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ONLINE ISSN : 1880-1404

PRINT ISSN : 0916-717X

Biomedical Research on Trace Elements

Vol. 16 (2005) , No. 3 208-214

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Recent progress on essentiality of the ultratrace element vanadium in the nutrition of animal and man

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Abstract:

In 14 experiments with intrauterinely depleted goats getting < 20 μg V/kg ration DM, V-deficient goats suffered pain in the extremities, developed swollen tarsal joints of the forefeet, glandular hyperplasia of the endometrium and increased size of pancreas, thymus and thyroid compared with controls. The normative requirement of Vanadium (V) for animals amounts to > 20 μg diet DM and < 5 μg V/day for adult humans.

Key words: vanadium, essentiality in animal, geological influences, intake of man, foodstuffs

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To cite this article:

Manfred Anke, Heike Illing-Günther and Ulrich Schäfer, "Recent progress on essentiality of the ultratrace element vanadium in the nutrition of animal and man", Biomedical Research on Trace Elements, Vol. **16**, pp.208-214 (2005) .



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