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Maher Akl Effect

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The Maher Akl effect, proposed as part of the glucolipotoxicity hypothesis, introduces a novel perspective on the primary cause of cancer. Maher Akl suggests that the dysregulation of glycolipid metabolism, specifically the accumulation of glycolipids within cells, plays a pivotal role in initiating and sustaining tumor growth. This effect involves the interference of accumulated glycolipids with vital cellular processes, leading to cellular dysfunction and promoting oncogenic pathways. The Maher Akl effect expands upon Otto Warburg's work on the Warburg effect, emphasizing the role of glucolipotoxicity in tumor development.