

# Competitive Intelligence Advisor™ (CIA)

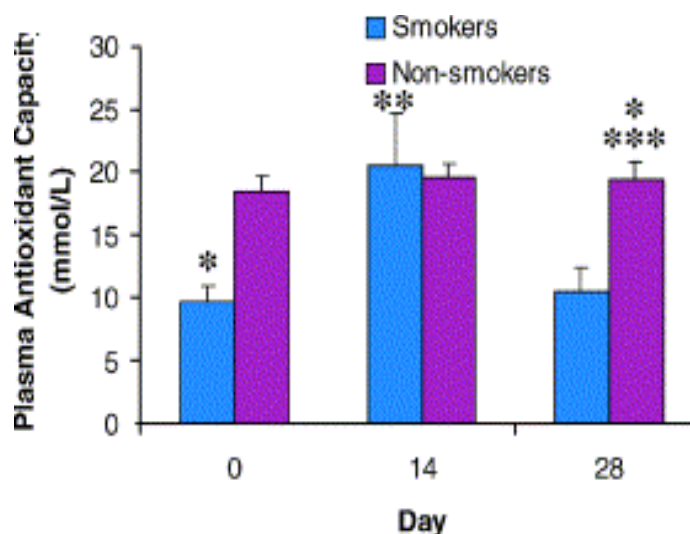
*A weekly window into the world of natural products research and intellectual assets™*

Volume 2 (31) Oct. 21, 2002

Page 1

## The Stinking Rose Smokes the Leaf

*Coming soon*—In an upcoming review in *Ageing Research Reviews*, a British researcher sings the song of praise over the bane of vampires and werewolves. The paper fancies Kyolic's Aged Garlic Extract (no disclosure of conflicts is made), omitting the voluminous clinical research on Lichtwer Pharma's Kwai® garlic and the unparalleled, \$2+ million, 4 year atherosclerosis regression study published in May of 1999. The review does offer some intriguing unpublished data revealing *in vivo* antioxidant effectiveness of AGE in smoking adults. An unspecified dose for 14 days among an unspecified number of male and female smokers raised plasma antioxidant capacity (as ascorbate equivalents) to that of non-smokers (total of 10 persons). Supplementation in the non-smokers did not change this parameter but did reduce a marker of oxidative stress (blood and urine isoprostanes), as it did in the smokers.



**Figure 1. Antioxidant capacity of plasma in non-smokers and smokers before and after AGE consumption. Antioxidant capacity is expressed as ascorbate equivalent antioxidant units (mol/l). Significant difference ( $P<0.05$ ) is indicated by \*from control (non-smokers), \*\*from day 0 and \*\*\*from day 14.**



**imaginutrition®**

A Nutritional Technology and  
Demand Creation Think Tank

30131 Town Center Dr., Suite 211, Laguna Niguel, CA 92677  
Ph: (949) 363-5858 Fax: (949) 363-1758 Email: CIA@imaginutrition.com

©IMAGINutrition, Inc., 2002. All rights reserved.

# Competitive Intelligence Advisor™ (CIA)

*A weekly window into the world of natural products research and intellectual assets™*

Volume 2 (31) Oct. 21, 2002

Page 2

## Should Antioxidant Supplements be Parked at the Curb?

*Tomorrow*—In the current issue of *Neurology*, the Harvard diet harvesters publish a study exploring the link between antioxidant supplements and those in foods and Parkinson's disease. Within the sample population of over 240,000 male and female health professionals, 371 cases of PD developed over a period of 12-14 years. *Supplements* of vitamins C and E conferred no protective benefit yet dietary intakes of vitamin E-rich foods, e.g., nuts did reduce risk. Note: These data are not to be confused with clinical studies exploring the *therapeutic* effects of vitamin E supplements in PD.

## Odd Over Even with CLA

*15 October*—Minnesota-based Conlinco was issued a patent (**US6465666**) claiming foods or dietary supplements with 75-90% or greater concentrations of the **c9,t11** isomer. What is puzzling is that the abstract of the patent and the description calls out preferentially higher amounts of the *t10,c12* isomer while the allowed claims call out foods or supplements with at least 75% or 90% of the **c9,t11** isomer. The data supporting the patent rest upon the finding that as the *t10,c12* ratio climbs the body fat falls (in animals, e.g. hogs). Note: CIA™ was the first to report on the undesirable, insulin resistance-inducing effects of *t10,c12*-rich CLA mixtures in obese men. Another study published last month in *The Journal of Lipid Research* found similar outcomes in mice, accompanied by a fatty liver, as seen in other animal studies.

## Creatine Orients Eastward

*15 October*—Another patent (**US6465018**) calling out the use of creatine plus other ingredients issued to Dave Tuttle (Senior Editor of *Physical* magazine). This is a continuation of a patent issued in 2001, describing the use of a creatine source, *Astragalus membranous* [sic], and *Panax ginseng* or *P. quinquefolius*. The primary claim is the use of three of these ingredients, in specified amounts, in at least one capsule. Interestingly, other solid dosage forms are not claimed, in addition to powders or gums. Again, this patent lacks any proof of concept data in animals or humans, reinforcing the assumptions of increased immunity and muscular strength.



**imaginutrition®**

A Nutritional Technology and  
Demand Creation Think Tank

[www.imaginutrition.com](http://www.imaginutrition.com)