

The Role of SeaCare in Boosting Immunity and Cancer Therapy

A combination of sea cucumbers, sea urchins, and marine grasses as found in SeaCare dietary supplement may not be the first immune booster that comes to mind when patients are looking for safe and effective methods of boosting their immune system, but extracts of sea cucumbers have been used for thousands of years in Asia and the Middle East for their health benefits including anti-inflammatory properties, immunostimulatory functions, and cancer management. Given that sea cucumbers have shown efficacy in boosting and fixing the immune system, as well as [preventing and treating cancer](#)¹, they have been studied extensively in the USA to understand and harness not only their full nutritional value, but also the entire spectrum of their health benefits. And the results have been promising.

SeaCare And Immunomodulation

We are constantly exposed to germs such as bacteria, virus, fungi, and other toxins that weaken our [immune system](#)² and subsequently lead to infections. These pathogens tend to thrive most in our bodies when our immune system is weakest. Typically, at first exposure to any infectious germs or toxins, our body recognizes that there is a problem and prepares our defense fighter cells to protect us. If our immune system is functioning optimally, the body often does a good job of destroying and eliminating the invading pathogen. If on the other hand, a patient has any of the conditions classified by the National Institute of Health (NIH) as [disorders of the immune system](#)³ including cancer, autoimmune diseases (like multiple sclerosis, lupus, psoriasis, rheumatoid arthritis), immune deficiency, severe allergies, and severe blood infections, the likelihood of putting up a strong defense against germs is severely reduced due to a compromised immune system. Patients who fall into any of these groups often times end up with more severe infections with longer duration when they do get sick. Boosting our immune system especially for immunocompromised patients, improves the chances of our body fighting off germs more effectively.

SeaCare is a non-toxic, all-natural immune support supplement that enhances the immune system which in turns makes the body more resistant to infections. It also reduces our chances of getting worse from complications of pre-existing medical conditions or medical treatment like chemotherapy. The three extracts in SeaCare - sea cucumbers, sea urchins, and marine grasses - have been shown to contain several immune boosters including [vitamin A](#)⁴ and [vitamin C](#)⁵. Vitamin A is a powerful anti-inflammatory agent that regulates and controls the body's defense mechanism so it functions properly when we get infected by germs. Vitamin C, also known as ascorbic acid, stimulates our cells to produce our fighter defense cells when needed as well to boost our immunity.

SeaCare and Cancer Therapy

There are a few sea cucumbers supplements available including a product very similar to SeaCare, TBL-12. TBL-12 is made from the extract of the same sea cucumber as SeaCare (bêche-de-mer or gamat), and was the first natural product approved by the Food and Drug Administration as a treatment for multiple myeloma, a type of blood cancer.

In 2012, TBL-12 was granted an [orphan drug indication](#)⁶ for multiple myeloma which means that it was approved to treat, prevent, or diagnose multiple myeloma. This approval was based on several clinical trials conducted in leading USA hospitals including [New York University Comprehensive Cancer Center](#)⁷, and [Mount Sinai Hospital](#)⁸ which showed that the anti-cancer property of TBL-12 was due to the active extracts of marine life including sea cucumber, sea urchin, and sargassum marine grass. TBL-12 has also been researched for gastrointestinal, prostate, and cervical cancers and is currently under study for certain types of aggressive brain cancer. So far, the results have been promising for patients.

Frondoside A, an active compound in sea cucumber extract plays an important role in preventing and treating cancer. Frondoside A is known to [activate apoptosis](#)⁹ which is the process of the cell shrinking and dying away and resulting in the removal of old and unwanted cells like cancer cells. Sea cucumbers also fight disease-causing changes that can lead to cancer, thereby offering a double-

approach to immune-boosting since the immune system also functions to protect us against changes in our cells that can lead to cancer. Thus, sea cucumbers kill off certain cancer cells but also reduces the risk of those cancers forming in the first instance. Apoptosis can occur in several ways but the end result is cell death for unwanted cancer cells.

Given that sea cucumber extract as found in TBL-12 and SeaCare have been shown to boost immune system while preventing and treating certain cancers like multiple myeloma, it is an effective supplement for patients suffering from cancer as it is 100% natural, non-toxic, non-invasive and will not add to the already toxic side effects of cancer treatments. Sea cucumber extract, sea urchins, and marine grasses, in the right dose and formulation will enhance the immune system to reduce as well as make the side effects of chemo treatment more tolerable, help immunocompromised patients manage their diseases better, and enhance overall quality of life of patients.

REFERENCES

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