Can a Macrobiotic Diet Cure Cancer?

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Myth: The macrobiotic diet, a common dietary alternative, can cure cancer.

Answer: The various cultures present in the United States are filled with contradictions when it comes to nutrition. Americans are bombarded with fast food franchises and restaurants serving larger and larger portions of mass produced food. However, at the same time, media outlets and infomercials report on the obesity crisis in America and countless diet plans, pre-cooked health food programs, or dietary supplements are offered from a variety of sources. More nutrition information has become available to the average consumer through product labeling and the internet and, as these factors continue to interplay with one another, interest in the connection between nutrition and disease increases.

Macrobiotic Diet

A macrobiotic diet (or macrobiotics) is a dietary approach that involves eating grains as a staple food supplemented with other foodstuffs such as vegetables and beans and avoiding the use of processed or refined foods (see Figure 1). The macrobiotic diet was first introduced in the 18th century by German physician Christoph Hufeland and the belief that a macrobiotic diet could cure cancer was popularized in the mid-1960s by George Ohsawa, a Japanese prophet, philosopher, and lecturer, and established in the United States by Michio Kushi, a student of Ohsawa's diet regimen and several books containing first-hand accounts of how the diet cured people's cancer (Kushi et al., 2001).

The macrobiotic diet once more entered American dietary patterns. Kushi's lesser austere diet has evolved into a diet consisting of the daily food consumption of 40%-60% whole grains (organically grown and home cooked) 20%-30% vegetables (including a small volume of pickle varieties), and 5%-10% beans, bean products, and sea vegetables. Small amounts of fish, seeds or nuts, and locally grown seasonal fruit are permitted weekly. Rare portions of red meat, eggs, poultry, and dairy products are permitted monthly. Refined sugars, artificial sweeteners, vitamin and mineral supplementation, and other chemical additives are avoided (Cunningham, 2001; Kushi et al.).

Limited Research

Research on the connection between a macrobiotic diet and cancer treatment has been limited despite the surge of interest in complementary and alternative medicine (CAM) options by patients and healthcare professionals. In two surveys conducted by the National Cancer Institute (NIH), 2004a, 2004b Office of Cancer Complementary and Alternative Medicine, 75.5% of researchers and 72.4% of practitioners surveyed indicated an interest in collaborative research in nutritional therapeutics. Of the practitioners surveyed, 84% had included some type of nutritional therapy in their treatment plan. The macrobiotic diet was one of 14 nutritional therapies listed in survey examples.

In a study conducted by Risberg, Lund, Wist, Kaasa, and Wilsaard (1998), 45% of patients with cancer involved in the study used some type of CAM therapy (Granai, 1999, Risberg et al.). The National Center for Health Statistics completed a comprehensive survey of Americans' use of CAM in 2004 (N = 31,041), and found that the use of CAM crossed all age groups, races, economic backgrounds, education levels, health factors, and genders (National Institutes of Health [NIH], 2004). Of the respondents, 1,087 (3.5%) reported using diet as a form of CAM in the past 12 months, making it the 10th most common therapy (NIH).

Findings from the limited research that has studied macrobiotic diet and public opinion are mixed. Some found that the macrobiotic diet was nutritionally inappropriate, ineffective as a treatment, and potentially harmful to patients with cancer (ACS, 1993, 2003; August, 2003; Cassileth.