

ALLERGY, VITAMINS

# A FACTOR IN HAY PREVENTS VITAMIN D ACTION

11.04.2008

As always, a longer literature search prevents from new discoveries... Here comes a nice piece from 1952 on the antagonistic effect of LPS on vitamin D (Is that really LPS or did I interpret it wrong?). Although not included in my [recent review on vitamin D and allergy](#) - I attributed the effect to [Lyakh et al.](#) - here is the first description of this effect.

NO. 4334      November 22, 1952      N A T U R E

## **A Factor in Hay inhibiting the Action of Vitamin D**

DURING our investigation on the vitamin D content of hay in Holland, started in 1950, the impression soon arose that hay contains a factor antagonistic to vitamin D.

It was noticed repeatedly that the regression line, indicating the relation between recovery of rachitic rats and the logarithm of the dose of pure vitamin D, showed a higher—sometimes a substantially higher—regression coefficient than the analogous regression line of the fat from hay under examination (see graph). Doubling the dose of hay fat scarcely ever resulted in the recovery which would be anticipated from the initial dose applied.

October 1951 of vitamin D be recovered that we have as Grant<sup>1</sup>, & results.

During a few weeks we were fed daily to 0.6 gm. of oil. Other groups of vitamin D were able to recover supplied in the 20 to 50 per vitamin D at an interval of