

RETRACTION NOTE

# Retraction Note to: Efficacy of Menatetrenone (Vitamin K2) against Non-Vertebral and Hip Fractures in Patients with Neurological Diseases

## Meta-Analysis of Three Randomized, Controlled Trials

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Retraction to: *Clin Drug Investig* 2009; 29(7):471–479  
<https://doi.org/10.2165/00044011-200929070-00005>

The Editor-in-Chief has retracted this article because two of the three studies [1, 2] included in the meta-analysis (cited as references 11 and 12) have been retracted due to fabrication of the data, which has rendered the results of this meta-analysis invalid.

All authors agreed to this retraction.

## References

1. Sato Y, Kanoko T, Satoh K, et al. Menatetrenone and vitamin D2 with calcium supplements prevent nonvertebral fracture in elderly women with Alzheimer's disease. *Bone*. 2005;36:61–8. <https://doi.org/10.1016/j.bone.2004.09.018>.
2. Sato Y, Honda Y, Kaji M, et al. Amelioration of osteoporosis by menatetrenone in elderly female Parkinson's disease patients with vitamin D deficiency. *Bone*. 2002;31:114–8. [https://doi.org/10.1016/S8756-3282\(02\)00783-4](https://doi.org/10.1016/S8756-3282(02)00783-4).

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