

Canine Epilepsy:

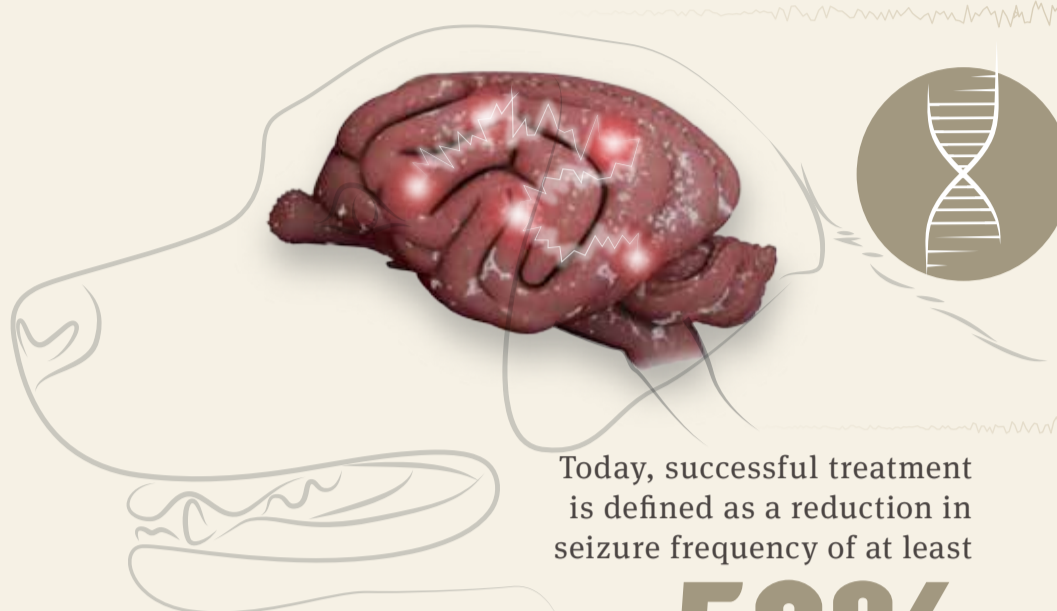
Nutrition as a powerful adjunct therapy

Idiopathic epilepsy is the **#1** chronic neurologic condition diagnosed in dogs.

Epilepsy can affect any dog.



Seizures are electrical storms within the cerebral cortex.



Idiopathic epilepsy appears to be a heritable condition and is more common in males.

Today, successful treatment is defined as a reduction in seizure frequency of at least

50%

...so there is room for improvement.

Most idiopathic seizures commence in dogs between

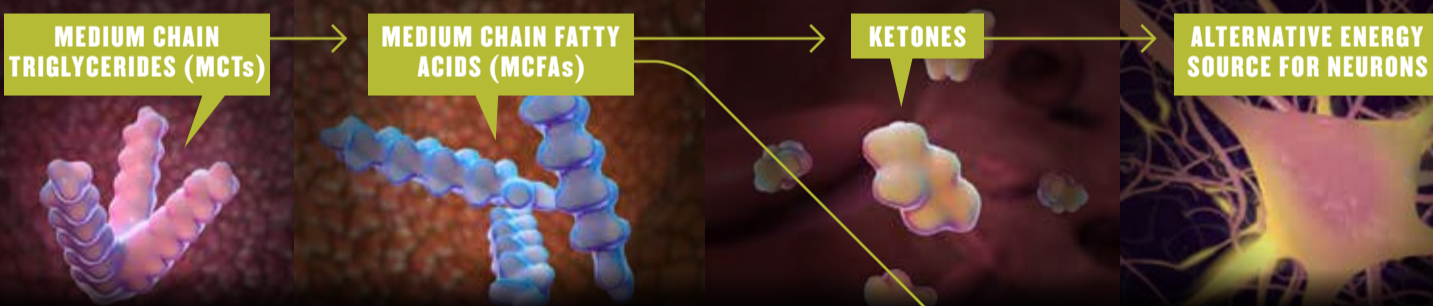
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years of age.

A holistic approach with nutrition at the core offers potential for better results.



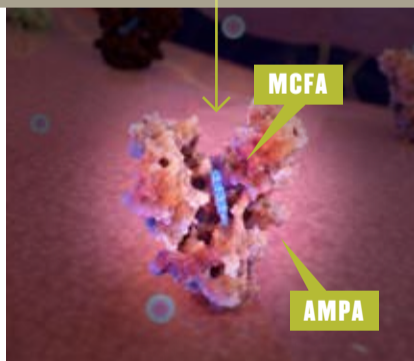
Ketogenic diets may help manage canine epilepsy.



Due to compromised brain glucose metabolism, epileptic neurons need an alternative energy source. Dogs can metabolize Medium Chain Triglycerides (MCTs) into ketones to serve as an alternative energy source for neurons.

Another potential mode of action

Experts believe MCFAs may have direct anti-seizure effects via blockage of α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor (AMPA) receptors inhibiting excitatory neurotransmission, thus enhancing typical anti-epileptic therapy.



Our ground-breaking research proves it.

Purina partnered with the Royal Veterinary College in London to conduct a six-month randomized, placebo-controlled, double-blinded crossover study in dogs with idiopathic epilepsy. They were fed a test diet containing MCTs for three months and then crossed over to a control diet for another three months.

14%
of dogs achieved **complete freedom** from seizures.

71%
of dogs showed a **reduction** in seizure frequency.

The bottom line:

Purina's research shows that in as little as **90 days** most dogs with idiopathic epilepsy experience **a reduction in seizure frequency** when fed a diet with our **proprietary blend** of MCT oil as an adjunct to veterinary therapy.

