

عنوان مقاله:

Association of Physical Activity and Daily Calcium Intake with Body Mass Index and Bone Density in Menopause Females Referred to Bone Density Center of Rasht City

محل انتشار:

مجله علمی پژوهشی دانشگاه علوم پزشکی زنجان, دوره 22, شماره 95 (سال: 1393)

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خلاصه مقاله:

Background and Objective: This study was carried out to investigate the relationship between the amount of physical activity and daily calcium intake with body mass index and the amount of bone density in post-menopausal female patients. Materials and Methods: This descriptive-cross sectional study was performed on Ao post-menopausal women with mean age of Δλ.\٣±٧.Δ٩ years and BMI mean of Υ۶.۶٩±٣.۶۶. Participantschr('٣٩') physical activity level was measured using Beck Physical Activity Questionnaire and daily calcium intake was measured using Food Frequency Questionnaire (FFQ) and three-day dietary recall. Bone densitometry method was used for determining bone density in the spinal and femur bone regions .To analyze the data, SPSS software was used. Results: Physical activity in ΔΨ.λ% of the participants was in low level and calcium intake of ۶Υ.Δ% of them was lower than daily recommended level. Frequency distribution of bone density in spine region was ٣٧.۵% osteopenia and ٢۶.٢% osteoporosis while in femur bone it was ۴λ.λ% osteopenia and 1). Υ% osteoporosis (Po.oa). Women with a lower physical activity had Δ). Υ% osteopenia and FF. &% osteoporosis in spine region along with F9. A% osteopenia and Fo. 9% osteoporosis in the femur bone region. Women whose daily calcium intake was lower than the recommended amount suffered from ٣٨% osteoporosis and 45% osteoporosis in the femur region and 16% osteoporosis in the femur region. Conclusion: In our study, most menopause women had osteopenia in both spinal and femur bone regions. Due to the significant effect of physical activity and daily calcium intake on bone density, an increase in daily calcium intake and encouragement of women to take part in physical activities are recommended. 1- Wickham CA, Walsh K, Cooper C, Barker DJ, Margetts BM, Morris J, et al. Dietary calcium, physical activity, and risk of hip fracture: a prospective study. BMJ (Clinical research ed). 19A9 Y99(FYoF): AA9-9Y. Y- Sandler RB, Cauley JA, Hom DL, Sashin D, Kriska AM. The effects of walking on the cross-sectional dimensions of the radius in postmenopausal women. Calcif Tissue Int. 19AY ۴۱(۲): ۶۵-۹. ۳- Heaney RP. Calcium, dairy products and osteoporosis. J Am Coll Nutr. ۲۰۰۰ ۱۹(۲ Suppl): አምs-۹۹s. ۴-WHO. Prevention and management of osteoporosis. World Health Organ Tech Rep Ser. ۲۰۰۳ ዓየነ: ۱-۱۶۴, back cover. ۵-Jamshidian-Tehrani M, Kalantari N, Azadbakht L, et al. Osteoporosis risk factors in Tehrani women aged ۴۰-۶۰ years. ... Iranian Journal of Endocrinology and Metabolism. YooF ۶(Y): ۱۳۹-۴۵. ۶- Maalouf G, Gannage-Yared MH, Ezzed

كلمات كليدي:

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