

PREVIEW_ Dr. Angela Poff –

Exploiting Cancer Metabolism with Ketosis (SD 2016) 2

Dr. Poff: I wanted to take you guys through what is cancer. We all know what cancer is generally, but what is it in a biological sense? Because what I'm going to do is systematically show you the features of cancer and the data that has shown that ketosis with a ketogenic diet or possibly exogenous ketones, have been able to target basically all of these aspects of cancer.

So, let's walk through the hallmarks of cancer. And these six hallmarks were first published I think it was in 2000, there was a landmark paper published saying, "These six attributes have to be present for a cell to become cancerous." So, let's walk through them.

The first one is called Sustaining Proliferative Signaling. So, basically all that means is the cells in our body have the capacity to divide. But once we become fully formed adult humans, typically most of the cells in our body are not dividing regularly.

So, cancer cells find a way to turn those programs on, so that they continually receive a signal to divide and make copies of themselves and of course that's how the tumor is going to grow.