

TIENS Cell Rejuvenation Capsules □ Beneficial □

I. Relevant fundamental knowledge

Along with the consistent progress of the society and the further improvement of people's livelihood, our people witness a great improvement in their meals and nutrition. And meanwhile, another social problem also occurs, namely, "Wealth and Aristocrat Diseases" are becoming more and more popular among the common people, and the "Three-Hyper" diseases (hyperlipidemia, hypertension, hyper blood sugar) as a topic are also gaining more and more attention. The "Three-Hyper" diseases are closely connected with the occurrence of cardio-vascular disorders.

Statistics show that the incidence of chronic diseases among residents across China is in a momentum of rapid increase. The major figures are as follows: The incidence of hypertension is 18.8%, and the national patients are estimated to be 160 million currently; the incidence of diabetes among adults is 2.6%, and the national patients are estimated to be more than 20 million at present; the incidence of lipid abnormality is 18.6%, and the current patients across China are estimated to be 160 million. Cardio-vascular diseases have become No.1 Killer of Chinese health. TIENS Cells Rejuvenation Capsules are firstly applicable to the patients of cardio-vascular disorder and "Three-Hyper" diseases. Various components of these capsules could play their roles in a concerted manner, reduce the content of malignant lipid in blood and blood viscosity and improve the microcirculation to treat cardio-vascular diseases, regulate blood pressure, blood fat and blood sugar.

□ Relevant story □ The prime raw material of TIENS Cells Rejuvenation Capsules is Gynosaponins. Gynostemma Herb, also named Seven-Leaf Herb, is a perennial herbal vine plant in the cucurbitaceous family. Its name was originally recorded in the pharmacopoeia *Materia Medica for Famine* by Zhu Di in 1406 AD, the fourth year of Jiaqing's Reign, Ming Dynasty. According to modern medical science, the herb is a multi-functional health protection medicine with the role of ginseng but without the side effect of the latter, so it is titled to be the

“Champion of the Four Health Protection Products of the World”. Now it has been confirmed that this herb is rich in ammonia and microelements. Besides its prime component Gynosaponins, it contains another 81 saponins favorable for human body. The herb is a Panaxadiol compound.

Relevant story Gynostemma Herb is called “Blessed Herb” in Japan and “Beauty Goddess”, “Heal-All for Hundreds of Diseases” in Singapore and Malaysia. Since it functions to reduce cholesterol, stabilize blood pressure and inhibit obesity, it is also called “Cleaner” for blood vessels. It is also called “South Ginseng”, “Five-Leaf Ginseng” in China or “Longevity Ginseng” in folk saying. It mainly grows in Xishuangbanna, Dehong, Simao and other prefectures, in which the counties in Dehong Prefecture have the richest resource. This herb had been widely utilized in the folk circles in ancient China, and it was in the past three decades that it scored a global fame as a “Miraculous” “Longevity Herb”. In the 1970s, a Japanese scholar happened to find the Ginseng active elements in the herb when he tried to abstract sweet elements therefrom, hence the discovery of a century.

II. Main ingredients and efficacies of the product

1. Main ingredients of the product: Processed with gynosaponins, tea polyhenols, β —Carotene, Vitamin C and other raw materials.
2. Efficacy of the product: TIENS Cells Rejuvenation Capsules are a kind of health care product specially for cardio-vascular health, whose effect comes from the concerted functioning of their major raw materials.

1 Gynosaponins:

Traditional Chinese medicine holds that the Gynostemma Herb functions to relieve internal heat, increase energy flow inside human body, and reduce cough and phlegm with its natural cold-fighting qualities. Modern pharmacology studies have shown that this herb could regulate blood fat, sugar and pressure, improve the quality of coronary arteries and cerebral blood flow, fight against senility and fatigue, increase immune capacities, soothe

nerves, relieve inflammation and pain, as well as fight the formation of ulcers. The gynosaponins contained in this herb prevent the coagulation of haemoblast cells, prevent arteriosclerosis, provide adequate nutrition for cells, ensure smooth blood flow, and reduce the incidence of cardiovascular disorders in the same way that ginseng saponins do. But this herb also contains other saponins different from those of ginseng, which make it effective in soothing nerves and nourishing the blood to cure *Yin* deficiency.

It is well known that iron would rust after putting in air for long, which is called oxidation chemically. According to the same principle, each organ of human body may also “rust” owing to the oxidation by a material named free radical, which may lead to many than one disease and accelerate the ageing process. Besides directly providing nutrition for cells, Gynostemma Herb could also resist the damage of free radicals against cells so as to safeguard the regular metabolism of cells and ensure smooth blood vessels from one aspect. In addition, this herb could also regulate the waste produced by oxygen after its decomposition inside human body---fatty acid—to reduce blood fat. Experiments also prove that this herb could reduce the resistance in cerebral blood vessels and coronary ones, increase the blood flow in coronary arteries and reduce oxygen consumption of heart, which surpass those functions and effect of ginseng saponins. At the same time of reducing blood pressure, this herb does not impact the flow of cerebral blood vessels, so it is wholesome for the patients with hypertension, cardio blood vessel convulsions and incomplete cardio functions.

Generally speaking, the following three functions are the most remarkable among the manifold functions of Gynostemma Herb: preventing cardio blood vessel disorders, regulating immune capacities and strengthening body (fighting against fatigue and oxygen deficiency). In addition, this herb is equipped with the effect of ginseng but without the side effect of the latter, and its effect is milder than that of ginseng. It could also play an accessory role in preventing and curing arteriosclerosis, hypertension, obesity, stroke, diabetes, bronchitis, chronic hepatitis, gastritis and other diseases. It is worth our special attention that this herb could resist the variation of genetic material DNA, bring the

self-recuperation capacity of cells into full play, enhance the recovery of cancer cells, prevent reoccurrence and transfer of tumor, inhibit the proliferation of almost all cancer cells and strengthen the immune capacities of patients, hence it is called a New Anti-Cancer Star.

2□Tea polyhenols:

The application of tea has been one thousand year old owing to its function of easing thirst and more importantly, its manifold health care and protection effects. The latter is decided by the specific chemical flavonol compound contained in it—tea polyhenols. Modern medical sciences have prove with clinic practice that tea polyhenols, an effective component abstracted from fresh tea, has the most striking feature of efficiently eliminating free radicals. It is also confirmed by modern medical sciences that the reason of senility is the change of free radical contents in tissues, and such a change may damage cell functions and accelerate the ageing process of body. Tea polyhenols could improve the integration of protons and free radicals and eliminate the damage of superfluous free radicals with its own oxidation process, hence it could protect oxidizable constituents from oxidization, maintain the activity of cells, improve the immune capacities of body and delay the ageing process. Studies show that the anti-oxidation capacity of tea polyhenols is dramatically superior to that of Vitamin E, and it could strengthen the effect of Vitamins C and E. This substance could also stimulate the changes of activity of antibodies by increasing the total quantity of immunoglobulin and maintaining it at a high level, hence it could improve the total immune capacity of human body and enhance the self-regulating capacity of human body.

Tea polyhenols could strengthen the tenacity and osmosis of capillary vessels, improve the resistance capacities of vessels and reduce the contents of cholesterol and triglyceride in blood with rather strong anti-coagulating, fiber-dissolution-enhancing and anti-haemoblast concentration capacities, so that it could help prevent arteriosclerosis, reduce blood pressure and prevent thrombus. It could effectively strengthen the anoxia-enduring capacity of cardiac muscles if it is taken for a long time. In addition, tea polyhenols could regulate the

hindrance against the sugar metabolism inside human body, reduce the level of blood sugar and hence effectively prevent and cure diabetes. Most of the existing fat-reducing and thrombus-resisting medicines are not suitable for taking for long owing to certain extents of toxic or side effects, while tea polyphenols is the natural chemical component with such functions in tea and is equipped with the anti-oxidation feature, which make it a new favorite in the health protection industry.

3□ Vitamin C and β - Carotene:

Vitamin C is a water-dissolvable element widely existing in fresh vegetables and fruits. It could strengthen the resistance of cells against viruses, prevent cold and other respiratory diseases, help prevent cancer and blood vessel embolism and delay the ageing process, so it is taken as the most healthy, anti-oxidation and even cancer-preventive vitamin. β -Carotene could strengthen the digestion, prevent ageing, improve the capacities of antibodies and enhance metabolism. Just like Vitamins E and C, this carotene is also a kind of anti-oxidation vitamin capable of eliminating free radicals inside human body. The concerted functions of β -Carotene and Vitamin C could endow human body with a strong anti-oxidation function, and they are strong in resisting aggressive free radicals and protecting the regular metabolism of human body cells. β -Carotene could be transformed into Vitamin A inside human body, while the possibility of catching stomach cancer or lung cancer is rather high when the human body lacks Vitamin A. The possibility of catching such cancers in those with Vitamin A deficiency is seven times higher than that in healthy persons. The two elements could work together with gynosaponins and tea polyphenols to build up another safety screen for your cardio-vascular blood vessels, which plays an importance role in preventing blood vessel sclerosis, cardiac infarction and senility.

3. Major functions of TIENS Cells Rejuvenation Capsules:

1□ Reducing the contents of malignant lipid in blood and curing cardio-vascular diseases;

2☐Reducing blood viscosity, inhibiting the coagulation of haemoblast cells and improving the microcirculation;

3☐Preventing and treating diabetes;

4☐Fighting against oxidation, eliminating free radicals and delaying senility;

5☐Strengthening the immune capacity of human body and preventing tumor;

6☐Strengthening the anoxia-resisting capacity of human body and ensuring abundant physical force.

III. Target customers and edible method

1. Target customers:

Patients of hyperlipidemia and cardio-vascular diseases

Those with hypertension

Patients of diabetes

Those with high-fat or high-protein meals for long

Those weak persons with low immune capacity, vulnerable to cold

Those with tight work rhythms who often feel fatigue

2. Edible method

Three times per day and four tablets per time, nothing is forbidden when taken with other medicine or healthy food. Nourishing but not dry, this product is suitable in every quarter of a year and for long.

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