

## **Topical Description(s):**

### **Cardiac Hormones for the Treatment of Cancer**

The heart makes hormones which help control one's blood pressure and blood volume. Utilizing higher concentrations than the body can make eliminates up to 80% of human pancreatic cancers, 2/3rds of human breast cancers and up to 86% of human small-cell lung cancers growing in mice. Once these cancers are eliminated they never return in the lifespan of the mice.

## **Speaker's Photo:**



## **Contact Information:**

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## **Biographical Information:**

David L. Vesely, M.D., Ph.D., discovered three cardiovascular hormones, i.e. vessel dilator, long-acting natriuretic peptide, and kaliuretic peptide, which constitute 97% of the circulating cardiac hormones in humans. He demonstrated their biologic effects, mechanism(s) of action, and that these peptide hormones have beneficial hemodynamic, natriuretic and diuretic effects in humans with congestive heart failure (CHF). Vessel dilator, for example, enhances sodium excretion and water flow 5-fold in persons with CHF. Vessel dilator also ameliorates acute renal failure even when present for 2 days and regenerates the nuclei within the tubules within 6 days while normalizing serum creatinine levels.

Dr. Vesely has demonstrated that these cardiac hormones can eliminate up to 97% of human cancer cells (breast, pancreatic, ovarian, colon, prostate, glioblastomas of brain, small-cell and squamous cell lung cancers) in culture within 24 hours and when infused subcutaneously for 28 days eliminate up to 80% of human pancreatic cancers, two-thirds of human breast cancers growing in mice and up to 86% of human small-cell lung cancers in mice.

Dr. Vesely is Professor of Medicine, Molecular Pharmacology and Physiology and Director of the University of South Florida Cardiac Hormone Center. He is also the Chief of Endocrinology, Diabetes and Metabolism at the VA Hospital. He is the author of over 300 peer reviewed publications and the 2007 recipient of the Service to America Career Achievement Medal.