

A case where immunomodulatory food and antioxidant therapy was effective in a case of advanced prostate cancer.

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Summary

A patient of 63 years with advanced adenocarcinoma of the prostate, diagnosed on the 1/03/2001 - Gleason 8 : 4+4, PSA 18,7 accompanied by distant metastases to spine, omoplates, illium etc... came to our Institute on 1/04/2002 in a poor health condition. (Karnofsky performance - score 60).



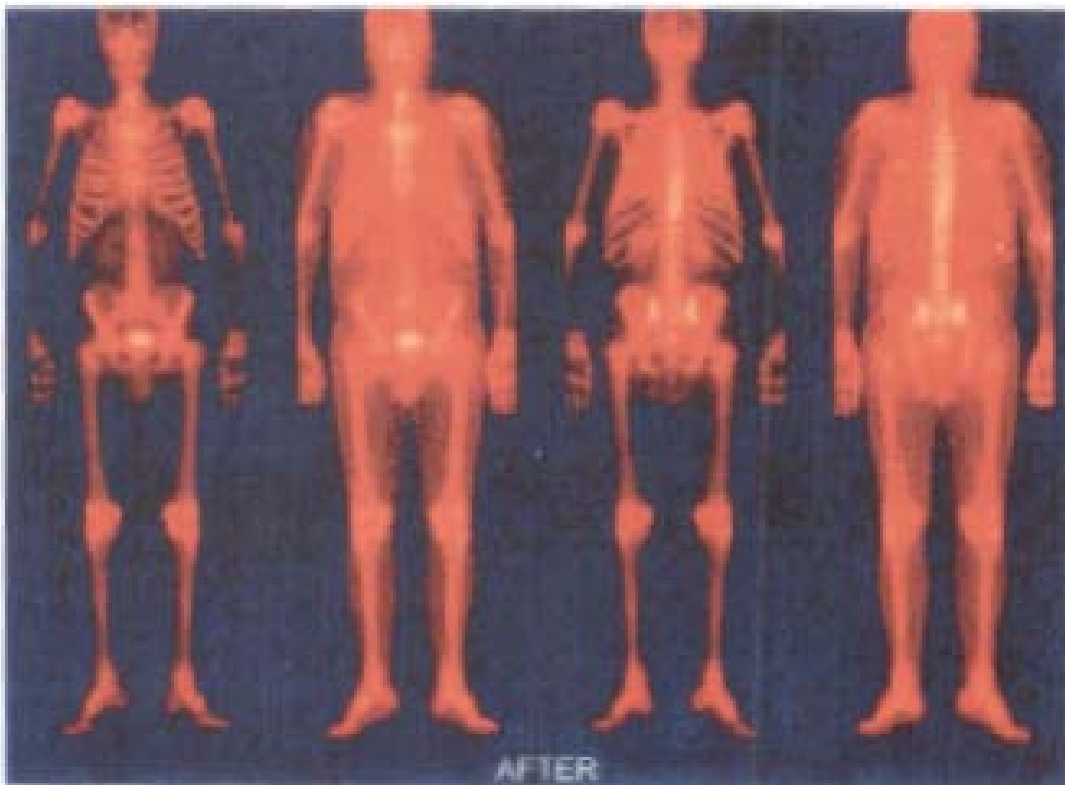
Been unable to walk by himself from much pains he is under analgesics. Two months before he went to hospital for surgery but surprisely they told his wife that in advanced stage surgery cannot resolve, either

chemo/radiation Therefore the patient was send at home with no treatments and medical doctors told his wife he can live about 6-12 months.

In prostate cancer the mutation of P53 gene has been reported to range from 33% - 79% (1).

COX2 is overexpressed in 83% - 93% (2).

Increased micro vessels (angiogenesis) is associated with increased stage gleason grade (3)



Introduction

The author has a great deal of experience to treat advanced cancer stage using alternative complementary medicine using a combination therapy to correct some cancer cluster such angiogenesis, reduce oxidative stress and inhibit COX2, stimulate the immune system and specially NK cells activity. For instance solid tumor respond very well to angiogenic therapy by Car-T-cells which is a liquid extract of cartilage to chock off tumor growth from making new blood vessels and to shrink the tumor.

Liquid cartilage extract inhibit the matrix Metalloproteinase enzyme (MMP's) that tumor need to build up new blood vessels as well as vascular endothelial growth factor (VEGF).

Biobran is one strong immunomodulator from rice bran araboxylan derivated obtained by hydrolyzing hemicellulose of rice bran with Shitake enzyme mushroom (4). One of the main interest is that Biobran has a low enough molecular weight (30,000 to 50,000 units) to pass undigested the wall of the small intestine and enter directly to blood and quickly activate immune cells. Biobran increases the activity of N.K. cell to over 300%.

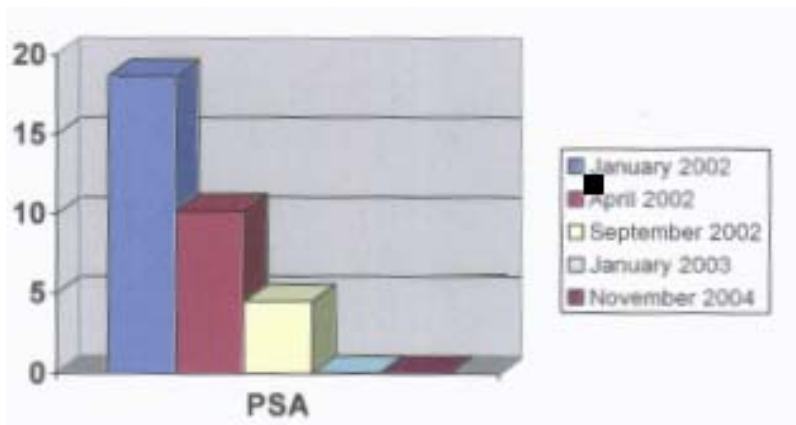
In prostate cancer Biobarn is particularly efficient increasing NK cells from 174 to 385% (5).

Anoxe is a new low weight molecular antioxidant developed from modified plants and seeds that contain large quantity of antioxidant compound (6) acting with SOD like activity with strong effects against an excess of ROS activity and with strong oxidative character and redox potential (7).

Anoxe possess a strong inhibitory property on COX2 overexpressed in prostate cancer to induce proangiogenic factor and to inhibit P53 apoptosis pathway.

Finally other test conducted demonstrate the strong oxidative character of Anoxe that suggest that it may induce apoptosis.

DECREASING PSA



The Combination Therapy

- Car-T-cell (frozen vial) - 2 vials of 7ml per day
- Biobran MGn3 - 39 per day
- Anoxe - available in sachet of 39 - 249 per day
- NADH - additionally we use NADH to boost the ATP production - 10mg per day.

The patient followed this therapy during nine months.

Car-T-cell was reduced to one vial of 7ml per day after 2 months.

Anoxe 24g per day during one month and reduce to 18g during six other months and after 9g per day.

NADH at 10mg per 10mg per day during two months, then reduce to 5mg per day during two more months until the patient feel stronger.

Slowly the patient started to improve, to feel better, less nervous, with less pains and after few months has no need for analgesics. He improves the karnosky score from 60 to 80 and to 100 by 2003. We have to remember that initially the patient could not walk by himself and when doing CAT Scanner in hospital two nurses were necessary to help him. Therefore he really improve his life quality, while graphic show a significative decrease of PSA.

Discussion

Patients with prostate cancer tend to increase in number in Portugal and other industrial countries. Prognostic in case of advanced cancer is poor and the efficacy of chemotherapy using a variety of cytotoxic agents including adriamycin, cisplatin, 5-fluorouracil, vinblastine etc. . has limited duration and no significant advantage in survival has been found for patients receiving these therapies (Theyer and Hamilton, 1994 - Yogada and Petrylab 1993)

The author believes, however that this particular combination therapy has a synergic effect on prostate tumor. The patient has done no chemoradiation on the contrary of most patients that produce severe adverse effects and affect the patient's nutritional state in case of terminal cancer. Second this case demonstrates that CAM when carefully combined and based on scientific evidence can, without chemoradiation conduct to a remission and eliminate a metastatic condition.

In 2003 PSA decreased to 0.05 and a new CAT Scanner and Bone Gamography showed complete remission of the tumor and no trace of the multiple metastases.

In October 2004 the patient came for a routine consultation and PSA value decreased to normal 0.00. Until June 2005 the patient remains in the same

condition meaning 4 years without recurrence and a very good health condition.

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L.C.E. (brand name Comitris)

Atrium Biotechnologies - Quebec - Quebec - Canada

Biobran

Lab Daiwa - Japan

Anoxe

Natiris, SA - Portugal

(Anoxe is a new antioxidant compound developed by Serge Jurasunas group jointly with Japanese researches and available exclusively from the Natiris company, Portugal - www.natiris.com)