

The Outcomes of Oncothermia with Chemotherapy for Far Advanced Lung Cancer

**Doo Yun Lee², Joon Suk Park¹, Chang Young Lim¹, Gun Lee¹, Eun Seoul Byun¹,
Seung Ju Choi¹, Seok Jin Haam², Sung Soo Lee²**

(1) Department of Thoracic and Cardiovascular Surgery, CHA Bundang Medical Center, College of Medicine, CHA University, Korea

(2) Cha Medical Center, leader of Thoracic and Cardiovascular Surgery Department, Korea

Nowadays, most oncologists face the challenge of ideal therapies without side-effects for cancer treatment. Conventional Hyperthermia can not achieve curative higher temperature in deep-seated tumors. Oncothermia can raise temperature and changing pH environment around the tumor. Combination of oncothermia with chemotherapy may enhance chemo-sensitivity, induce higher drug concentration around and inside the tumor, resulting tumor destruction. We report the outcomes of treatment by oncothermia with chemotherapy for 3 far advanced lung cancer in CHA Bundang Medical Center and Gangnam Severace Hospital.

Conversion of chemo-sensitivity by adding electro-hyperthermia in recurrent endometrial cancer: A Case Report

Yun Hwan Kim¹, Woong Ju¹, Seung Cheol Kim¹

(1) Department of Obstetrics and Gynecology, Ewha Woman University Mokdong Hospital, Korea

Modulated electro-hyperthermia is an emerging complementary treatment option for refractory solid tumor. Early experience suggests that it may have advantages over conventional hyperthermia with exceeding efficacy, and less complication. Herein, we describe a case of chemo-resistant, recurrent endometrial cancer patient; a successful conversion of chemo-sensitivity by the combination of electro-hyperthermia. On the way of chemotherapy for relapsed endometrial cancer, elevation of CA-125 marker frequently means chemo-resistance of the tumor. In this case, we observed sudden decrease of tumor marker during refractory chemotherapy by adding electrohyperthermia. The gross lesion was finally disappeared completely on CT scan and PET imaging, and the serum CA-125 marker was also normalized and maintained. Adding electro-hyperthermia could be a good treatment option even for the chemo-resistant endometrial cancer by converting chemo-sensitivity.