

## PREVIEW\_ Dominic D'Agostino - Interview (FL FEB 2017) 3

**Dr. D'Agostino:** About a century ago it was observed that a carbohydrate restricted high-fat diet and moderate protein diet could mimic the metabolic state of fasting. And this diet was termed the ketogenic diet, because there is an elevation of blood and urine metabolites that were ketone bodies.

But anyway these ketone bodies have a broad range of functions on physiological processes and on specific tissues. Now we know that it's not just an energy source but it has anti-inflammatory effects, it has epigenetic effects and these are the things that we're also interested in exploring to help us understand how the ketogenic diet is conferring these therapeutic effects on so many different disorders.