

# Oncothermia treatment for small-cell-lung carcinoma

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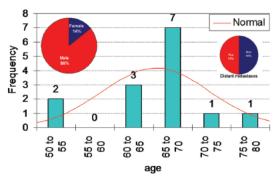
### **Objective**

Small cell lung carginomas (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 oncotherapi

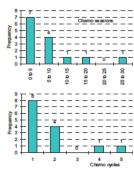
The treatments were provided with device EHY 2000, using the electrode of 30 cm diameter

#### Method

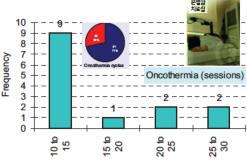
Data of the patients (n 14) are registered and evaluated retrospectively. The average age of patients is 64 4 y (50 77, St. Err.: 1 94), having 12/2 male/female ratio. Ten patients had only one oncotherapy cycle, while four got two cycles. Seven patients had distant metastases two of them multiple, involving 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 )



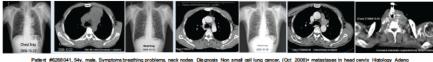
Patients are heavily pretreated



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.



Patient #6288041, 54y, male, Symptoms breathing problems, neck nodes Diagnosis Non small cell lung cancer, (Oct. 2008)+ metastases in head cenvix. Histology Adeno carchona, Timatiments Results Chamchinagy & Infoderant-Cirplatin; Result (1) progressive disease (PD). Drobpment of simes a week) + chemotherapy (Exposit-Cirplatin) Result (2) Code object market progression for survival, (PSI) — lungwested only market.



Patient #6317068, (KBO) 76 y, male, Diagnosis Squaomus cel lung cancer, N3 lymph node involvement Treatments Results CCRT, Chemotherapy Cisplatin; Radiotherapy 63 Gy.



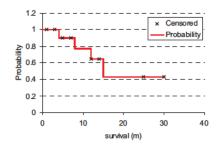
Patient #63:2845, (O) 67 y, main, Diagnosis Small cell lung cancer (SCLC), Histology Squaomus cell lung cancer, (Aug 12 2009) Treatments. Results Chemothera py 6x Introtecan+Clapitatin; + Oncothermia (3 times a week.) Result Good partial remission (RP), (Nov. 12 2009).

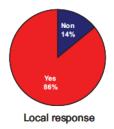


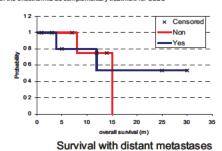
Patent: Ruco1947, 67 y, maie; Symptoms usclost region sputtin (sep 17 2006) begrotes squarems cell lung cartest; peutral secting i rather the Che mothempy 32 Flad taxe4-floaptint; Result (1) progressive disease (PD) Lobedomy of RL and EPH-C (intripartional lung) hyperthemic dementies Che mothempy 12x Flacifizatei-Capitatr; + Oncothermia (3 times a week ) (Dec01 2008) Result (2) Stable disease (SD) — follow up Stable disease (SD) — follow up Stable disease (SD) —

## Interim study-results

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.







#### 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