

**The effects of KAQUN-water on patients undergoing oncology treatment –  
a randomized study**

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Kaqun is a special type of high oxygen-content water, which can be used as water for therapy by drinking and/or bathing.

Observations: improves fitness and well-being, successful in wound treatment, reduces skin inflammation. Immunological examinations showed that percentage ratio of NK cells increased, the expression of CD25 surface marker was influenced, increased reactive oxygen intermediates' production improves activity of neutrophil granulocytes.

**Aim:** to study the effects of Kaqun-water on patients undergoing oncological treatment.

Primary endpoints: radiation-induced dermatitis, drug-induced dermatitis, fitness and state of mind, studying changes in exulceration.

Secondary endpoints: changes in cutaneous manifestations of melanoma, tumor response in complex oncotherapy of stage IV melanoma.

**Patient groups:**

Group 1: 10 randomly chosen patients, with any grade of skin symptoms due to targeted therapy, undergoing any dermatological treatment;

Group 2: 10 randomly chosen patients with solid tumors having gone under radiotherapy (any radiation source);

Group 3: 5 patients that were not treated with radiotherapy due to cutaneous metastases (intransit) of malignant melanoma;

Group 4: 10 patients undergoing complex oncotherapy for stage IV malignant melanoma.

Our preliminary results show, that the Kaqun-water has a favorable effect on the patient's fitness and psychological status, and on the level of side effects of oncotherapy.