

**PHOTODYNAMIC THERAPY OF MALIGNANT TUMOURS.
PROSPECTS OF COOPERATION WITH REPUBLIC VENEZUELA.**

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Photodynamic therapy (PDT) is modern high technology of treatment of the oncological diseases, based on last achievements of pharmacology and quantum electronics. PDT is based on selective destruction of tumoral tissues, by activation of a photosensitizers (PS) with laser irradiation. Numerous researches in the world, confirmed by experience of application of a method in Belarus, shows, that PDT is effective organs surviving method of treatment of tumours of the various localizations. Advantages of PDT for wide use in developing countries such as simplicity of technical realization in comparison with traditional chemotherapy, cheapness of PS and the low price of semi-conductor lasers used for an irradiation are especially actual.

The Belarus medicine has wide experience of use of PDT with created in our country photosensitizer Photolon is one of the best preparations of the given class in the world used for treatment of a skin cancer, disseminated forms of skin melanoma and a breast cancer, a carcinoma and pre-cancerous diseases of uterine cervix, a cancer of tunica mucosa of mouth and tongue, a superficial cancer of an urinary bladder, tumours of a brain. The given experience has been presented by experts of N.N.Alexandrov National Cancer Center of Belarus at the training seminar on December 5- 10th, 2010 in a Merida, Republic Venezuela. Our colleagues from Venezuela have expressed understanding of prospects of cooperation in the given sphere. This understanding was supported with the signed of agreement on intentions.

Considering carried out by the government of Venezuela a policy on cardinal improvement of quality and availability of medical aid to the citizens of the country, cooperation between our countries in the field of introduction of PDT in a wide practice in Venezuela, possesses huge potential with prospects of the creation of a strategic alliance.

The basic directions of cooperation can be transfer of experience of use PDT in N.N. Alexandrov National Cancer Center of Belarus to the medical personnel from Venezuela, joint researches in the field of PDT and development of strategy of struggle against ontological diseases with using of the advanced Belarus technologies.