

Tentative Outline

Thematic Issue for Current Nutrition and Food Science

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VITAMIN D SUPPLEMENTATION: ITS RELEVANCE TO OBESITY, ATOPIC DERMATITIS AND DEPRESSION.

Aims and Scope

Vitamin D is a group of fat-soluble vitamins. Amongst the vitamins, vitamin D is unique because it can be taken via diet, and can also be synthesized endogenously. It is referred to as the sunshine vitamin because mammals can synthesize vitamin D₃ when adequately exposed to sunlight.

Vitamin D is a prohormone, and is involved in body metabolism as well as homeostasis. It is well known to be involved in the regulation of calcium metabolism, and its deficiency causes rickets in children and osteomalacia in adults. Aside its established use in the management of metabolic bone disorders, vitamin D is also proposed to have some potential in the therapy of some other disease conditions such as multiple sclerosis, diabetes, and even prostate cancer.

Some authors have reported that an increased serum level of vitamin D is related to successful weight loss, though this is quite controversial. Other investigators have indicated that vitamin D supplementation may have beneficial effects in the management of atopic dermatitis and allergies. Results of recent research also suggest that vitamin D may have a role in the management of clinical depression. This thematic issue examines the evidence relating to the role of vitamin D in the management of obesity, atopic dermatitis, and depression.

Keywords: Vitamin D; therapeutic benefits; obesity; weight loss; atopic dermatitis; depression

Subtopics:

- Non-classical therapeutic benefits of vitamin D supplementation
- Effect of vitamin D supplementation on body composition
- The effect of obesity on serum levels of vitamin D
- Effectiveness of vitamin D supplementation in the management of atopic dermatitis: a review of current evidence
- The use of Vitamin D in the management of depression: fact or fiction?

Schedule:

Manuscript submission deadline:	July 31, 2012
Peer Review Due:	Nov 30, 2012
Revision Due:	Dec 15, 2012
Notification of acceptance by guest editor:	December 22, 2012
Final manuscripts due:	December 30, 2012