

# Theoretical Study on the Treatment of Non-Small Cell Lung Cancer by Invigorating Spleen and Invigorating Lung and Tongfu Organs

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## Abstract

Through the review of relevant literature, theory and practice, consultation with the teacher. To explore the mechanism of invigorating spleen, invigorating lung and tongfu in the treatment of non-small cell lung cancer after postoperative radiotherapy and chemotherapy. The method of invigorating spleen, invigorating lung and tongfu organs is actually a dialectical combination of the theory of “cultivating earth and producing gold” and the theory of “using the six organs as a whole”, which has considerable curative effect. The method of invigorating spleen, invigorating lung and tongfu can improve the overall internal environment of the body, improve the quality of life and prolong the survival period for patients with non-small cell lung cancer after postoperative radiotherapy and chemotherapy.

**Keywords:** invigorating the spleen, invigorating the lungs and Tongfu organs, the earth begets gold, six organs to pass for use, non-small cell lung cancer

## 1. Parenchyma of Non-Small Cell Lung Cancer

Lung cancer in traditional Chinese medicine, belongs to the lung volume, etc., the onset of the total belong to this virtual to real, with empty to, treatment at the same time pay more attention to tonify deficiency in dispel pathogenic poison, Xie JianGuo think overall for tumor patients, such as partial evil, and lung and charming dirty, trapped in the lungs, treatment should be righting to eliminate pathogenic, rather than to simply fill empty eliminate pathogenic (Zhu Guiying, Wang Kai, Yang Ying, Liao ShiYao & Wang ChangMiao, 2020). Lung for gold in the upper energizer dirty, dirty, spleen belong to medium for soil for native gold, lung mother for spleen, lung, spleen son for physiological interoperability, building up gas can be lung, lung guys can be real temper, closely connected to lung and spleen physiology, pathology, influence each other, lung disease, stolen child mother gas, will cause the spleen soil loss, the condition of pixu (spleen deficient) person will aggravate the lung itself. The diseases of the two zang organs are often related and affect each other. Therefore, in clinical non-small cell lung cancer patients with Qi and Yin deficiency, lung and spleen deficiency and other syndroms, can be used to “soil to produce gold method”, play the effect of spleen and lung. The large intestine and the lung belong to gold in the five elements, and the large intestine meridian of the hand Yangming and the lung gold of the hand Taiyin interact with each other, forming the relationship between the surface and the inside. There is a great correlation between the descending of the lung and the conduction of the large intestine. The descending of the lung qi can help the Fu Qi pass through the dregs, which is beneficial to the conduction of the large intestine (Wei fengqin, 2011). If the lung is diseased, the promotion and descending function is dysregulated, and the large intestine conduction is lost (Yu Hongjie & Zhu Yanwei, 2013), the stool is confused and difficult to descend. At this time, the pathological condition of the lung can be improved by passing the Fu qi through the stool, and the lung qi can be reached freely, so as to dispel the disease and restore the normal physiological

performance of the body. Professor Li Renting believes that “Tongfu method” does not simply reduce the qi of the intestine and fu organs, and the six fu organs are used for tong. In fact, it contains theoretical treatment methods such as soothing the liver and gallbladder, improving the Qing and lowering the turbidity, and lowering the stomach reverse and eliminating accumulation and turbidity. The conduction performance of the large intestine depends on the clearing and descending of the lung qi. When the lung Qi is cleared and descending, the air of the large intestine will also fall, so as to display its conduction function and make stool discharge smooth (Gao L, 2011).

## **2. Study on Anti-Tumor Mechanism of Invigorating Spleen and Invigorating Lung and Tongfu in the Treatment of Non-Small Cell Lung Cancer**

Traditional Chinese medicine in our country to realize the formation, development of lung cancer pathogenesis always vital qi is deficient, (Miao W H, 2017) disharmony between Yin and Yang, viscera function disorder, disorder of qi activity, and qi stagnation, blood stasis and resistance, TanNing evil (Shen Cheng (Huo Hui), 2005), and hair for cancer fighting each other, the whole lung cancer is a deficiency disease, caused by virtual reality, the body is virtual, local conditions of the true (Zheng Zuohuan & Ju Baozhao, 2014). Locally advanced NSCLC patients to cough, dry cough without phlegm, or a few white mucus, or blood in the sputum, chest pain chest tightness, shortness of breath, poor appetite, muscle weakness, angular, defecate or adverse move bowels impassability, tongue thick dark moss, pulse heavy fine dry as the main clinical symptoms, dialectical to lung two virtual or gas Yin deficiency of spleen, the virtual strain is given priority to, appropriate spleen profit lung, supporting. Complementing the day after tomorrow to nourish a priori, effectively improve the patients with lung cancer by the environment, Li Renting teachers thought of traditional Chinese medicine treatment is mainly the environment in the body and regulate tumor patients only the stability of internal environment, to maintain the body balance of Yin and Yang, human body immunity will also subsequently and increase, can resist invaded, which have the effect of anti-tumor, prevention of recurrence of tumor metastasis.

Professor Li Renting proved that the traditional Chinese medicine soil-producing Jin formula combined with chemotherapy has the effect of reducing toxicity and enhancing efficacy, which can improve the quality of life of patients and effectively reduce the inhibition of chemotherapy drugs on bone marrow (Li R T, 2009). Zheng Rongqiang flexible use of such as “ridging raw gold method” treat the post-operation relapse and metastasis in patients with lung cancer, curative effect is significant, symptoms significantly improved after three stages of healing, overall survival to extend, in order to nourish Yin, clear heat, fights detoxification, liver and qi as the method, evidence-based medicine, PET-CT check after April tip: middle mediastinal subpleural right lung metastases. During this period, the patient had repeated symptoms such as fatigue, poor appetite, etc., which was identified as deficiency of lung and spleen, and Sijunzi Decoction was used to add or remove. Four years later, chest CT showed no recurrence and metastasis, so the patient was treated according to syndrome differentiation and continued to take Buzhong Yiqi Decoction and other consolidation treatments, and there was no recurrence after multiple follow-up visits (Zheng Rongqiang, Feng Zhengquan, Zhang Xiaoqing & Jiang Bingmei, 2019). In the book of Medicine Jing Jing Yi, it is mentioned that the reason why the large intestine can conduct is that it is the lung organ. Lung air is transmitted, so it can conduct (Bai Min, Li Jianbing & Wang Shujie, 2012). Phlegm heat closed the lung, heat shifted the large intestine, heat evil decocted body fluid, stool constipation and impassability, so the treatment needs to add the method of Tong Fu (Chen Lizhu & Chen Jiekui, 2016). Professor Li Renting emphasized that the six Fu organs should be active rather than static. The occurrence of tumors is mostly caused by the five zang organs as virtual organs and the six Fu organs as solid organs. If the Qi of the six Fu organs is abnormal and Qi is obstructed, the visible evil qi cannot be removed, which causes the occurrence and development of tumors. It is emphasized that in the treatment of malignant tumors, the Fu organs and qi of patients should be kept unobstructed, so that the evil has a way, the whole body qi and Qi can be regulated smoothly, and Yin and Yang can be balanced (Cui Xuxu, Li Renting, Liu Lu & Zhu Yunhe, 2019). Professor Jia Yingjie believes that as lung cancer goes on for a long time, the toxic heat of chemoradiotherapy and the qi of the large intestine and the fu organs condensing each other, it is difficult to achieve an effect by simply promoting the lung and eliminating phlegm. Therefore, the upper disease and the lower disease are mostly treated by passing the fu organs and purging the lung to reduce the turbidity and cause the evil to appear (Shen Jie, Jia Yingjie & Li Xiaojian, 2010). Yang Shenglan et al. discussed the mechanism of Tongfu method to Tongfu and benefit the lung from multiple levels. Studies showed that Tongfu method could promote the repair of various lung damages, and confirmed that Tongfu prescription could promote the repair by relieving or regulating the interference of the large intestine in the state of solid heat stagnation on the function of lung purification (Yang Shenglan, Chen Rui, Li Daoben & Shen Lin, 2006). Li Ting (Li ting & Wang xuejiao, 2019) et al realize that the Cuqua is not only a cuqua relief, but also has the effect of removing Guan Chen Quyu, removing the Cuqua and renewing the Cuqua, improving the internal environment of the body, righting and leaving no evil, removing evil and not hurting the Cuqua, using and supplementing the Cuqua so as to achieve the goal of ququa Cuqua (Liu T J, Hou L Y & Zhou Z Y, 2003; Wen Xiaohong & Xiang Hongying, 2012). Huang

Liuliu et al. (Huang Liu Liu & Gao Hongfang, 2020) added Jianpi Yifei Xiaoji Decoction to the original GP chemotherapy regimen to observe the effect of combined traditional Chinese and Western medicine on the immune function and toxic side effects of patients with lung cancer undergoing chemotherapy. Finally, it was confirmed that Jianpi Yifei Xiaoji decoction can effectively improve the immune function of patients, reduce a variety of toxic side effects after chemotherapy, and help improve the clinical efficacy of chemotherapy for lung cancer patients.

### 3. Clinical Study of Invigorating Spleen and Invigorating Lung and Tongfu Organs

Chemotherapeutic drugs and other cytotoxic drugs have certain toxic and side effects, which can kill tumor cells and normal tissue cells at the same time, especially blood and lymphoid tissue cells that constitute the body's immune defense system. The destruction of the immune system of the human body, in terms of traditional Chinese medicine, is actually the destruction of the healthy qi of the human body, which is insufficient to resist the invasion of external evils (Ling Guizhen, 2009), then the tumor cells will spread and even may appear signs of recurrence and metastasis, causing serious consequences to the body. Chemotherapy drugs can be more or less affect the gastrointestinal tract, such as says, loss of appetite, nausea, vomiting, send the signs of digestive function damage, and spleen deficiency and dysfunction, spleen and stomach is of human origin of "the day after tomorrow", and taste for the "source of qi and blood biochemical", the whole body of qi-blood function of zang-fu organs are dependent on the feed, and qi-blood metaplasia and enrichment, It comes from the transport of the spleen, transport loss, dysfunction, lack of qi and blood source, lack of human healthy qi, evil easy to invade. But the lung itself has the evil invasion, dirty jiao force is weak, lack of qi and blood, without charge, characterized by cough and expectoration, less gas, lack of power and other factors, based on virtual, which underlying pathology is more heavy evil poison the susceptibility of lung, at this time to "method of riding raw gold", lung and spleen double repair, qi symbiosis, complementary with expectorant against evil, with spleen and lung expelling evil effect. Yin Dongfeng et al. (Yin Dongfeng, Zhang Ningsu, Xing Yuqing, Gao Hong, Zhou Ke & Liu Xin, 2002) studied the application of Fuzheng anticarcino Decoction, a traditional Chinese medicine preparation, to improve the digestive tract reaction and enhance physical strength after NSCLC chemotherapy. The decoction included ginseng, astragalus membranaceus, Hedyotis hepatis, Pinellia pinellia, bamboo ru and other traditional Chinese medicines, which proved to have obvious toxic and side effects in treating digestive tract during chemotherapy. Wang Huizhi et al. (Wang Huizhi, Dong Ju, Zheng Maogen & La Wanying, 2005) used Fuzheng mixture to observe the curative effect of reducing the side effects of chemotherapy in patients with lung cancer, adding or subtracting codonopsis pilosula, Astragalus, Atractylodes atractylodes, Poria cocos, Tangerine peel, Divinaria japonicum, Rhizoma muscari, Pinellia pinellia, Amomum amomum, persimmon root, Ophiopogon, Ligustrum lucidum, etc. By nourishing the stomach and spleen, nourishing qi and nourishing yin, it can improve hematopoietic and immune function, regulate gastrointestinal motility, reduce digestive tract reaction and optimize leukopenia.

### 4. Summary

To sum up, traditional Chinese medicine for the treatment of NSCLC was more embodies in nursing after surgery and radiation and chemotherapy, Li Renting teachers thought surgical blade injury caused by blood loss, pure blood less injury, not through the blood, and blood stream of arteries and veins, poor air line, for the blood handsome gas, the mother of gas as the blood, will form the qi and blood deficiency, systemic disorder of qi activity, or blood inverse chaos, Dysfunction of viscera function, Li Renting teacher believes that Qi deficiency and blood stasis is the pathological elements inevitably caused by the development of tumor to a certain stage, by strengthening the spleen and Tongfu organs, Qi and blood circulation, anticancer treatment, so that the body Qi, blood, is strong, the body is useful. For radiation pneumonitis caused by radiotherapy, nausea, vomiting, constipation caused by chemotherapy, and rash and diarrhea caused by targeted therapy, the treatment of traditional Chinese medicine plays a key role in the injury of tumor tissue cells themselves to the body's immunity. Jianpi Yifei Tongfu method can improve the overall internal environment of non-small cell lung cancer after postoperative chemoradiotherapy, reduce the toxic and side effects after chemoradiotherapy, improve life security, and prolong the survival time of patients.

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