

**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 53142

**Manuscript Type:** ORIGINAL ARTICLE

*Case Control Study*

**Determination of vitamin D and analysis of risk factors for osteoporosis in patients with chronic pain**

**Abstract**

BACKGROUND

Vitamin D deficiency is common in patients with chronic pain and healthy people, but the difference between the two has not been reported; whether

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## COPD and osteoporosis: links, risks, and treatment challenges

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4820217>

Mar 29, 2016 · Various clinical **risk factors of osteoporosis in COPD patients**, including older age, **emaciation**, **physical inactivity**, and **vitamin D deficiency**, have also been described. It is critically important for **pulmonologists** to be aware of the high prevalence of **osteoporosis in COPD patients** and evaluate them for such **fracture risks**.

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Publish Year: 2016

## Medication-induced osteoporosis: screening and treatment ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4206646>

There are no published guidelines on prevention or treatment of **SSRI-induced bone loss**. Clinicians should ensure appropriate **calcium** and **vitamin D supplementation**. Patients considering treatment with **SSRIs** who have other risk factors for osteoporosis or fracture might benefit from **DXA** or FRAX analysis.

Cited by: 110

Author: Keshav Panday, Amitha Gona, Mary Beth...

Publish Year: 2014

## Management of chronic pain in osteoporosis: challenges and ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4824363>

Apr 01, 2016 · The rationale for vitamin D in the treatment of patients with OP is that improving skeletal health will reduce the risk of fractures and, consequently, pain.<sup>65</sup> Vitamin D **mitigates musculoskeletal pain** and downregulates inflammatory markers in patients with postmenopausal OP, especially after the infusion of zoledronic acid.<sup>66</sup> **Persistent pain** is associated with vitamin D-linked **bone demineralization**, myopathy, and **musculoskeletal pain**.

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Author: Teresa Paolucci, Vincenzo Maria Saracen...

Publish Year: 2016





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## The relationship between serum vitamin D and ... 翻译此页

For hip fracture, Begg's test ( $P = 0.39$ ) indicates that in the analysis by fracture site, there was no publication bias between serum vitamin D levels and hip fracture events. The trim and fill analysis show the similar results (Fig. 4b). Subgroup analysis. A subgroup analysis of the relativity between serum 25 (OH)D levels and the risk of fracture was conducted.

<https://josr-online.biomedcentral.com/articles/10.1186/s13018-020-01603-y>

## COPD and osteoporosis: links, risks, and treatment ... 翻译此页

Cited by: 27 Author: Daisuke Inoue, Reiko Watanabe, Ryo Oka...

Publish Year: 2016 位置: 8600 Rockville Pike, Bethesda, MD

2016-3-29 · Various clinical risk factors of osteoporosis in COPD patients, including older age, emaciation, physical inactivity, and vitamin D deficiency, have also been described. It is critically important for pulmonologists to be aware of the high prevalence of osteoporosis in COPD patients and evaluate them for such fracture risks.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4820217>

## Prevalence of Vitamin D Deficiency and Associated ... 翻译此页

Cited by: 8 Author: Naveen R Parva, Satish Tadepalli, Pratiks...

Publish Year: 2018 位置: 8600 Rockville Pike, Bethesda, MD

2018-6-5 · Vitamin D has long been established as a protective factor for cancer, with multiple studies showing an increased risk of cancer among vitamin D deficient patients, including colon, breast, ovarian, and prostate cancer. In this study, however, there is a statistically significant ( $p < 0.0001$ ) higher rate of cancer found among the vitamin D ...

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Apr 01, 2016 · The rationale for **vitamin D** in the treatment of patients with OP is that improving skeletal health will reduce the **risk** of **fractures** and, consequently, pain.<sup>65</sup> **Vitamin D** mitigates **musculoskeletal pain** and downregulates inflammatory markers in patients with postmenopausal OP, especially after the infusion of zoledronic acid.<sup>66</sup> **Persistent pain** is associated with **vitamin D-linked** bone demineralization, myopathy, and **musculoskeletal pain**.

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## [COPD and osteoporosis: links, risks, and treatment challenges](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4820217>

Mar 29, 2016 · Various clinical risk factors of osteoporosis in **COPD patients**, including **older age**, **emaciation**, **physical inactivity**, and **vitamin D deficiency**, have also been described. It is critically important for pulmonologists to be aware of the high prevalence of osteoporosis in **COPD patients** and evaluate them for such fracture risks.

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## [Medication-induced osteoporosis: screening and treatment ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4206646>

Evidence-based strategies for prevention, screening, monitoring, and treating **bone loss** and **osteoporosis** associated with AEDs are limited. **Routine evaluation** of 25-hydroxy **vitamin D** before treatment and every 6–12 months of **AED therapy** is recommended to ensure adequate **vitamin D levels** [Meier and Kraenzlin, 2011].

**Cited by:** 117**Author:** Keshav Panday, Amitha Gona, Mary Beth...**Publish Year:** 2014

## [Clinical risk factors for osteoporosis are common among](#)