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EXPERIENCE OF THE APPLICATION OF THE „PLASON“ DEVICE IN THE TREATMENT OF BASAL-CELL CARCINOMA OF THE SKIN

S.E. Ageshina

FGA, Medical-diagnostic Center No.12 of the RF Ministry of Defense

Purpose.

Increase in the effectiveness in the treatment of patients with primary and recurrent basal cell carcinoma (BCC) of the skin due to the application of air plasma flows.

Tasks of the study.

To estimate the effectiveness of the method, direct and immediate results, transference of method under the dispensary conditions, nature and quantity of complications, the cosmetic and functional consequences, the application of this method during the arrangement of tumors on the skin of face and the hearous part of the head.

Materials and methods.

Work was conducted on the base of the surgical department FGA MDC No.12 RF Ministry of Defense. During the period from December 2006 to April 2008 136 patients undergone medical treatment with basal cell carcinoma of the skin.

Results.

Morphological verification reached 100%. Among the patients were 79 (58.1%) men and 57 (41.9%) women at the age from 37 to 82 years (middle age of 59.5 years). The diagnosis was stated primarily in 124 (91.2%) of patients. Diagnosis stated with the relapse (after surgical treatment, cryo-destruction and close - focal roentgenotherapy) 12 (8.8%) patients. Indications to the treatment were the presence of exophytic and surface forms of local-extended BCC of the skin. Tumors corresponded to stage T1-T2 N₀M₀. The course of treatment composed 1 session of the air-plasma destruction of formations. Postoperative wound was processed by the solution of KMgO₄ and by the "Levomekol" ointment. Healing passed under the hemorrhagic crust for 6-10-12 days.

Conclusions.

As a result of the treatment by the method of destruction by air-plasma flows achieved a complete regression of tumor in 130 patients (95.6%). Relapses occurred in 4 (2.94%) patients, a continued increase was noted in 2 (1.46%) patients. Good aesthetical and functional results with the formation of the unobtrusive scars of pink color are noted. The phenomena of side effects in patients with the heavy associated pathology was not noted. Thus, application of this method gives good results of the treatment and it makes it possible to reduce the percentage of the relapses of disease. Air-plasma therapy proved itself to be a method of treatment that can be selected to treat patients with basal cell carcinoma of the skin.