

external link (opens in a new window)

Search Sources Analytics Alerts My list Settings Live Chat Help Tutorials

Quick Search

Search

Back to results | < Previous 83 of 125 Next >



View at publisher | Download Export Print E-mail Create bibliography Add to My List

Journal of Clinical Densitometry

Volume 9, Issue 3, July 2006, Pages 367-374

Peak Bone Mass of Iranian Population: The Iranian Multicenter Osteoporosis Study

Larjani, B.^a, Moayyeri, A.^a, Keshtkar, A.A.^a, Hossein-Nezhad, A.^a, Soltani, A.^a, Bahrami, A.^b, Omrani, G.H.^c, Rajabian, R.^d, Nabipour, I.^e^a Endocrinology and Metabolism Research Centre, Tehran University of Medical Sciences, Tehran, Iran^b Tabriz University of Medical Sciences, Tabriz, Iran^c Shiraz University of Medical Sciences, Shiraz, Iran^d Mashhad University of Medical Sciences, Mashhad, Iran^e Bushehr University of Medical Sciences, Bushehr, Iran

Abstract

View references (43)

Osteoporosis is a major public health problem in the Western countries and is projected to have a similar impact in the Middle East. It has been suggested that peak bone mineral density (BMD), a major determinant of osteoporotic fractures later in life, may be lower in this part of the world compared with the Western world. The purpose of the Iranian Multicenter Osteoporosis Study was to determine peak bone mass in a randomly chosen sample of healthy Iranian subjects. A total of 5201 participants (2340 males, mean age 42.7 ± 13.8) were recruited based on randomized clustered sampling from all regions of five major cities across the country. In women, peak lumbar BMD ($1.182 \pm 0.127 \text{ g/cm}^2$) occurred in the 29- to 33-yr age group, whereas peak total femur BMD ($1.006 \pm 0.126 \text{ g/cm}^2$) occurred in the 32- to 36-yr age group. In men, peak lumbar BMD ($1.181 \pm 0.153 \text{ g/cm}^2$) and femoral BMD ($1.096 \pm 0.159 \text{ g/cm}^2$) both occurred in the 20- to 24-yr age group. When standardized to mg/cm^2 units using established formulas, Iranian peak bone mass values are comparable with that of Western countries and are generally higher than that of Eastern Asian and Middle Eastern countries. © 2006 The International Society for Clinical Densitometry.

Reaxys Database Information

Author keywords

Bone densitometry; DXA; Iran; osteoporosis; peak bone mineral density; reference values

Indexed Keywords

EMTREE medical terms: adult; article; bone density; bone mass; cluster analysis; controlled study; dual energy X ray absorptiometry; female; human; Iran; lumbar spine; male; Middle East; normal human; osteoporosis; priority journal; Western Hemisphere

MeSH: Adult; Age Factors; Aged; Bone Density; Female; Humans; Iran; Male; Middle Aged; Osteoporosis; Reference Values

Medline is the source for the MeSH terms of this document.

ISSN: 10946950 CODEN: JCDF Source Type: Journal Original language: English

DOI: 10.1016/j.jocd.2006.05.001 PubMed ID: 16931358 Document Type: Article

References (43)

View in table layout

Page Export Print E-mail Create bibliography

Peck, W.A., Burckhardt, P., Christiansen, C., Fleisch, H.A., Genant, H.K., Gennari, C., Martin, T.J., (...), Heaney et al., R.P.

Cited by since 1996

This article has been cited **16 times** in Scopus: (Showing the 2 most recent)

Savaj, S., Ghods, F.J.
Vitamin D, parathyroid hormone, and bone mineral density status in kidney transplant recipients
(2012) *Iranian Journal of Kidney Diseases*

Sabour, H., Larjani, B., Vafa, M.R.
The effects of n-3 fatty acids on inflammatory cytokines in osteoporotic spinal cord injured patients: A randomized clinical trial
(2012) *Journal of Research in Medical Sciences*

View details of all 16 citations

Inform me when this document is cited in Scopus:

Set alert | Set feed

Related documents

Showing the 2 most relevant related documents by all shared references:

Sahli, H., Testouri, N., Chihaoui, M.B.
Bone mineral density in healthy Tunisian women
(2009) *Maturitas*

El Maghraoui, A., Guerboub, A.A., Achemlal, L.
Bone Mineral Density of the Spine and Femur in Healthy Moroccan Women
(2006) *Journal of Clinical Densitometry*

View all related documents based on all shared references or select the shared references to use

Find more related documents in Scopus based on:

Authors | Keywords

More By These Authors

The authors of this article have a total of **631 records** in Scopus: (Showing 5 most recent)

Tohidi, M., Akbarzadeh, S., Larjani, B., Kalantarhormozi, M., Ostovar, A., Assadi, M., Vahdat, K., Farrokhnia, M., Sanjideh, Z., Amirinejad, R., Nabipour, I.

Omentin-1, visfatin and adiponectin levels in relation to bone mineral density in Iranian postmenopausal women
(2012) *Bone*

Mahjouri, M.Y., Arzaghi, S.M., Heshmat, R., Khashayar, P., Esfahani, E.N., Larijani, B.

Add apps | Help