

## THE ROOT CAUSE OF CANCER

Dr Otto Heinrich Warburg



**Dr. Otto Heinrich Warburg**  
**1931 Nobel Prize Winner**  
**The Root Cause of Cancer**



Dr. Otto Warburg discovered the root cause of cancer in 1923 and he received the Nobel Prize for doing so in 1931. Dr. Warburg was director of the Kaiser Wilhelm Institute (now Max Planck Institute) for cell physiology at Berlin. He investigated the metabolism of tumors and the respiration of cells, particularly cancer cells. Below are some direct quotes by Dr. Warburg during medical lectures where he was the keynote speaker:

**"Cancerous tissues are acidic, whereas healthy tissues are alkaline. Water splits into H<sup>+</sup> and OH<sup>-</sup> ions, if there is an excess of H<sup>+</sup>, it is acidic; if there is an excess of OH<sup>-</sup> ions, then it is alkaline."**

In his work *The Metabolism of Tumours* he demonstrated that all forms of cancer are characterized by two basic conditions: acidosis and hypoxia (lack of oxygen). Lack of oxygen and acidosis are two sides of the same coin: where you have one, you have the other.