

Photodynamic therapy of tumors (PDT): 35 years experience

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This lecture will address present current state of art of using PDT in the treatment of certain types of cancers, experimentally and clinically. It covers a variety of topics related to the uses of natural photosensitizers as tumor localizers in PDT of certain types of tumors, biodistribution and selective *in-vivo* tumor localization of endogenous porphyrins induced and stimulated by 5-ALA as a developed technique in our laboratories and its clinical applications, synthesis and *in-vivo* biological evaluation of some newly developed 5-ALA derivatives and porphyrins, the uses of not only laser in PDT of tumors but also halogen lamps as a source of light in tumor PDT, and our clinical application of PDT of tumors in Egypt. This lecture will review our potential long term team experience over more than 35 years in this field.

Biography

Mohamed El-Far, Head Division of Biochemistry, he worked in the field of PDT for 35+ years, during such time he published about 70 peer-reviewed reports. He has served on the editorial boards for the *Lasers in the life sciences*, and *Case Reports in Toxicology*, and on numerous review committees. He also acts as UNESCO expert in science and technology and represents Egypt in it. Dr. El-Far served as visiting professor to University of California as well as Utah laser center also Mayo clinic for several years. He is a member of International Photodynamic Association and Royal Society of Chemistry, UK.

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