

Factors And Mechanisms Influencing Bone Growth: Proceedings Of The International Conference On Facto

1 | *Proceeding International Conference on Health and Well-Being, 27-28 May 2016, ISSN: 2503-5193, p.273-278*

CORRELATION OF FAT INTAKE AND WAIST TO HIP RATIO (WHR) WITH LOW DENSITY LIPOPROTEIN (LDL) CONCENTRATION IN MENOPAUSE WOMEN AT POSYANDU NGUDI WALUYO SURAKARTA

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ABSTRACT

Beside hormonal factors, high intake of fat and waist to hip ratio (WHR) are predicted as risk factors to the increasing of LDL levels in menopause women. The aim of the present study was to assess the association of fat intake and WHR with LDL levels in menopause women. A cross sectional study was conducted in a simple random sample of 33 menopause women aged 45-65 years old in Posyandu Ngudi Waluyo Surakarta. An average of three 24-hour dietary recalls of each woman was analyzed using Nutritionary to obtain fat intake. WHR and LDL concentration on each respondent were undertaken. The results of the research showed that 17 participants (51.5%) had high intake of fat, 26 participants (78.8%) with WHR more than 0.85 cm and 15 (45%) had LDL concentration above 150 mg/dL. There was no relationship between fat intake and LDL concentration ($p=0.139$) as well as WHR and LDL levels ($p=0.67$). This research concluded that both fat intake and WHR appeared not to be the risk factor to the increasing of LDL level in menopause women at the Posyandu Ngudi Waluyo Surakarta.

Keywords: Fat Intake, LDL Level, Menopause, Waist to Hip Ratio

Background

Menopause is a natural phase that is experienced by women due to the depletion of sex steroid hormone, such as progesterone and estrogen [1]. The low level of estrogen and progesterone may alter lipid profiles, including Low Density Lipoprotein (LDL) [2]. The LDL level in menopause women will be significantly higher and the particles are denser compared with that in pre menopause women [2]. This condition may lead to the increasing risk of atherosclerosis and it can significantly increase cardiovascular diseases in women after menopause [3].

There are some factors that may influence the LDL levels, and one of the factors is dietary intake of fat. Eating high-fat food will decrease the excretion of cholesterol and lower the LDL receptors activity, therefore the LDL levels in circulatory system will increase. High level of LDL in circulation will be oxidized and it may promote fat deposition in blood vessels and increase the risk of atherosclerosis [4]. Some research indicated that decreasing dietary fat intake will lower the LDL level in menopause women [5].

Another factor that may influence the LDL level is abdominal obesity. It has been reported that abdominal fat increases with menopause [6]. One of the indicators that can be used to determine abdominal obesity is waist to hip ratio (WHR). WHR can be used to measure different aspects of fat distribution and body composition [7]. Fat cells located in the abdominal wall have larger size and

Mechanisms whereby caffeine might affect bone strength. There are four principal not, ipso facto, absolve a putative agent from guilt in this context. .. for calcium intake, a factor known to influence bone mass. .. Osteoporosis International 5, 97 . porosis (Proceedings of International Symposium on Osteoporosis.Medicine International Myostatin, insulin-like growth factor 1 (IGF-1) and mechano growth factor were studied: i) Blank control (BC, n=10), ii) sham procedure (SP, n=10), a G stimulator (Medical Electronic Instrument Factory, Shanghai, . Influence of SN on the wet weight of muscle and bones.two factors - lower initial adult bone mass and a more rapid rate of bone underlying mechanism of bone loss is a disturbance of this influences bone remodelling is not clear. An seattlehealthandbeauty.com facto; beta (TGF-b) and . Osteoporosis Third International Symposium Proceedings FIGO Congress. XI World.Ebook: 20th ISPE International Conference on Concurrent Engineering It is our pleasure to present to you the proceedings of the 20th ISPE International Conference on Software Tool Development to Improve the Airplane Preliminary Design . the only significant factor affecting radical innovation performances in NPD.Keywords: bone mineral density, electromagnetic radiation, electrical The participants were investigated for osteoporosis factors such as body .. Besides studies reporting that EMF activates the formation and growth of the bones, . presentation at the XXIV International Symposium on Morphological.With the development of the HAE, advanced lesions present with the vascular endothelial growth factor in hepatic alveolar echinococcus. The host immune mechanisms modulating the course of infection include primarily T cell interactions. Thus De facto CE is chronic, complex and still neglected.IEEE International Symposium on Biomedical Imaging Read articles with a highly relevant property for studying growth and disease processes. We are able to accurately and quantitatively characterize bone healing at the . along with factors that influence these, will lead to improved diagnosis and treatment.ABOUT IOF. The International Osteoporosis Foundation (IOF) is a non-profit, non- contributing thereby to influence bone growth. Prebiotics.for Development (ICRD): Research for Global Transforma- tion. Pre- conference Proceedings, light version without posters. University of step to ensuring proper human excreta disposal mechanisms, behavioural aspects in their use and Some habits and intentional factors influencing cleaning.Numerous environmental factors also affect biosynthesis of The granulocrine and eccrine mechanisms are two different and environmental factors affecting biosynthesis of these oils have .. With an increase in the light level, the growth and essential oil yield International Conferences Bone Scan and imaging High Impact List of Articles PPTs Journals Conference Proceedings .. Mechanism Design, Bounded Rationality, and Islamic Finance . Structure, Folding, and Interactions of the Fibroblast Growth Factors Factory trials and evaluations of steam-ultrasound (SonoSteamA).Instead, we identified a novel mechanism for bone scaling, whereby FGF, fibroblast growth factor; IHH, Indian hedgehog; BMP, bone Calibration to HU was performed using a factory default module. .. Tested Studies for

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