

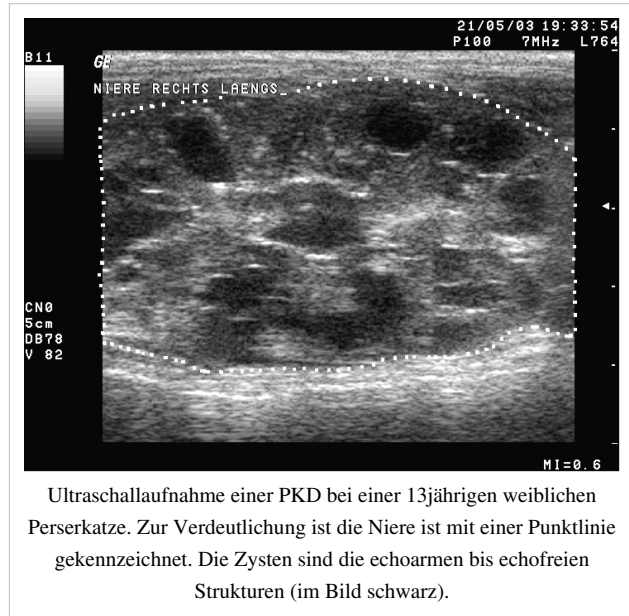
# PKD der Katze

Die **PKD** (von engl. *Polycystic Kidney Disease*, „Polyzystische Nierenerkrankung“) ist eine autosomal-dominant vererbte Erkrankung der Nieren, die vor allem bei Perserkatzen auftritt.

## Pathogenese und Klinisches Bild

Die Erkrankung zeigt sich in mit Urin gefüllten, einen Millimeter bis mehrere Zentimeter großen Bläschen (Zysten), die sowohl von den proximalen als auch distalen Nierentubuli ausgehen können und sowohl in der Nierenrinde als auch im Nierenmark auftreten. Das Endstadium ist, wie bei der PKD des Menschen, eine Zystenniere. Gelegentlich werden auch Zysten in der Leber und in der Bauchspeicheldrüse beobachtet.

Klinische Symptome treten zumeist erst im Spätstadium der Erkrankung auf, wenn große Bereiche des Nierengewebes betroffen sind. Die Vergrößerung der Niere lässt sich dann unter Umständen bereits ertasten und die Tiere entwickeln allmählich Anzeichen eines Nierenversagens mit herabgesetztem Appetit, vermehrtem Durst, vermehrtem Harnabsatz und Gewichtsverlust. Nach nicht abgeschlossenen genetischen Untersuchungen lässt sich vermuten, dass dieses Stadium bei reinerbig betroffenen Tieren wesentlich früher auftritt als bei mischerbigen.



Ultraschallaufnahme einer PKD bei einer 13jährigen weiblichen Perserkatze. Zur Verdeutlichung ist die Niere mit einer Punktlinie gekennzeichnet. Die Zysten sind die echoarmen bis echofreien Strukturen (im Bild schwarz).

## Diagnostik

Die Zysten können oft bereits ab der 6. bis 8. Lebenswoche durch eine Ultraschalluntersuchung nachgewiesen werden. Da sich die Krankheit jedoch allmählich entwickelt, ist ein sicherer Ausschluss erst mit höherem Lebensalter möglich. Im Alter von vier Monaten ist bereits eine 75 prozentige Vorhersagesicherheit möglich, mit acht Monaten liegt diese bei 91 %. Daneben gibt es einen Gentest, mit dessen Hilfe Träger der PKD-Veranlagung vom Typ PKD1 identifiziert werden können. Entwickelt wurde er von Leslie Lyons (University of California, Davis).

## Behandlung und Bekämpfung

Eine Therapie der Erkrankung ist nicht möglich, es kann lediglich eine symptomatische Therapie zur Minderung der Krankheitserscheinungen durchgeführt werden.

Die Bekämpfung richtet sich auf das frühzeitige Erkennen erkrankter Tiere und dem Ausschluss positiver Tiere aus der Zucht. Mit der Anpaarung zwischen einer polyzystisch-heterozygoten Katze mit einer PKD-freien Katze ist es möglich, PKD-freien Nachwuchs zu züchten. Da aus solch einer Verpaarung aber auch Tiere mit PKD fallen können, ist sie nach §11b des deutschen Tierschutzgesetzes nicht erlaubt: Sie wird im Gutachten zum Verbot von Qualzuchtungen unter „Weitere monogen vererbte Einzeldefekte und Erkrankungen“ als „Qualzucht“ eingestuft.

## Literatur

- Biller DS et al.: *Inheritance of Polycystic Kidney Disease in Persian Cats*. Journal of Heredity, 87 (1996), 1- 5.
- Eaton KA et al.: *Autosomal Dominant Polycystic Kidney Disease in Persians and Persian-cross Cats*. Vet Pathology 34 (1997), 117 - 126.
- Ettinger, St.J., E.C. Feldman: *Textbook of Veterinary Internal Medicine*. Vol. 2. Saunders, 5. Aufl., 2000, ISBN 0721672566

## Weblinks

- [felinepkd](http://www.felinepkd.com/) <sup>[1]</sup>
- [Gentest zum Nachweis der polyzystischen Nierenerkrankung](http://www.laboklin.de/de/tiergenetik/erbkrankheit_katze/katze_polyzyst_niere_pkd.htm) <sup>[2]</sup>

## Referenzen

[1] <http://www.felinepkd.com/german.html>

[2] [http://www.laboklin.de/de/tiergenetik/erbkrankheit\\_katze/katze\\_polyzyst\\_niere\\_pkd.htm](http://www.laboklin.de/de/tiergenetik/erbkrankheit_katze/katze_polyzyst_niere_pkd.htm)

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