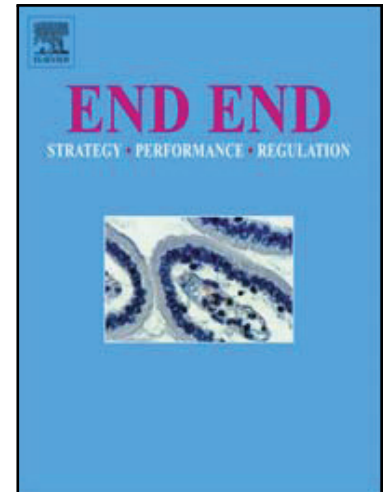


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Vitamin D Receptor Gene Polymorphisms Modify the Association of serum 25(OH)D Levels with Handgrip Strength in Elderly in Northern China

Zhiwei Xia M.D. , Qingqing Man B.Sc. , Lixiang Li B.Sc. ,
Pengkun Song Ph.D. , Shanshan Jia M.D. , Shuang Song Ph.D. ,
Liping Meng Ph.D. , Jian Zhang Ph.D.

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Highlights

- This article studied the relationship between serum 25(OH)D level and muscle mass and function, and proceed to investigate whether this relationship was modified by VDR gene polymorphisms.
- Serum 25(OH)D levels <10.0ng/ml, the risk of having a low handgrip strength was 3.04 times higher than that serum 25(OH)D levels >20.0ng/ml.
- Having the T allele of Fok1, and having a bb genotype of Bsm1 were significantly associated with higher handgrip strength and there was a significant interaction between 25(OH)D and VDR genotypes.

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