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**How cancers and other disease venues can be prevented within brain interstitial spaces****Robert L Buckingham**

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**It is postulated that medicinal and antioxidant anti-inflammatory mechanics facilitate the following:**

By reducing inflammatory free-radical burden within interstitial spaces, they facilitate capillary cell outer membranes biases towards reduced permeability to trafficked immune arsenal entering the interstitial space. As interstitial space free radicals decrease and capillary cell outer membrane permeability fluxes downward to limit immune arsenal influxes into the interstitial space, their mitochondria are no longer required to support energy driven active transport across outer membrane surfaces. This enables a pendulum swing of combustion to nitric oxide. This springboards intracellular rejuvenation by stimulating protein synthesis for repair and replacement or worn out parts. It also increases blood flow to the capillary bed to push increases in end organ function. Pro clotting (thrombosis) mechanics within interstitial spaces simultaneously decrease as clotting factors and platelets are inactivated and recede back to blood plasma. Through feedback loop signals generated from the capillary cell dance, they stem and pace similar infrastructure rejuvenation to their mesenchymal cell brethren within the interstitial space while reciprocating rejuvenation to end organ cells as well. The mechanics of rejuvenation involve many cascading feedback loops and sub loops, but are created by the induction of capillary-cell peroxisome proliferator receptor gamma co-activator (PGC-1-alpha) and activation of mitochondrial nitric oxide synthase. Rejuvenation induces among other things replication and replacement of capillary cell outer membrane receptors, mitochondrial volumes and lengthening of nuclear telomeres. Antioxidant levels increase, through combinations of increased production and decreased utilization caused by diversifying mitochondrial combustion back and forth from energy to nitric oxide thereby diversifying free radical exhaust. Antioxidants can also increase through ingestion from targeted supplements and eating a plant based diet. Have you ever wondered how cancer is enabled? Trafficking, the third book in a trilogy that includes Hazing Aging and Rejuvenation!, exposes the chronic inflammatory underworld and how it does its dirty business to transform end organ interstitial spaces into a sea of diseases. The book clarifies how this transition is evoked, how it disables the signaling apparatus of the protective capillary cells, and then proceeds to dismantle all of the cells within the interstitial space that capillaries are friendly to. In the end, after mission accomplished, the interstitial space footprint now belongs to chronic inflammation and the anti-organ. In this final apocalypse, capillary cells have long since stopped dancing and their feedback loop signals to the allied partners have been replaced by rogue influences. White blood cells, cytokines, platelets, and immune-globulins within the darkened corners of end organ interstitial spaces now belong to chronic inflammation. The interstitial spaces become barren and lifeless as we know it. A perfect backdrop for cancer, pain, fatigue and aging. It is not too long afterword that brain function gets a throat slit.

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