Case Study: The Treatment of Advanced Squamous Cell Carcinoma with Concentrated Cannabis Extracts Robert Melamede, Ph.D.

Biology Dept. UCCS, Cannabis Science Inc,

ABSTRACT

Poster title: Case Studies: Concentrated Cannabis Extracts Appear to Cure Squamous Cell Carcinoma

The value and safety of medical marijuana is increasingly realized by people around the world as knowledge of the endocannabinoid system spreads and as word spreads of the impact cannabis based treatments are having on numerous illnesses and conditions. The endocannabinoid system homeostatically regulates all body systems. Through these numerous regulatory activities, the cannabinoid system also regulates appetite, pain, body temperature, mood and consciousness.

Living systems are four dimensional dynamic structures in which all the components interact to create a whole it is greater than the sum of its parts. As such, the dynamical system both buffers and adapts to change (homeostasis). Therefore, to implement directed systemic change, for example creating a body that rejects its cancer, is unlikely to occur from a single magic bullet approach.

In contrast to conventional pharmaceuticals, the Cannabis sativa plant produces well over a hundred biologically active cannabinoids, terpenes, and terpenoid compounds. Thus the plant impacts on the body in a holistic manner while targeting a central regulator of homeostasis, the endocannabinoid system.

Dramatic sequential photographic documentation of a squamous cell cancerous tumor apparently being cured by the topical application of cannabis extracts is presented.

PROCEDURE AND RESULTS

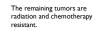
The series of photos below documents the disappearance of a biopsied squamous cell tumor after self-administration of topical cannabis extracts over a 3 month. After treatment with cannabis extract, the tumor was expelled from below the surface, killed, and healed











Last week, the patients oncologist said the results are "amazing." Instead of surgery this month come back in June.



Last week, this patient received a clean biopsy.









Treatment Time

REFERENCES

Toth, B. I. et al. Endocannabinoids Modulate Human Epidermal Keratinocyte Proliferation and Survival via the Sequential Engagement of Cannabinoid Receptor-1 and Transient Receptor Potential Vanilloid-1. J Invest Dermatol (2011).

Bilkei-Gorzo, A. et al. Early onset of aging-like changes is restricted to cognitive abilities and skin structure in Cnr1(-/-) mice. Neurobiol Aging (2010).

Van Dross, R. T. Metabolism of anandamide by COX-2 is necessary for endocannabinoid-induced cell death in tumorigenic keratinocytes. Mol Carcinog (2009), Biro, T.,

Toth, B. I., Hasko, G., Paus, R. & Pacher, P. The endocannabinoid system of the skin in health and disease: novel perspectives and therapeutic opportunities. Trends Pharmacol Sci (2009).