**Keep Moving: Patients With Myeloma**

**Talk About Exercise and Fatigue**

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**Purpose/Objectives:** To learn about the feelings, beliefs, and experiences of patients with multiple myeloma implementing an exercise program in the context of an aggressive tandem peripheral stem cell transplant protocol.

**Research Approach:** Qualitative naturalistic (constructionist).

**Setting:** International referral center for the treatment of multiple myeloma.

**Participants:** Purposive nonprobability sample of 12 men and 9 women with multiple myeloma aged 38–70 enrolled in the exercise arm of a randomized trial of epoetin alfa with or without exercise as an intervention to decrease cancer-related fatigue.

**Methodologic Approach:** Verbatim transcripts of tape-recorded, in-depth interviews analyzed for thematic content using content analysis and constant comparison.

**Findings:** Themes included (a) belief systems, which encompassed participants’ beliefs about exercise and epoetin alfa, philosophy, and self-concept, (b) social context, which included life before cancer, social environment, and social system congruence, and (c) intersection between belief systems and social context, which were participants’ experience appraisals. All participants believed that exercise could be helpful and would recommend exercise to other patients with cancer in a similar situation. Most believed that lack of activity contributed to decreased energy.

**Main Research Variable:** Patients’ experience of implementing exercise in the context of treatment for multiple myeloma.

**Conclusions:** Complex interactions between participants’ beliefs and social context and experience appraisal influenced their ability to adhere to an exercise program during aggressive treatment for multiple myeloma.

**Interpretation:** Through careful assessment, clinicians can capitalize on belief systems that support adherence to exercise as an intervention to ameliorate fatigue for patients with cancer who are undergoing prolonged aggressive treatment.

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**Key Points . . .**

- Patients with multiple myeloma can safely carry out a home-based exercise program aimed at reducing cancer-related fatigue.
- Commitment to keeping their promise to exercise helped participants to continue their exercise program during times when they were not feeling well.
- Encouragement from family and healthcare professionals facilitates adherence to an exercise program.
- Many participants avoided taking time off from exercise because they had experienced dramatic declines in their strength and stamina after interruptions to their exercise program. However, most patients needed to reduce the exercise intensity or take time off from exercise immediately following chemotherapy.

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**Cancer-Related Fatigue**

Fatigue is widely regarded as one of the most pervasive and distressing consequences of cancer and cancer treatment. CRF can affect virtually all aspects of patients’ lives (Curt, 2000). For patients undergoing bone marrow or stem cell transplants for hematologic malignancies, studies suggest that the outlook for a disease that until recently was considered incurable. However, the aggressive phase of the treatment lasts nearly a year, and maintenance therapy, which includes interferon α, continues for another year. All patients undergoing such an aggressive treatment protocol can expect to experience cancer-related fatigue (CRF); therefore, early intervention and management are important in maintaining patients’ functional status and quality of life.

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