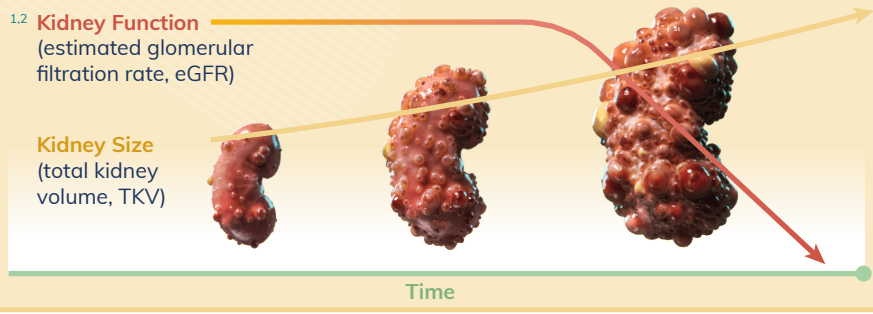



Total Kidney Volume (TKV) In Autosomal Dominant Polycystic Kidney Disease (ADPKD)



Why TKV Is Important^{1,2}

In ADPKD, kidneys may keep functioning well for some time, even if they are enlarged with cysts. Tracking TKV can help your doctor to predict how ADPKD will progress for you over time.


Methods That Estimate TKV



Ultrasound

Ultrasound Imaging:


- This method does not use dyes or radiation and can provide measurements of the size of your kidneys.
- It's cost effective and safe but not as accurate for measuring small cysts.¹



MRI

Magnetic Resonance Imaging (MRI):

- This large tube scanner uses a magnet, sound waves, and a computer to create an image.
- MRIs can reliably measure kidney volume and provide 3-dimensional images.
- It's more expensive than ultrasound and not available at every imaging center.¹




CT Scan

Computed Tomography Scan (CT Scan):


- This scanner typically looks like a large donut and uses x-rays and a computer to create an image.
- CT scans can detect small cysts and provide accurate TKV measurements.
- It can expose patients to radiation and contrast dye, which can be harmful to kidneys.¹

Importance Of Imaging Tests¹


Your nephrologist (kidney doctor) works with a radiology team who specializes in medical imaging.




Measurements taken during imaging tests help calculate TKV, allowing your doctor to see how big your kidneys are compared to healthy kidneys.³



Tracking TKV over time can predict the rate that ADPKD is progressing for you.³



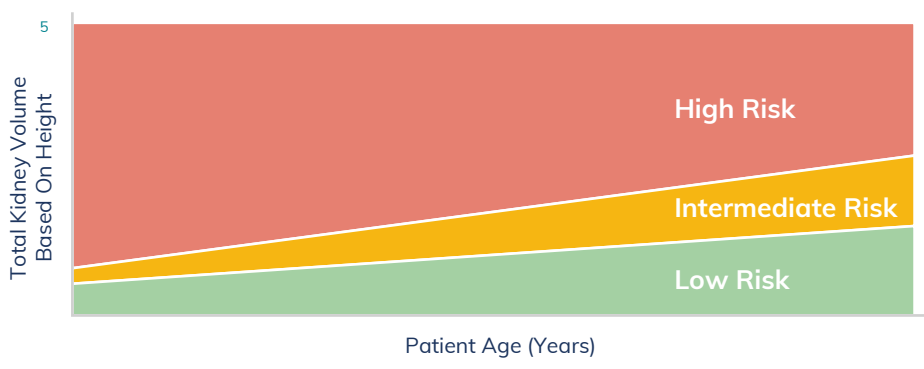
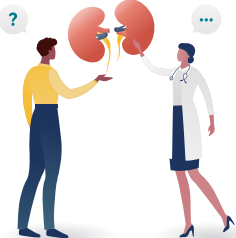
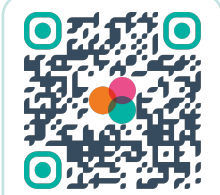
TKV can Tell your doctor more than an eGFR blood test alone.¹



If only your eGFR is measured, your kidneys may appear to be healthy and functioning normally, even while the cysts are growing bigger.¹

Talk to Your Nephrologist Today About TKV

Your nephrologist can use TKV to determine your rate of ADPKD progression on a graph like the one below. With this information, your nephrologist can recommend the best disease management strategy for you.⁴

SCAN TO LEARN MORE

References:
 1. Magistroni R, et al. Am J of Nephrology. 2018;48:67-78.
 2. Grantham JJ et al. Nat Rev Nephrol. 2011;7(10):556-566.
 3. Bhutani et al. Kidney Int. 2015;88(1):146-151.
 4. Gansevoort RT et al. Nephrol Dial Transplant. 2016;31(3):337-348.
 5. "Assessing Kidney Size." ADPKD Questions, Aug. 2022, www.adpkdquestions.com/assessing-kidney-size.

The information provided through NephU is intended for the educational benefit of health care professionals and others who support care for those with kidney disease and other related conditions. It is not intended as, nor is it a substitute for, medical care, advice, or professional diagnosis. Health care professionals should use their independent judgement when reviewing NephU's educational resources. Users seeking medical advice should consult with a health care professional.