

## **Sono-dynamic Therapy (SDT) Patient Questions and Answers**

### **1. What is Sono-dynamic Therapy (SDT)?**

*Sono-dynamic Therapy (SDT) is an upgrade of Photo-dynamic Therapy (PDT) which base on sono-sensitizer drug placed in tumor tissues and activated subsequently by ultrasound radiation. The sono-sensitizer will generate heat when receives energy from an ultrasound device, thus ultimately burns off tumor cells. This technology was first found in 1970's in U.S.A. Both photo-sensitizer and the therapy technology (PDT) has received FDA approval and is widely used for skin, throat and lung cancer treatment in US today. However, it never been approved for other cancers due to regulatory and other political reasons.*

### **2. Is Sono-dynamic Therapy (SDT) Safe?**

*SDT is a non-intrusive therapy without surgery or tissue damage despite of the fact that ultrasound can penetrate through human tissues and bones. At present, ultrasound is widely used for medical diagnosis in hospital for imaging. SDT uses same ultrasound device, but a higher power output (2 – 3 MHz). A patient will not feel any pain or discomfort during the procedure.*

### **3. How Long will a Sono-dynamic Therapy (SDT) Procedure Last?**

*A SDT is an out patient care procedure which normally starts with a doctor office visit and drug intake for day one/ Patient returns in day two for an approximately 3 to 4 hour treatment. Day three will be a doctor office visit with some evaluation test runs follow. The same procedure can be repeated for a small number of patients who have a need for a cleaning of cancer cells that were detected after the 1<sup>st</sup> SDT procedure.*

### **4. What are the Chemical Names for Sono-sensitizers used in SDT?**

*The most popular sono-sensitizers used in SDT program are:*

- (i) a homogeneous complex of oligomers of hematoporphyrin, Photofrin II*
- (ii) a gallium porphyrin complex, ATX-70*
- (iii) a hydrophilic chlorin derivative, A7X-S10*

The sensitizers can be admitted either by injection or oral in-take.

#### 5. How Effective is the WPCC Off-shore Sono-dynamic Therapy (SDT) Program?

The WPCC SDT off-shore program in China, commenced in 2014, have successfully treated over 50 patients with different types of cancer and received very good result. Despite the fact that the program is still relative new as it is in its 3<sup>rd</sup> year, it can be seen that there has more benefits than other treatments like surgery, chemotherapy, and gene-therapy by identifying cancer cells on molecular level and providing a thorough cleaning without affecting good cells. But there is no obviously evidence to proof how cancer can be fully cured or not. However, researchers for sure can tell us how it works nicely by less destroying good part of cells, tissues and patients' immune system while prolonging lives and raising cancer patients' life quality.

The SDT clinical trial has been approved by the Ministry of Healthcare and Planning (equivalent to FDA in US) and performed at Shanghai International Medical Center (SIMC), a joint venture with WPCC, a world class medical facility in the eastern suburb of Shanghai. Where most program staffs are US trained and facilities are managed up to US medical standard.

#### 6. How Can Patient Travel to Shanghai?

A patient will need to apply for a Chinese travel visa which most travel agents will be able to help. Please allow 3 weeks for processing. Patient will provide his/her latest medical record for a program admission evaluation, which will be conducted over email. Once patient is notified of acceptance, patient will book its international flight (excluded in medical payment).

Patient will be picked by program staff in Shanghai Pudong International Airport and checked in a VIP unit in the hospital or a 4 star hotel near by.

Program plan quoted to a patient by WPCC covers all medical services, drugs, lodge and city transport (excluding food).

#### 7. How will Medical Insurance Help in my SDT Program Plan?

*As we know, most of insurances in US do not cover this program. A check of full payment will be collected before travel. Install payment plan is available for patient with a financial difficulty. For more information please refer to our web site [wellpacific.org](http://wellpacific.org) or WellPacificCancerFoundation on facebook.*

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