

Importance of Research to Stimulate the Effectiveness and Efficiency of Lymphatic System

Zhiyu Liu Luwan Wei

Lymphatic research Center of Shandong University School of Medicine, Jinan, Shandong, 250012, P. R. CHINA

In recent years we have paid more attention to the research of lymphatic system. Recent progress in developing the molecular biology, the immunology, the oncomolecularbiology and so on which drives the development of lymphology.

However, we ignored the lymphatic system: a key immuno-defensive system of human beings for a long time. We have made some evident mistakes in elucidating the physiological mechanism and pathomechanism of human body. That is why we could not explain some diseases definitely and treat them effectively.

We have found the method to activate the lymphatic system and augment the motivation of lymphatic recirculation, that will enhance the autospecific immunologic function and recovery efficiency of human body.

Lymphatic system contributes for human body to defend, destroy and remove all kinds of causative agents including bacteria, virus, cancer cells, extraneous materials and metabolic waste made in tela and so on. Lymphatic system distributes throughout the human body, approximately paralleling to capillaries and veins. The main motivation of lymphatic recirculation is the alternation of osmotic forces resulting from protein extravasation.

More recently research indicated that we can cure many kinds of common diseases and stubborn diseases by regulating the lymphatic tissue osmotic forces in pharyngo-oral cavity. This method acted effectively for much more kinds of common diseases, and had fast and satisfactory therapeutic effect. We have cured many diseases which could not be treated effectively by traditional methods, and enable patients to get rid of long-term indisposition of sickness.

But in modern medical study, we ignored the research of lymphatic system, especially in research of function of lymphatic microcirculation and lymphatic

return kinetics. There are ten thousands of research institutes dealing with blood-vascular system in the worldwide but few institute is engaged in research of lymphatic system speciality. When we questioned experts in various fields: what is the recirculation motive of lymphatic system? Many of them could not answer or answer exactly the question embarrassedly. In the special subjects of medicine, the important role of lymphatic system in humans organs is also been ignored. For example, we analysed the abundant vessels and nerves elaborately in ophthalmological articles, but did not mention the abundant lymphatic vessels likewise in a word. It seemed that they did not exist at all. Furthermore, we never considered whether some ophthalmological diseases of unknown aetiology were concerned with the failure of lymphatic return.

Of course, this condition results from various aspects of cause: firstly, the lymphatic vessel is small, and the color of lymph fluid is too similar to tissue fluid nearby to identify; secondly, although we pay attention to the objectivity in our study, yet our test facility is still crude relative to the complicated human body; in spite of macroscopic cognition of human body, we pay too much attention to the details. In addition, the economy and profit is also a key factor.

Our research indicated that the pathogenesis of many diseases were concerned with failure of lymphatic recirculation in human tissues. This failure occurs in the state of repeating infection and injury, defatigation and tension, environmental pollution and aging. Under this circumstance, large causative agents pile up to obstruct the lymphatic vessels, to damage the tissues and organs, even lead to canceration.

We appeal to more attention to research of this field, and make efforts to overcome the problem to contribute to the development of medical science. We also

hope it can benefit all the world early.

Correspondence to: M.D, Professor. Zhiyu Liu

Lymphatic Research Center

Shandong University School of Medicine

Wenhuaxi Road 44#, Jinan, 250012, China

Tel/Fax: 0086-531-88382573

Email: lymph@sdu.edu.cn

Website: www.lymph.sdu.edu.cn