

Grown By Nature – Re-Natured® Vitamin C

1) December 2004 - Volume 15 - Issue 8 - pp 677-685

Blood Coagulation & Fibrinolysis:

<http://gbn.grownbynature.com/haemostasis.pdf>

Food state (Re-Natured®) vitamin C complex may beneficially affect haemostasis and fibrin network structure in hyperlipidaemic patients

“In conclusion, the decreases in TAT and PAP are possibly an indication that the food state (Re-Natured®) Vitamin C complex decreased the initiation of haemostasis, which in turn led to a compensatory reduction in fibrinolysis. Food state (Re-Natured®) Vitamin C complex may therefore be protective of cardiovascular disease by causing a new reduced steady state of haemostatic balance and less rigid clots (increased compaction).”

2) American Journal of Clinical Nutrition

“Comparative Bioavailability of Ascorbic Acid Alone or in a Citrus Extract”

Volume 48, No. 3, pp 601-604

<http://gbn.grownbynature.com/vitcbio.pdf>

“In conclusion, the ascorbate in CE (Re-Natured®) was found to be more slowly absorbed and more bioavailable than ascorbic acid alone and is thus the preferred form of ascorbate for supplementation.” ...

“The ascorbate in the CE (Re-Natured®) was found to be 35% more bioavailable than ascorbic acid alone. “ ...

“The finding that the ascorbate in the CE (Re-Natured®) was more bioavailable and more slowly absorbed, i.e., that it acts like a timed release formulation is advantageous to supplementation.”

3) Journal of Medicinal Food
Volume 4, No. 4, 2001

<http://gbn.grownbynature.com/vitccholesterol.pdf>

“We found no in-vivo antioxidant effect with a 1,000 mg. dose of Vitamin C (ascorbic acid) alone, but a significant effect with the combination of Vitamin C (ascorbic acid) and a concentrated flavonoid-containing Citrus Extract (Re-Natured® Vitamin C)”

4) Diabetes, 38, 1036-41. 1989.

In Vitro and *In Vivo* Reduction of Erythrocyte Sorbitol by Ascorbic Acid
<http://gbn.grownbynature.com/sorbvitc.pdf>

“Citrus fruit medium (Re-Natured® Vitamin C) caused a highly significant 27.2% decline in erythrocyte sorbitol (range 15.1 - 43.0%) with all subjects experiencing a decline. The citrus fruit medium produced over a twofold greater reduction than the AA (ascorbic acid), and the difference between the two forms was significant ($P < 0.01$). The greater ability of citrus fruit medium to lower erythrocyte sorbitol can be attributed to its greater effectiveness in increasing erythrocyte AA”

“Thus, AA (Re-Natured® Vitamin C) may prove useful for the prevention and treatment of the complications of diabetes.”

5) European Journal of Cancer Prevention. Vol 2. Supp. 1, 1993
Effects of Selenium and Vitamin C on colonic crypt cell proliferation:
1 year follow up

<http://gbn.grownbynature.com/polypsyear.pdf>

“Non-compliant subjects in the vitamin C group had a trend to higher cell proliferation rates compared to compliant subjects. Selenium supplementation maintained the cell proliferation rates as a significantly lower level than the pre-supplementation levels ($p < 0.05$). In conclusion long term supplementation with Vitamin C and Selenium reduce the colonic crypt cell proliferation in patients with adenomatous polyps.”

6) Irish Journal of Medical Science (1993). 162. p102-103
VITAMIN C REDUCES COLONIC CRYPT CELL PROLIFERATION

<http://gbn.grownbynature.com/polypsyear.pdf>

“All adenomatous polyp patients had significantly increased LI% compared to normals. Vitamin C supplementation significantly decreased the total LI%. 750 mg of Vitamin C daily for one month significantly decreases the colonic cryptcell proliferation in patients with adenomatous polyps.”

7) Medical Science Research, 1992, 20, 145-146.
Effect of Vitamins A, E and a Citrus Extract on *in vitro* and *in vivo* lipid peroxidation

<http://gbn.grownbynature.com/antioxidant.pdf>

“Citrus extract (Re-Natured® Vitamin C) produced a significant decrease in plasma TBARS in all five subjects. The combination of vitamins A, E and Citrus Extract caused a significantly lower post-supplementation plasma TBARS than any of the single supplements, $p < 0.05$. The combination caused an average decrease of 30.1% in plasma TBARS.”

“Vitamin A and citrus extract (Re-Natured®) were such effective inhibitors that they significantly decreased LPO in the high glucose media below that in the normal glucose control media. A statistical comparison of the 3 inhibitors revealed that citrus extract was the most powerful inhibitor”

8) Nutritional Biochemistry 7:659-663, 1996
Inhibition of Protein Glycation and Advanced Glycation End Products by Ascorbic Acid and Other Vitamins and Nutrients
<http://gbn.grownbynature.com/proteinglycationvitc.pdf>

“Re-natured vitamin C was used for supplementation because it has been found to be more bioavailable to humans than ascorbic acid alone”

“The present Vitamin C supplementation study (in a bioflavonoid mixture) demonstrated an average decrease of 46.8% in protein glycation in normoglycaemic subjects”

“Vitamin C thus beneficially influences the two mechanisms of diabetic complications; glycation and the sorbitol pathway.”

“Vitamin C should, therefore, be an ideal candidate for diabetes supplementation.”