

Reduced bone density in individuals with severe hemophilia B

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[View references \(19\)](#)

Abstract

Aim: The reduced bone density in individuals with severe hemophilia A (decreased coagulation factor VIII level) and combined factor V and VIII deficiency have been reported. In the current case-control study we tried to address bone mineral density in individuals with severe hemophilia B (decreased coagulation factor IX). **Methods:** In our case-control study, we recruited bone density and biochemical indexes in 14 individuals with severe hemophilia B and compared obtained results with 14 age- and sex-matched control group results. **Results:** Our results showed individuals with severe hemophilia B had reduced bone density in lumbar (-0.34 ± 0.97) and femur (-0.82 ± 1.37) regions, compared to the control group (0.84 ± 0.53 and 1.02 ± 1.04 respectively; P-value = 0.000 and 0.000). **Conclusion:** The foremost complication of coagulation disorders are various types of excessive bleedings. The current study revealed severe hemophilic B patients are prone to reduced bone density similar to severe hemophilic A patients. © 2009 Asia Pacific League of Associations for Rheumatology and Blackwell Publishing Asia Pty Ltd.

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MeSH: Absorptiometry, Photon; Adult; Bone Density; Case-Control Studies; Female; Femur Neck; Health Surveys; Hemophilia B; Humans; Lumbar Vertebrae; Male; Middle Aged; Osteoporosis; Severity of Illness Index; Young Adult
Medline is the source for the MeSH terms of this document.

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