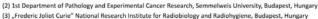
P-21: Gabor Andocs, Nora Meggyeshazi, Y. Okamoto, Lajos Balogh, Oliver Szasz (2012) Bystander effect of Oncothermia



Bystander effect of Oncothermia

Andocs, G.1, Meggyeshazi, N.2, Okamoto, Y.1, Balogh, L.3, Szasz, O.4









Introduction Oncothermia (OTM) is an electro-hyperthermia modality, a long time (since 1980) applied method in oncology,[1] with great clinical success [2]. OTM changes the paradigm of hyperthermia by targeted microscopic heat-liberation at the membrane of the malignant cells. This method creates inhomogeneous heating, microscopic temperature differences far from thermia equilibrium. The tumor destruction efficacy and the role of temperature independent effects of the OTM was proven earlier by laboratory research, and presented elevenhere [3],[4].

Bystander effect (abscopal effect) means that a local tumor treatment can affect the behavior of the far distant metastases. It was first discovered paradice, objective is showing the createst results of oncothermia in research bustander effect.

