



Providence Pacific Hospital S.C.

Where Traditional and Alternative Approaches Work Together

CESIUM

An Organic, Natural, Alternative Treatment for Cancer

CERTAIN foods contain biologically active compounds and-or ingredients, i.e., vitamins, inorganic salts, organic compounds, essential fatty acids, minerals, and chelating agents which may either precipitate or prevent cancer development. The relationship between dietary consumption and cancer development is not clear and further investigation continues. Noteworthy is the report on the presence of high levels of Cesium (Cs) and rubidium (Rb) in food along with availability of various supportive compounds as vitamins A and C, along with zinc and selenium in diets of populations residing in areas with low incidence of cancer, e.g., the Hopi Indian territory in Arizona, the Hunza area in North Pakistan, and the volcanic regions of Brazil. The diet of these populations is similar to the nutritive requirements for the high pH cancer therapy developed by Brewer subsequent series of physical experiments with cancer cells. In these tests the presence of Cs⁺ or Rb⁺ in the adjacent fluids of the tumour cell is believed to raise the pH of the cancer cell where cell mitosis will cease resulting in reduction of life span of the cancer cell. The introduction of such alkaline pH by these alkali salts may also neutralize the acidic and toxic material within the cancer cell. This report combines the use of CsCl with various supportive agents, which have been hypothesized both to enhance the entry of Cs⁺ into the cancer cell and to stimulate the immune response, in the treatment of various cancers.

METHOD

Treatment was performed on 50 patients during the last three years at Life Science Universal Medical Center Clinics in Rockville, MD and in Washington, DC. All patients were terminal subjects with generalized metastatic disease. Forty-seven of the fifty patients studied had received maximal modalities of treatment, i.e., surgery, radiation and various chemotherapy, before the metabolic Cs-treatment was initiated. Three patients were comatose and 14 of the patients were considered terminal due to previous treatments outcome and cancer complications. The type of cancer of the patients studied and their number is detailed in Table 1.

The Cs-treatment was given in conjunction of other supportive compounds and under diet control in addition to utilization of specific compounds to produce adequate circulation and oxygenation. According to individual cases CsCl was given at daily dosages of 6 to 9 g. in three equally divided doses with vitamin A-emulsion (100,000 to 300,000 U), vitamin C (4 to 30g), zinc (80 to 100 mg), selenium (600 to 1,200 mcg) and amygdalin (1500 mg) in addition to other supplementations according to the specific needs of the patient. The diet consisted mainly of whole grains, vegetables, linolenic acid rich oils (linseed, walnut, soy, wheat germ) and other supplemental food. To increase efficiency of the treatment and improve the circulation and oxygenation, the patients received the chelating agent EDTA,

dimethylsulfoxide (DMSO) and also a combination of vitamins, K and Mg salts.

RESULTS

Table 1 summarizes the results of the Cs-treatment of fifty cancer patients studied over three years. They had generalized metastatic disease, except for three patients. Initial death occurrences for the initial two-week treatment was in the same order and magnitude of these recorded for the twelve-month period. The percent of survival of breast, colon, prostate, pancreas and lung cancer accounted to approximately 50% which was higher than noted for liver cancer and the lymphoma patients treated. An overall 50% recovery from cancer by the Cs. therapy was determined in the fifty patients treated. Data from the autopsy made indicated the absence of tumors in patients dying within fourteen days of the Cs-treatment. One of the most striking effects of the treatment was the disappearance of pain in all patients within one to three days after initiation of the Cs-therapy.

These studies were performed under my direction, initiated in April, 1981. Twenty-eight patients were initially treated with CsCl between April, 1981 to October, 1982. They were subjected to various cancer therapies, e.g., surgery, radiation and chemotherapy, and were considered terminal cases with general metastatic disease except for three patients who were not previously treated. Three patients were comatose at the time of the Cs treatment. Thirteen patients died within less than two weeks of treatment. Each patient showed a reduction in tumor mass by the Cs treatment. Of the breast cancer patients, the most impressive effect was seen in a female patient who was comatose at the beginning of the Cs-treatment and was considered a terminal case. The Cs-therapy, with other ingredients used, was immediately instituted by the nasogastric route because there was no cooperation from the patient. The daily CsCl dose given amounted to 30 g, 10 g given three times daily. The patient was able to leave after five days of treatment. However, the patient's fall on the floor resulted in complications, i.e., fracture of the neck, and death. The autopsy revealed that the cancer metastasis had essentially eaten away her hipbone causing this tragic accident. The autopsy performed also showed the presence of very little cancer tissue.

The next most frequent cancer treated was of unknown primary. Treatment of eight cases showed a death rate of two within fourteen days of treatment and additional two deaths within twelve months while four of the patients are still living. In one case, an autopsy was made in a patient after one week of Cs-treatment and showed a complete disappearance of the cancer. There were seven cases of colon cancer patients who were treated with CsCl. Two these patients died within fourteen days, one of these patients had previous massive chemotherapy, and little time was available to restore her metabolic condition. The previously existing infiltration of the abdominal wall disappeared. However, no consent was given for an autopsy.

In one lymphoma case, the patient displayed an unusual large abdomen, which was hard, and he weighed approximately 250 pounds. This massively enlarged abdomen began to decline in volume, i.e., a loss of approximately 120 pounds of body weight was noted after three months of Cs-therapy. The spleen, which was originally maximally enlarged and reaching into the pelvis, was reduced to almost normal size. The liver position was down to about the level of the umbilicus and was also reduced to normal size in three months. The patient is still living after three years after his discharge. Unfortunately, there is no follow-up on this patient and he is being maintained on chemotherapy.

DISCUSSION

The results presented demonstrate the rate of efficacy of CsCl in cancer therapy. The total fifty cancer cases studied show an impressive 50% survival rate. This confirms the work of Messiha reported in these proceedings showing that the high the dose is, the more effective it seems to be. The autopsy obtained from the patient whose death was attributed

to traumatic fracture of the neck, indicated that cancer has been initially further advanced resulting in bone destruction. However, the absence of cancer after the massive Cs-therapy. It appears that dosage, i.e., as much as 30 g/day, and route of drug administration, i.e., nasogastric pathway, might have contributed to the patient's rapid recovery. It should be noted, however, that CsCl dose regimens should not exceed 20 to 40 g due to side effects, mainly nausea, and diarrhea. The author's personal experience with CsCl after an acute dose of 40 g CsCl indicates that extensive nausea and paresthesia around the mouth are the major side effects. This is probably due to K depletion. The usual dose used in the clinic ranges from two to three grams given by mouth three times daily. At a latter time, at which time there is no indication of cancer presence, the CsCl dosage will be reduced to a preventative dose between 0.5 to 1 g a day.

The lymphoma case presented shows that CsCl efficiently reduced massive enlargements of spleen and liver as well as maximal ascites, causing an abdominal configuration of a tight, hard hemisphere, to almost normalize after three months of therapy. This period of time was required to eliminate such a massive volume resulting in the reduction of the body weight noted.

The clinical efficacy of CsCl high pH metabolic therapy is best demonstrated by a recent case of primary liver cancer (not included in the 50 cases reported in this study). The patient was a 39-year-old female teacher who was terminal. She was brought on a stretcher on April 25, 1984 with a large liver tumor extending approximately 3 cm below the umbilical level. The treatment was then immediately instituted. This consisted of administration of CsCl, β -carotin, vitamin C, Zn, Se, Mn, Cr and K salts by the oral route in addition to a concomitant massive IV doses of ascorbate, K, Mg, Zn, Mn, Cr salts, B-complex vitamins, folic acid, DMSO and heparin. After five consecutive treatment regimens EDTA was introduced to the therapy and the minerals present in the IV solution were discontinued. On May 10, 1984, the patient was discharged, returned home walking without assistance and displaying a pleasant smile on her face. The liver tumor had shrunk to five cm above the umbilicus. The determination of alpha-fetoprotein (AFP), a specific marker for liver cancer, rare embryonal cancer and teratomas, decreased from unusual high value of 39,000 units, compared to normal levels of 13 units, measured before initiation of Cs-therapy, to 5,000 units obtained on last day of treatment.

The mechanism of action of Cs in cancer has been little studied. Both Cs⁺ and Rb⁺ can specifically enter the cancer cells and embryonic cells, but not normal adult cells as have been demonstrated by Brewer. The cancer cells contain high amounts of hydrogen ions rendering them acidic and they also contain high Na⁺ levels than found in normal cells. If Cs⁺ or Rb⁺ can enter the cancer cells then the pH increases from as low as 5.5 to over pH 7.0. At a pH of 7.6, the cancer cell division will stop at a pH of 8.0 to 8.5 the life span of it is considerably shortened (only hours). In one case, the author has observed the shrinkage of metastases of breast cancer one hour after Cs-treatment. Two days later, wrinkles of the skin appeared where the tumor was present. In another case of a colon cancer with massive metastasis, of massive infiltration of the abdominal wall, liver and other tissues, seemed to have been reduced within 24 hr and continuing rapidly until the demise of the patient on the fourteenth day of the Cs-treatment.

The uric acid levels measured at the onset of treatment was approximately 3.5 units which was increased to over twenty units suggesting massive breakdowns of DNA, which produces the uric acid output. Therefore, destruction of nuclear acids, as reflected by a significant rise in the uric acid, may be used as a predictive measurement for treatment outcome. The failure of uric acid elevation may be indicative of lack of destruction of cancer cells. This has proven to be a very consistent finding in our clinic.

There are certain factors, which may enhance the Cs-therapy. The Cs-penetration into the cancer cell can be increased by the following three methods: The first approach resides in

broadening the electron donor capacity of the cancer cell membrane by the application of cyanide, an electron donor radical as found in nitriles (amygdalin, Laetrile, mandelonitrile, prunasin, ficin, cassivin), by selenium oxide, an electron donor radical, or by the use of DMSO. The second approach enhances the potential gradient across the cancer cell membrane by the utilization of weak acids like ascorbic acid (Vitamin C) and retinoic acid (Vitamin A). The third method attempts to improve the circulation to the tumor and facilitate the destruction of cross-linkages in the mucoid and birinous substances around the cancer cell. This can be achieved by chelation therapy, i.e., the use of EDTAs has been shown by Blumer, who reported on the reduction of cancer incidence by 90% by chelating patients (an average of 15 chelations in eight years). This approach also reduced cardiovascular disease by 50%. Other chelating agents can be also used. Moreover, the use of β -carotene will lead to decomposition of blocking mucoid proteins mediated by electrical charges; also, heparin, which acts through electrical charges, will inactivate the immune repelling and immune binding capacities of the blocking mucoid proteins. These approaches will hinder cancer growth and they are virtually atoxic.