



Oncothermia treatment for small-cell-lung carcinoma

Doo Yun Lee, Hyo Chai Paik, Ji Won Kim, Se Eun Jeon, Dong Uk Kim

Department of Thoracic & Cardiovascular Surgery, Gangnam Severance Hospital, Yonsei University, College of Medicine, Seoul, Korea; hamsj@yumc.yonsei.ac.kr

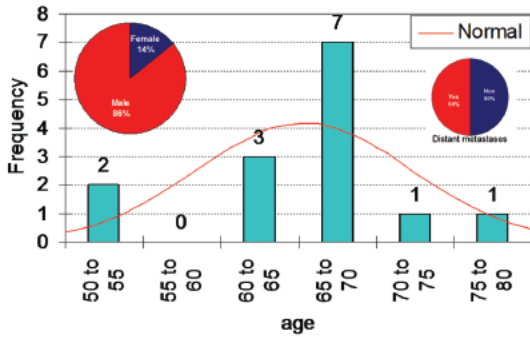
Objective

Small cell lung carcinomas (SCLC) were studied combined with various chemotherapies. This is a running study, we present only interim results. Our objective was to obtain reliable data of SCLC treatment with oncothermia.

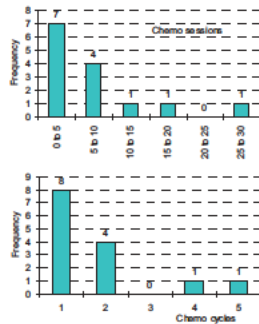
The treatments were provided with device EHY 2000, using the electrode of 30 cm diameter.

Method

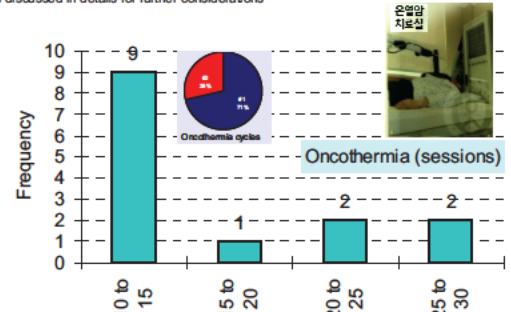
Data of the patients (n = 14) are registered and evaluated retrospectively. The average age of patients is 64.4 y (50-77, St. Err : 1.94), having 12/2 male/female ratio. Ten patients had only one oncothermia cycle, while four got two cycles. Seven patients had distant metastases, two of them multiple, involving their brain. Some cases are discussed in details for further considerations.



Characteristics of the patients included in the study (Patients included till now only. The study is in progress, patients are recruiting.)



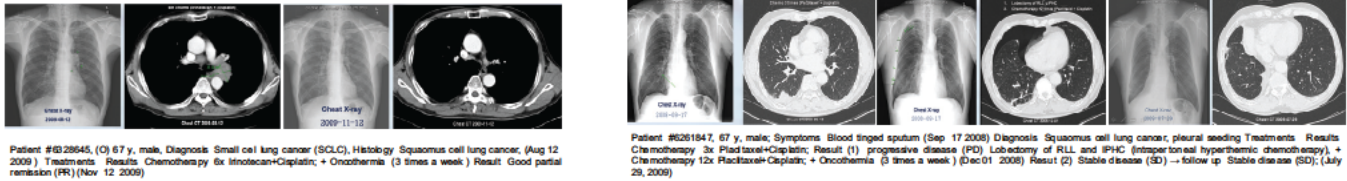
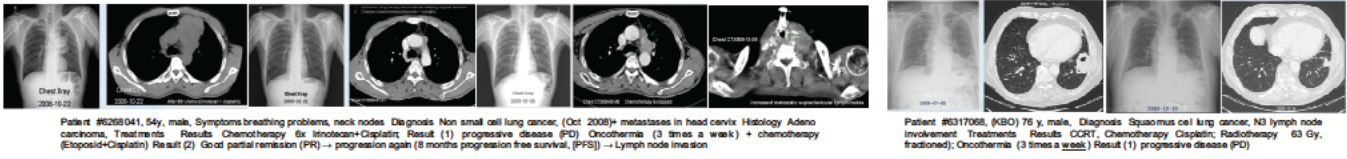
Patients are heavily pretreated.



The oncothermia was applied mainly in one cycle. One cycle was 12 sessions in average. The treatments were provided two three times a week, with one day off in between.

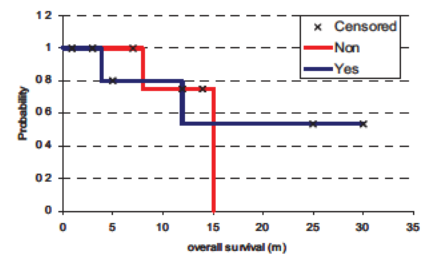
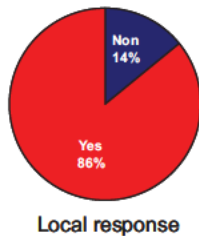
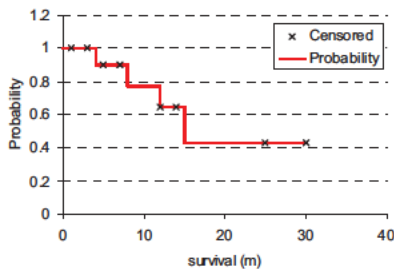
Case reports

The local clinical response is impressive, shows shrinking of tumor in ten cases while tumor growth was observed in two and no change in two cases as well. The interim results for survival shows median survival 7.5 m, (1-30) with mean survival of 10 m (St. Err : 2.35). The Kaplan Meier plot is shown. Case reports well demonstrate the efficacy of the oncothermia as complementary treatment for SCLC.



Interim study-results

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Conclusion

Oncothermia treatment has feasibility to treat SCLC. For evidences a perspective, randomized study, and the overall survival end point is desired. The study continues, and further evaluation is in progress.