Low Dose Naltrexone (LDN) 4.5 mg

- **Naltrexone is used in emergency medicine to revive potential opioid overdoses but in much larger doses.**

- **Low dose Naltrexone is used to modulate the immune system by upregulating Th1 over the inflammatory Th2. This produces the NK cells that are cytotoxic against cancer cells. This is extremely important to a cancer protocol.**

LDN may have affect on tumor cells by the following three mechanisms:

- **By inducing increases of metenkephalin (an endorphin produced in large amounts in the adrenal medulla) and beta endorphin in the blood stream.**

- **By inducing an increase in the number and density of opiate receptors on the tumor cell membranes, thereby making them more responsive to the growth-inhibiting effects of the already-present levels of endorphins, which induce apoptosis (cell death) in the cancer cells.**

- **By increasing the natural killer (NK) cell numbers and NK cell activity and lymphocyte activated CD8 numbers, which are quite responsive to increased levels of endorphins.**

www.lowdosenaltrexone.org