

Just Natural Immune Boost

1. Ingredients of Ganoderma Capsule

Lingzhi spore_Asian ginseng

2. Dose and usage

Five capsules for each time and three times daily

3. Overview

In modern society, daily affairs are heavy and complicated, and people have great pressure in daily life, and they are extremely busy now and then. If people live in this condition for a long time, it is inevitable to cause some slight diseases or indispositions, or great trouble may even be induced.

Ganoderma Capsule is a superior natural healthcare preparation from China. It has effects such as supporting healthy energy, strengthening with tonics and lengthening lifespan. The product is especially designed for daily life healthcare of busy people, and it can help to prevent and treat some chronic diseases or even cancer.

Ganoderma Capsule produced by our company is different from the Ganoderma products from other companies. Our Ganoderma Capsule is refined with two traditional Chinese medicinal crude drugs, i.e. Ganoderma the drug with a name of “panacea” in China, and ginseng with praises of “King of medicinal plants” and “drug curing all”. Ganoderma and ginseng are firstly recorded in *Shennong's Herbal* which has been compiled in China's Han dynasty.

In Ganoderma Capsule, powder of sporoderm-broken Ganoderma spores is applied. Ganoderma is a high grade saprophytic fungus which is reproduced by spores. The fungi body is composed of sclerote and carpohole. Sclerote is also named hyphal body, which is a while filament hiding under the nutritional substrate, and it can not be seen generally. Carpohole is the major visible part. It can be divided into three components, pileus, stipe and hymenium. Ganoderma grows in warm and humid environment with a growing period of a few months to one year, perennial Ganoderma is rarely seen. When the carpohole is mature, it will release spores and stop growing, the whole plant would be lignified. Ganoderma spore powder is the seed released by Ganoderma in late development period, which is named basidiospore in biology, and they are in powder form after collected, which is called Ganoderma powder in general. Its application is found in the studies in recent years. It is difficult to collect Ganoderma in natural conditions, only 1 kg ganoderma spore powder can be collected from 100kg basswood Ganoderma, the diameter of each spore is only 2-8 μm . In spore, there are more polysaccharide, adeny nucleoside, proteins, enzymes, triterpenes, organic germanium and other trace elements, etc. compared to Ganoderma. In the aspect of therapeutic effect, Ganoderma spore has effects of reinforcing immunity and inhibiting tumors, which are far superior to Ganoderma. Why Ganoderma spores brake the sporoderm? Because there is an exterior wall which is extremely difficult to be digested by human gastric acid, the effective ingredients of Ganoderma spores can only be absorbed after this wall is broken. The absorption rate to Ganoderma spores can be increased by 45 times if the wall is broken. At present, there are biological enzymolysis method, chemical method and physical method, etc. which can be applied to break the outer wall, and what we apply is ultra low temperature physical sporoderm-broken technique, which will not damage the active ingredients in spores.

In China, there is an old legend, in which the female fairy white snake lady steal panacea Ganoderma to save her husband Xu Xian for the immortal love. Fairies could live forever, but her husband could not avoid death, so white snake lady had to steal the panacea. The fairy nearly achieved her goal, but demons were awaked to mess the good wish. With the flying development in human society, the “panacea” has been listed as one important scientific and research program in healthcare industry, and it has been widely applied to fields such as medical treatment, healthcare and cosmetology, etc. It is thus evident that Gannoderma has a supreme position in the minds of ancient people, while the reasons are that, first it is extremely rare and precious item, second it has marvelous therapeutic effect.

Another ingredient in Just Natural Immune Boost is ginseng. Ginseng is the root of araliaceae plant ginseng. For a long term, ginseng has been praised as the drug curing all. It is reported that Chinese has a history of 4000 years to take Panax ginseng. Ginseng has an exterior shape of human figure, which can induce people’s imagination to mystery, and it is considered as god grass. *Shennong’s Herbal*, the first literature of medical materials, has listed it as a drug. In the book, ginseng is classified as a high grade “principal” drug which can “support life and respond to nature, with no toxicity, cause no injury after long term administration, make body light and benefit vital energy, make people immortal and prolong lifespan”. The pharmacological action of ginseng is “to supplement five organs and make mind in peace, sedate soul and stop shock, eliminate evils, brighten eyes, open heart and benefit intelligence”. Therefore, ginseng has obtained the supreme position such as “king of medicinal grass” and “leader of all traditional crude drugs”. In Ming dynasty, the great medical expert Li Shizhen had described ginseng in details in high medical masterpiece *Compendium of Materia Medica*, and he believed that ginseng was the god drug which could nearly cure all diseases, and it could cure “all deficiencies of males and females”.

It is demonstrated in modern pharmacological studies that, Just Natural Immune Boost has the following pharmacological actions_

(1) Inhibit tumor, adjust immune function and resist radiation. (2) Reinforcing immunity. (3) Resist senility, beautify skin and nourish facial region. (4) Sedate spirit and benefit brain. (5) Protect liver and benefit liver. (6) Lowering blood fat and lowering blood pressure. (7) Improve cardio and cerebral vascular functions. (8) Regulating endocrine, lower blood glucose. (9) Regulate the functions of digestive system. (10) Moisten lung to appease asthma. (11) Anti-anaphylaxis. (12) Inhibit functions of thyroid, assist treatment of hyperthyroidism.

Just Natural Immune Boost is mainly applied to strengthen with tonics and prolong lifespan, and the product is used to chronic fatigue syndrome, sub-health state and decreased immunity. According to the results of pharmacological study, Just Natural Immune Boost can be applied to the prevention and treatment of various diseases, such as tumor resisting, radiation injury resisting, decreased immunity, people easily catching cold or diseases, who can not be cured after cold, beautification and facial nourishment, excessive contemplation, neurastheria, various chronic hepatic diseases, angiosclerosis, hyperlipemia, hypertension, hyperglycaemia, diabetes, poor digestive function, chronic bronchitis, asthma, skin hypersensitiveness, allergic rhinitis, adjunctive therapy against hyperthyroidism, etc.

4. How does Just Natural Immune Boost work?

4.1 Knowledge of traditional Chinese medicine (TCM)

Just Natural Immune Boost has a wide applying range, and it is believed in TCM that, the product exert its preventing and treating effects against various diseases and sub-healthy state by supporting healthy energy, invigorating vital energy and nourishing blood, greatly nourishing renal Qi, recover meridians and solidifying collapse, invigorating spleen to benefit lung, promoting production of body fluid, soothing nerves and benefiting intelligence, etc.

4.2 It is indicated in modern pharmacological study that, Just Natural Immune Boost prevents and treats diseases by the following pharmacological actions.

(1) Improving immunity

Just Natural Immune Boost can activate and reinforce the functions of mononuclear phagocytic system, and it can promote the functions of humoral immunity and cellular immunity, thus to reinforce the capacity of human body to resist infection, virus and tumors.

(2) Resisting senility, beautifying and nourishing facial region

The polysaccharides and polypeptides contained in Just Natural Immune Boosts can regulate metabolism balance, promote the synthesis of nucleic acid and protein, increase the activity of superoxide dismutase (SOD) in body, and eliminate the free radicals produced in body. It can maintain and regulate moisture in skin, recover the skin elasticity, make skin red and tender, and inhibit the formation and deposition of melanin in skin. It can effectively prevent the invasion of bacteria to skin, prolong the senility of human body, thus to effects of anti-senility, beautification and facial nourishment. It has been reported that, when powder of sporoderm-broken *Ganoderma* spores and pearl powder are taken together, they can reinforce physical agility and nourish facial region. When natural fresh water pearl is taken as the material, and physical processing technique is applied, such as high-tech pneumatic comminution, the valuable ingredients such as calcium carbonate and proteins, etc. can be effectively preserved, and it especially has good healthcare effects for speckles removing, beautification and sleeping improvement. Moreover, the diameter of pearl granules more than 10 μ m only takes a proportion less than 2%, so the absorption of pearl powder into human body is directly promoted.

The aging of neurons in human body accompanies the changes of membrane fluidity of neurons in cerebral cortex. The Just Natural Immune Boost contains panaxsaponin, which can increase the membrane fluidity, thus to postpone the senility of cerebral cortex, and decrease the remembrance damage in old people. It is an important indicator of the mechanism of panaxsaponin to increase membrane fluidity. Panaxsaponin can significantly inhibit the formation of peroxidized lipids in brain and liver, and decreased the contents of lipofuscin in cerebral cortex, liver and cardiac muscle, and the peroxidized lipids in serum, and it can increase the contents of superoxide dismutase and peroxidase in blood. Ginseng can also maintain the secretion functions of various hormones and mediators in nervous center, thus to promote the nervous functions.

(3) Inhibiting tumor

Just Natural Immune Boost contains active ingredients such as *Ganoderma lucidum* polysaccharides peptide, ganoderma triterpenoids, organic germanium and trace element selenite, etc., which can damage the telomerase of tumor cells, break the malignant circulation of tumor cell division, improve all cancer symptoms, inhibit the formation, growth and metastasis of cancer cells, thus to promote to shrink the tumors. It can also decrease the damage induced by radiation, promote the synthesis of protein, RNA and DNA in bone marrow cells, and lighten the toxic and side effects after radiotherapy and chemotherapy.

In the capsule, ginseng is the recovering and tonifying agent, which can also work against tumor. It has been demonstrated in clinical studies that, both panaxsaponin and panaxan have therapeutic effects against gastric cancer and lung cancer, they can not only improve subjective symptoms, but also prolong the lifespan of patients. When it is applied with other therapeutic drugs, the therapeutic effect can be improved, adverse effects after radiotherapy and chemotherapy can be decreased. After orally taking ginseng preparations, contents of white cell, red cell and hemoglobin would increase, and hematogenesis of marrow can be promoted, so ginseng has effects of treating aregenerative anemia and granulocytopenia. It can also alleviate the injuries of hemopoietic system induced by radioactive ray.

Medical experts have found in recent years that, the growth and metastasis of tumors must rely on the formation of new vessels, if drug can be applied to inhibit the formation of new vessels, the relapse and metastasis of tumor can be blocked, thus to cure the tumors. In our country, medical experts have further studied ginseng which has effects of strengthening body resistance and tonifying renal Qi, and found its active ingredient ginsenoside Rg3 can powerfully inhibit the formation of new vessels in tumor, and its toxic and side effects are minor, and it can be taken for long term. This finding demonstrates an important breakthrough in tumor treatment by TCM.

(4) Soothing nerves and invigorating brain, promoting the functions of neurons

Just Natural Immune Boost has obvious improving effects against neurasthenia symptoms such as insomnia, dreaminess, headache, dizziness and palpitation, etc., and overtiredness. When the drug is taken for long term, it can give people abounding physical strength and high spirit. The ginseng ingredient has strengthening effects for the excitation and inhibition of superior nervous system, which reflects that ginseng has a two-ways regulation effect. It can improve the working efficiency of brain, adjust brain to recover normal from functional disorder, improve cerebral functions and strengthen remembrance. In clinics, if the pregnant women are administrated "ginseng dip" before delivery, her physical strength will be reinforced, and the birth process can be shortened.

(5) Protecting liver cell and resisting hepatic fibrosis

Just Natural Immune Boost contains abundant ganoderma acids, ganoderma sporic acid A, etc., which can improve the deintoxication and regeneration of liver. Therefore, it can obviously improve symptoms of various viral hepatitis, toxic hepatitis, cirrhosis, fatty liver, and recover the hepatic function, and the viral indicators of a few hepatitis B patients even turn to be negative. It can work against the increased GPT induced by CCl₄. The mice are fed with CCl₄ firstly, and then extract of ganoderma spores is administrated. The results of the experiment demonstrate that, the GPT contents in mice fed with ganoderma spore extract are decreased by 25%-32% compared to control group, which suggests that ganoderma spores can eliminate the injury to liver caused by chemicals.

Feed the mice with ganoderma spore extract at a dose of 1-5g ganoderma spore powder/kg body weight. After feeding, the content of hydroxyproline in mice renal tissue is lowered by 10%-25%, but the content of hydroxyproline in blood is not obviously changed. The experiment demonstrates that, ganoderma spore powder and blood vessels.

(6) Lowering blood fat, regulating blood pressure, improving cardio and cerebral vascular effects

Just Natural Immune Boost can effectively broaden coronary artery, increase blood of coronary artery, improve microcirculation of cardiac muscle, increase oxygen supply to cardiac muscle, and alleviate angiosclerosis of end vessels. If applied for long term, the drug can obviously alleviate the abnormally increased serum cholesterol, glycerine, _lipoprotein in patients with coronary diseases, diabetes and cerebral vascular diseases, and purify blood, soften blood vessels and prevent thrombogenesis, thus to prevent and alleviate symptoms of coronary diseases, angina pectoris, various arrhythmia and cerebral vascular diseases.

It is demonstrated in the experimental results of Institute of Materia Medica, Chinese Academy of Medical Sciences, Just Natural Immune Boost can obviously lower blood cholesterol. The rats are fed with high fat content feeds to increase its blood fat, and Ganoderma spore extract is applied to rats. The total cholesterol is decreased by more than 40% in rats administrated with Ganoderma spore extract, and triglyceride is lowered by 35%-50%,

It is confirmed in animal experiment that ginseng can significantly improve the resistance to hypoxia in cardiac muscle. The anti-arrhythmia of ginseng is very powerful, which is consistent with the fact that ginseng can promote blood circulation, and this is recorded in relevant TCM literatures. If people orally take 3-5g

ginseng, the heart output will be increased, and myocardial contractility is strengthened, and heart rate would be slowed. Panaxsaponin can promote the synthesis of phosphoric acid, improve the activity of lipoprotein lipase, accelerate the hydrolysis of fat and chylomicra in blood vessel, thus to quicken metabolism of lipids. Ginseng can increase the evacuation of cholesterol from stool, promote the conversion of cholesterol in blood, and lower cholesterol level in blood. Therefore, ginseng has certain preventing and treating effects against some senile diseases such as hypertension, arteriosclerosis and coronary diseases, etc.

-

(7) Adjust endocrine and lower blood sugar

Just Natural Immune Boost can promote the complete utilization of sugar in tissue end by adjusting endocrine and improve insulin level in blood, thus to regulate blood sugar, and it can alleviate diseases induced by endocrine disorder, such as menopausal syndrome, etc. Ganoderma spores have obvious hypoglycemic activity. First, feed the mice with tetraoxypyrimidine which can damage islet cells, increase the blood sugar of mice, then feed the mice with ganoderma extract, and the results demonstrate that, the blood sugar in mice blood is lowered by 30%-60%.

-

In the capsule, ginseng can improve the utilization of sugar, promote the metabolism of sugar, resist lipoclasia, recover the sugar resistance of diabetics. In the clinical observation, it is found that Just Natural Immune Boost can improve general conditions of diabetics, and decrease urine glucose in light diabetics. For severe case, though it can not alleviate hyperglycemia, it can improve the general conditions. After some patients use the capsule, insulin dose can be decreased, and the time of lowering blood sugar will be prolonged.

-

(8) Regulating digestive functions

Just Natural Immune Boost can adjust digestive system, strengthen absorption and improve appetite, and it has very good effects on functional disorders of stomach and intestine, such as dyspepsia, anorexia, loose stools and constipation, etc.

-

(9) Moistening lung to relieve dyspnea

Just Natural Immune Boost contains very rich Ganoderma acid and base, while panaxsaponin can inhibit the release of histamine, alleviate the bronchial spasm, and exert the effects of relieving cough and eliminating phlegm, and it is especially suitable to patients with chronic bronchitis, asthma and chronic pneumonia.

-

(10) Anti-anaphylaxis

It is indicated in experiments that, Just Natural Immune Boost can block the release of allergic mediators, and prevent the development of allergic response. Therefore, for the allergic or autoimmune disorders currently difficult to treat, such as allergic asthma, lupus erythematosus, nephritis, allergic rhinitis, allergic bronchitis and various refractory skin diseases, it all has a good effect, and it can work against the toxic and side effects induced by long term application of hormones.

-

(11) Adjusting the function of thyroid, and adjunctively treating hyperthyroidism

If Just Natural Immune Boost is combined when routine drug administration is applied during hyperthyroidism, and activity of thyroid peroxidase antibody (Anti-TPO) can be inhibited. It can decrease the damage on thyroid follicle induced by TPO, stabilize the release of thyroid hormones, thus to stabilize the function of hypothalamus-pituitary-hypothyroid axis.

-

5. Indications of Just Natural Immune Boost

-

5.1 Chronic fatigue syndrome

Chronic fatigue syndrome is the syndrome with chronic or recurrent extreme tiredness lasting for more than half a year as the major characters. Its clinical symptoms are complicated, which mainly includes the functional tiredness of cerebral nervous system, cardio vascular system and skeletal musculature system, such as dizziness, heaviness of head, somnolence, poor appetite, panicky, short breath, hypodynamia, lower limb heaviness, or the patient may even feel difficulty when climbing stairs, and it is hard to take strides.

-

5.2 Sub-healthy state

Definition of sub-healthy state: sub-healthy state is a new concept, which indicates the unhealthy state that with not definite etiological factor or finally diagnosed diseases, such as dizziness, lightheadedness, poor appetite, fatigue, panicky, short breath, insomnia, dreaminess, forgetfulness, some patients may feel not good vigor or they yawn continuously, etc. The doctors say that there is no good solution to sub healthy state. The Just Natural Immune Boost has good effects on this condition.

-

5.3 People with decreased immunity, easily catch cold, diseases, or cold difficult to cure

Just Natural Immune Boost can be applied to populations who catch cold or diseases easily, or who are difficult to cure after cold. The drug has outstanding and unique effects, and this can be explained in two aspects, In TCM theory, it is believed that the drug ingredients can strengthen with tonics and nourish renal Qi, and western medicine believes that it can improve immunity. ,

-

5.4 Inhibiting tumor

When combined with other therapeutic methods, the drug can prevent treat various tumors, cancers, especially the patients after radiotherapy, chemotherapy or surgical operations. These patients have weak body, and they worry that tumors may relapse, and they have symptoms such as leucocytopenia, alopecie, decreased appetite, unformed stool or loose stool. Just Natural Immune Boost is most suitable to these patients, and the effect is very obvious.

-

5.5 Resisting radiation damage

In modern society, electromagnetic radiation exists in anywhere, and it is demonstrated in study that, Just Natural Immune Boost has very good effects for preventing electromagnetic radiation damage.

5.6 Beautifying, nourishing facial region and resisting senility

With the increasing of age, skin wrinkles gradually increase, especially for women, they have more and more skin wrinkles, lowered elasticity, pigment deposition and chloasma faciei, etc. While Just Natural Immune Boost has effects of beautifying, nourishing facial region and resisting senility, so it has certain effects for this condition.

-

5.7 Excessive contemplation and neurasthenia

5.8 Various chronic liver diseases

Just Natural Immune Boost has good effects against common liver diseases such as chronic hepatitis, fatty liver, alcoholic liver disease and cirrhosis, etc.

5.9 Sclerosis of cardio and cerebral blood vessels, coronary disease, arrhythmia, hyperlipemia and hypertension.

5.10 Hyperglycemia and diabetes

(1) Increased fasting blood glucose, the fasting blood glucose is relatively high in examination, but not efficient to diagnose as diabetes.

(2) Decreased sugar tolerance, fasting blood glucose is normal or abnormal, the blood sugar in sugar tolerance test is high, but not efficient to diagnose as diabetes.

(3) Diabetes, fasting blood glucose or postprandial blood sugar is increased, and the standards of diabetes are met, and the patients have diabetes symptoms.

5.11 Poor digestive function

Chronic gastritis and poor digestive function are common. Clinical manifestations: epigastric pain, bloating, belching, regurgitation, poor appetite, heartburn, hiccup, nausea and unformed stool, etc.

-

5.12 Chronic bronchitis and asthma

5.13 Skin hypersensitiveness, allergic rhinitis

Just Natural Immune Boost can be applied to allergic asthma, lupus erythematosus, nephritis, allergic rhinitis, allergic bronchitis, and various refractory skin diseases, etc., and the effect is good. The capsule can also resist the toxic and side effects emerged when hormones are administrated for some diseases for long term.

-

5.14 Adjunctive therapy of hyperthyroidism etc.

It can be especially applied to patients with hyperthyroidism after administration of chemicals, operations or radiotherapy, when the functions of thyroid are not stable. Sometimes the thyroid functions are over active, but hypofunctions mostly exist, and Just Natural Immune Boost can be applied to stabilize the thyroid functions, and the effects are good, which may be related to the wide adjusting effects of Just Natural Immune Boost.