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Manuscript NO: 55358

Manuscript Type: SYSTEMATIC REVIEWS

Systematic review of the prevalence and development of osteoporosis or ²low bone mineral density and its risk factors in patients with inflammatory bowel disease

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Abstract

BACKGROUND

The inflammatory bowel diseases (IBD) Crohn's disease (CD) and ulcerative colitis (UC) are chronic immune-mediated disorders of the digestive tract. IBD is considered to be a

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Objective. **Prevalence** and impact of **low bone mineral density** (BMD) in psoriatic arthritis (PsA) is not well understood. We aimed to synthesize current evidence regarding the **prevalence**, impact, and **risk factors** for **low** BMD and fractures in PsA.

Cited by: 11

Author: Shelly Chandran, Shelly Chandran, Ali A...

Publish Year: 2016

Osteoporosis Prevention, Screening, and Treatment: A Review

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Jul 01, 2014 · **Osteoporosis**, defined as **low bone** mass leading to increased fracture **risk**, is a major health problem that affects approximately 10 million Americans. The aging U.S. population is predicted to contribute to as much as a 50% increase in **prevalence** by 2025. ...

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A high **prevalence** of osteopenia and **osteoporosis** is observed in **patients with inflammatory bowel disease** (IBD). Various **risk factors** of **bone** loss have been suggested in IBD. The aim of the present study was to investigate the **prevalence** of **low bone mineral density** (BMD) and to identify related **risk factors** in Greek **patients** with IBD.

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Background . We aimed to conduct a meta-analysis concerning the frequency and **risk factors** of reduced **bone mineral density** (BMD) in systemic lupus erythematosus (SLE) with evidence from published studies. Methods. A comprehensive literature search was conducted based on the EMBASE, Web of Science, PubMed, and Cochrane Library databases up to March 5th, 2017.



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Prevalence and risk factors for low bone mineral density ...

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Introduction. Cross-sectional studies have reported a higher **prevalence** of **low bone mineral density** (BMD), **osteoporosis** and fractures in HIV-positive adults compared with HIV-negative controls (1, 2). **Risk factors** reported for **low** BMD and fractures in the general population have also been associated with **low** BMD and fractures in HIV-positive adults.

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The association between potential **risk factors** and **low** BMD, **osteoporosis**, and fracture in SLE **patients** from the literature search was shown in Table 2. Postmenopausal status, non-Afro-Caribbean, higher BMI z score, number of deliveries, ever taken prednisolone >10 mg/day, and maximal dosage of >50 mg/day of oral corticosteroids were significantly associated with **low** BMD, while menopause ...

Cited by: 2

Author: Jumei Xia, Ran Luo, Shuiming Guo, Yi Ya...

Publish Year: 2019

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Low bone mineral density in Greek **patients** with **inflammatory bowel disease**: **Prevalence** and **risk factors** Article (PDF Available) in Annals of Gastroenterology 24(1):41-46 · February 2011 with 38 Reads