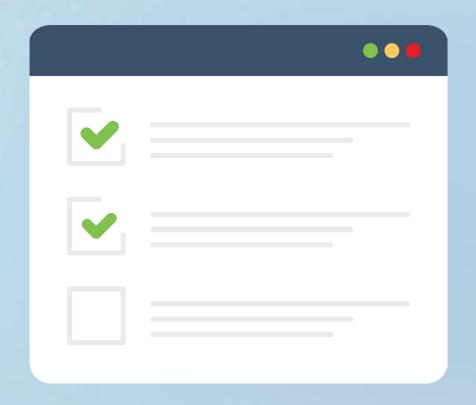


ADPKD = AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE

Survey 60

SURVEY

We would like your feedback so we can keep improving our program. Please complete a quick survey and let us know your thoughts (your answers will be confidential)



THANK YOU FOR ATTENDING