

Annual Summit on

CELL SIGNALING, CELL THERAPY AND CANCER THERAPEUTICS

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Vitamin C and cell signaling in cancer

Research has shown that cytokines such as interferon and interleukin, secreted by the immune system, have an inflammatory effect and play an important role in tumor angiogenesis. High dose intravenous Vitamin C (HDIVC) counteracts this. Vitamin C taken orally cannot attain sufficiently high concentrations in the bloodstream to kill cancer cells. However, intravenous use of ascorbic acid has been shown to rise to concentrations that have killed cancer cells *in vivo* and *in vitro*. Vitamin C has been shown to form collagen and to inhibit hyaluronidase leading to stronger membrane integrity and tensile strength of normal tissue, which inhibits invasion and thus metastases. Cancer patients were given HDIVC as part of a naturopathic treatment protocol in an out-patient clinical setting. Data are reported for all patients. Many patients voluntarily left our practice, against our advice, primarily for financial reasons, while still having cancer. Of the remaining patients, 175 either went into remission confirmed by imaging, 44 died while still our patients. Of the 175 who went into remission, 12 had chosen chemotherapy also while having our treatments. Stages 1, 2, 3 and early stage 4 patients at start of treatment had much better outcomes than late stage 4 patients in general. The 32 patients who complied with our dietary and treatment protocol, and still did not survive their cancers must be seen as an 8% failure rate if considered of all 379 patients, or a 15% failure rate if taken of the 210 patients who stayed to complete our treatments.

Biography

Colleen Huber is a Naturopathic Medical Doctor in Tempe, Arizona. She was the Keynote Speaker at the 2015 Euro Cancer Summit, the 2016 World Congress on Cancer Therapy, and a Keynote Speaker at the 2016 World Congress on Breast Cancer. She is President of the Naturopathic Cancer Society. She is a Naturopathic Oncologist and Fellow of the Naturopathic Oncology Research Institute. She authored the largest and longest study in medical history on sugar intake in cancer patients, which was reported in media around the world in 2014.

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