

III. Herbal Medicines For Injection

In history, Chinese have made 5 major inventions to the world civilization. 1) Chinese herbal medicine for effective treatment of variety of chronic diseases and tumors, 2) Gun powders for the development of rockets and space science, 3) Navigator for sailing on ships and airplanes, 4) Manufacture of papers, and 5) Printing technology.

Herbal cancer therapy comprises a number of alternative treatments in the fight against cancer. As early as more than 3,000 years ago, Chinese doctors had used herbs in treatment of cancer patients. Chinese medicine has been used widely in Japan, Korea, India, and South East Asia countries since long time ago.

According to the reliability of therapeutic effects, Chinese medicinal herbs divide into 3 main categories. The first is the Classical Medicinal Herbs, including approximate 265 kinds of medicinal herbs and plants and a few of medicinal minerals that have been identified by scientific works and proven by clinic studies. The second is the folk herbs (folk experienced recipe herbs) that have approximately 600 sorts of herbs. The third is the hi-tech made herbal medicines, the concentrated herbal extract, which is 5 to 10-fold more effective than their raw materials.

From the modality of administration of herbal medication, anti-cancer herbal medicines are herein classified into 3 groups, including take by mouth, topical use and injectable preparations (not available at our HCC and HMC).

Since 1990, a research group of hi-tech herbal medicine directed by Dr. David Liu has conducted many studies on herbal treatments in chronic diseases and tumors. We have screened all of 66 sorts of anti-cancer medicinal herbs using our unique techniques, including identify and analysis of ester-soluble active ingredients, ethanol-soluble active ingredients and hydrate-soluble active ingredients in each potential anti-cancer medicinal herb or plant.

We have demonstrated that LDL-110 anti-cancer herbal active ingredient is 6-fold powerful than chemotherapy drug mitomycin in killing 14 types of human cancer cell lines in tissue culture, including 3 types of breast cancer and cancer of prostate, 4 types of lymphoma, 2 types of leukemia and melanoma, and 2 types of colorectal carcinoma. Furthermore, clinic studies have shown LPY-80 herbal capsule is a high potent broad-spectrum anti-leukemia and lymphoma herbal remedy. More importantly, both LDL-110 anti-cancer herbal capsules and LPY-80 anti-leukemia-lymphoma herbal capsules are convenient and safe to patients, they are available in capsules which are taken by mouth and are free of side-effects if clients follow the service directions.

The below descriptions are commonly used Chinese anti-cancer herbs that have been investigated, identified, tested, and clinically proven in over hundred thousand patients every year in China. These herbs are allowed to be used as herbal supplements in the USA.

One should understand that a single herb or a single herbal extract may only give little anti-cancer therapeutic effect when it is used alone. However, when several

herbs or herbal extracts scientifically formulated together will result in highly effective anti-cancer recipe and the side-effects of the formulated herbs would be attenuated, minimized or neutralized. For example, when Glossy Privet fruit is used alone, it may give about 20 to 30% anti-cancer efficacy in some patients with leukemia or lymphoma and it may cause some adverse effects as well. However, our experience indicated that Glossy Privet fruit combines with Milkvetch root herb and others that may attain 90% anti-cancer efficacy and brings about 10% side-effects. Therefore, a correct herbal therapy regimen is not a simple accumulation picking several kinds of anti-cancer herbs together. Self-prescription of herbs by clients is not advised that may be harmful or even fatal.

For cancer patient, this chapter is a good self-education booklet and reference from which patients will understand what anti-cancer herbal treatment is.

For cancer patient, you need always consulting your primary care physician or herbal specialist before you use any anti-cancer herb or herbal product. Particular attention should be paid to whom the below herbs are not for use in children under 18 of age. Safety during pregnancy and in lactating mothers has not yet been established. The HCC and HMC will not take any legal responsibility to one who has used raw herbal materials or herbal remedies from the outside resources of our facilities.

The FDA Regulations: Although these anti-cancer herbs, herbal supplements or herbal remedies are clinically proven high potent for patients with malignant tumor, cancer, leukemia and lymphoma in China and other countries, according to the USA-FDA regulations of herbal supplements, each of the below described herbs or herbal remedies is labeled as "This statement has not been evaluated by the FDA. This product is not intended to diagnosis, treat, cure or prevent disease".

Camptotheca Acuminata



Camptotheca acuminata is one of the Nyssaceae family members and it is native only to China and Tibet, where it is known as Xi Shu ("happy tree"). Its primary anti-cancer ingredient is a quinoline alkaloid called camptothecin, which in turn has been modified to create a group of new anti-cancer drugs, including irinotecan, topotecan, 9-aminocamptothecin, and CPT-11. Camptothecin and these analogs are being investigated to treat a variety of cancers, but the compounds are quite toxic, and only topotecan (Hycamtin®) and irinotecan HCl (Camptosar®) have met with the FDA approval; Hycamtin® has been approved for ovarian cancer therapy, and Camptosar® is approved for metastatic colorectal cancer.

Western researchers (Dr. Monroe E. Wall and Jonathon Hartwell of the National Cancer Institute) first discovered anticancer properties of Camptotheca in 1958. In 1966 camptothecin was isolated. A camptothecin analog (camptothecin sodium) was tested on gastrointestinal cancer patients in the early 70's, but the clinical trials were discontinued because the patients had severe side effects. In China, camptothecin has been used in the treatment of leukemia and cancers of the stomach and liver.

Injectable preparations of Camptotheca and camptothecin are using in China but they are not available at the Herbal Cancer Center and Herbal Medical Center in Boston.

Catharanthus Roseus



Traditionally, *Catharanthus roseus* has been used in folk medicine to treat diabetes and high blood pressure. *Catharanthus roseus* has function of diureses.

During the 1950s, however, *Catharanthus roseus* was discovered to contain a number of chemicals in the alkaloid class. Alkaloids are bitter-tasting plant compounds that contain nitrogen. Many of them have pain-relieving or anticancer properties. At least two of the alkaloids in *Catharanthus roseus* (vinblastine and vincristine) have been isolated and developed into prescription anti-cancer drugs.

These injectable drugs and their derivatives (such as vinorelbine) interfere with the division of cancer cells. These drugs should only be used by licensed medical professionals in the USA.

Using vinblastine and vincristine in combination chemotherapy has resulted in 80% remission in Hodgkin's disease, 99% remission in acute lymphocytic leukemia, 80% remission in Wilm's tumor, 70% remission in gestational chorioarcinoma, and 50% remission in Burkitt's Lymphoma.

Synthetic vincristine, used to treat leukemia, is only 20% as effective as the natural product derived from *Catharanthus roseus*. Further research is needed especially on bioactive compounds, means of preparation, and effectiveness of plants and herbal remedies. (From Duke, J.A. Handbook of Medicinal Herbs.1985; Magic and Medicine of Plants.1993).

Catharanthus roseus extract and vinblastine and vincristine are injectable herbal preparations that are not available at the Herbal Cancer Center and Herbal Medical Center in Boston. For more information consult your primary care physicians.

Taxus Cuspidata



Taxus cuspidata grows in China (东北红豆杉), Japan, Korea and Manchuria, where it grows to 50 feet tall. In North America, it is usually grown as a compact, spreading shrub.

Studies have shown that *Taxus cuspidata* contains the substance 'taxol' in their shoots and bark. Taxol is a broad-spectrum anti-cancer chemotherapy drug in Western medicine for treatment of cancer of breast, uterus, ovary, kidney and lung. This drug is toxic; even it is surface used or topical used. It therefore should be only used under the supervision of a licensed medical professional. For more information consult your primary care physicians.

Taxus cuspidata and Taxol are injectable medicines that are not available at the Herbal Cancer Center and Herbal Medical Center in Boston.