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TREATMENT OF SMALL CHOROIDAL TUMORS WITH DIODE LASER - A CASE STUDY

Oral

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Purpose:

To determine the efficacy of infrared diode laser (810 nm) as primary treatment or as complementary method to radiotherapy or surgical resection in very selected cases of small choroidal tumors.

Methods:

10 patients diagnosed with small choroidal tumors with prominence less than 3 mm were treated at the University Eye Department of the University Hospital "Sveti Duh". Small choroidal tumors were treated combining two types of laser beams, green and red laser beams in two separate acts. All patients underwent standardized echography, fluorescein angiography, ultrawidefield fundus photography and a complete ophthalmic examination before and after the treatment.

Results:

All tumors exhibited a reduction of tumor height in a follow-up period of 3 to 14 months. Side effects were minimal. The standardized echography and fluorescein angiography showed scarring of the tumor tissue. The BCVA was not reduced.

Conclusions:

The two act diode laser treatment of small choroidal tumors achieves adequate control of smaller tumors and at our Department this is the therapy of choice in the treatment of selected tumors up to 3 mm in prominence.