

# Chit-O-Gram

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Source International, Inc. [www.chitopower.com](http://www.chitopower.com)

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## CLEARING THE TOXINS

I have suffered from Lyme disease for 11 years. The disease was misdiagnosed and has wreaked havoc on my body.

I have been using Chit-O-Power since 2000. It has saved me. I know it is working because when I do not use the product, I completely go down hill with my health. It keeps clearing the toxins that are in my body. I have a better sense of well being and am able to function more fully. I feel Chit-O-Power has enhanced my immune system.

I believe in it so much that I decided to become a distributor. This allows me to help those who have Lyme's understand the value of this product and I am able to give them a much better price.

B.Schwartz : Chicago, IL (BeWellNatural@aol.com)

## Did you know...

Chitosan Oligosaccharide is one of the oligosaccharides contained in a mother's milk? Unlike chitosan, it has a low molecular substance and is readily absorbed into the system.

## Lyme Disease - The Great Pretender

Recognizing Lyme disease symptoms could make a big difference to patients. A Pennsylvania doctor, recognized as a national expert, finds Lyme disease is often mistaken for other serious illnesses. He calls Lyme disease the great pretender.

Symptoms include fatigue, fever, joint pain and rash. If there isn't a rash, you might be treated for something else and get little relief.

Doctor Gregory Bach stopped in the Scranton area to get the word out. The Philadelphia area doctor is on the board of the International Lyme and Associated Diseases Society. He offers videos that show a young man suffering from a neurological illness.

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He can barely get from the waiting area to the doctor's door. And, a young mother goes into a trance when talking with the doctor. She can move her eyes, but that's it. Dr. Bach says before he became their doctor, they were getting treatment for other illnesses. That's why Lyme disease gets the nickname, "The Great Pretender".

"There's an organism that travels with Lyme disease called Babesia- Jeanette. It causes asthma-like symptoms, it can cause neurological dysfunction, and psychiatric dysfunction such as depression or bipolar disorder. We've had cases of schizophrenia and I just published on "cutting", which is self mutation, associated with tick born diseases."

Dr. Bach didn't always know this much about Lyme disease but got interested when his wife, Deborah, became a victim losing both hearing and eye sight. "We did more research and we found that right, person and they referred us to a Lyme literate doctor, and did the proper testing. Within 10 days of going on the proper antibiotics, I gained back 90 plus percent of my hearing." In addition, her sight came back. Lizette Hess who went into trances described her life before being diagnosed. "I was exhausted, I was totally exhausted after that, just from freezing up for a few seconds. I have three children, small children who had to see this happening and wondering if I was going to die."

The antibiotics to treat Lyme disease are already on the market. Dr. Bach says the deer tick isn't the only tick to blame for problems. "It's just not the little deer tick. All major ticks can have the possibility of carrying it although the deer tick has the highest percentage."

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## THREE CONVENIENT SIZES:

- 100 MG (30 CAPSULES / 3GRAMS)
- 250 MG (30 CAPSULES / 7.5 GRAMS)
- 500 MG (60 CAPSULES / 30 GRAMS)

(SEE YOUR DEALER FOR DETAILS)

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## **Biomedical Applications – WOUND HEALING**

The beneficial roles of chitin and its derivative, chitosan, in potentiating healing in mammals and humans have been surmised since antiquity and firmly established in the last 25 years. The ancient Koreans used octopus pen chitin for abrasion treatment. Mexicans have traditionally employed preparations from mushrooms, with their chitin/chitosan cell walls, to aid healing of deep cuts.

The scientific basis for the utility of the monomer sugar N-acetylglucosamine (NAG) in the promotion of wound healing was officially documented in 1960 (1). By the 1970s, highly enhanced rates of wound healing observed with polymeric forms of chitin were reported widely by Balassa, Prudden and co-workers (2, 3) and the subject of US Patents (4, 5, 6).

Easier to use, chitosan was also studied and shown effective in wound healing stimulation by Balassa and Prudden (3). Allan, et al. (7) reported effective burn treatments in rats using chitosan acetate. Tough, protective chitosan acetate films had the healing advantages of good oxygen permeability, high water absorptivity and slow enzymatic (lysozyme) degradation, thus avoiding the need for repeated removal. Malette, et al. (8, 22) showed that treating various dog tissues with chitosan solution resulted in the inhibition of fibroplasia and enhanced tissue regeneration. Muzzarelli, et al. (9) used chitosan and chitosan ascorbate to replace dura mater in cats and reported complete polymer disappearance and normal tissue regeneration in 60 days. Borah, et al. (14) have reported accelerated wound epithelialization in rabbits with N,O-carboxymethyl chitosan.

Significant progress in veterinary wound healing has been reported recently. Minami, et al. (16) noted accelerated regeneration of tissue with no visible scarring in treating various types of infected livestock wounds with chitin/polyester non-woven dressings, chitin-cotton and chitosan-cotton wound filling materials.

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Similar results were observed with domestic pets utilizing the same materials (17). Supported by these findings, Sunfive, Inc. (Japan) has developed and marketed a chitosan-cotton, Chitopak™ C, and a chitosan suspension, Chitofine™ S, whose efficacy 'is corroborated by post-market reports (18, 19).

With advances in chitin polymer technology (10, 11), Unitika, Ltd. (Japan) has developed, gained approval and marketed in Japan a non-woven fabric dressing, Beschitin W, for treatment of human traumatic skin wounds and burns, including deep dermal burns. It has been shown to have superior performance in relief of pain, speed of healing, wound adherence, exudate absorption and scar minimization (12, 13). Unitika also has reported clinical results showing good biocompatibility and efficacy for a porous chitin sponge used as a temporary deep wound dressing (15). Other Japanese firms have developed spun chitosan fiber materials as prototype wound dressings.

The use of chitosan in a topical spray is another successful veterinary wound healing approach which has been documented. Brzeski, et al. (20) reported 99% healing effectiveness in livestock postoperative and traumatic wounds, new and old (difficult healing) and >90% healing of infectious hoof inflammation. In Europe a spray product, Chitopan® (Sea Fisheries Institute, Poland), supported by such findings, is available. Clinical results using this product on human chronic leg ulcers have shown stimulated granulation and epidermis formation and highly accelerated healing (21).

Clearly significant scientific and commercial progress has been made in utilizing chitin and chitosan in wound healing. But there are obvious opportunities for further discoveries and new, better products. The possibilities are many for only a good beginning has been made.

***For you, your family and your pets!***