

## The Importance of Introducing New Academic Programs in Egyptian National Cancer Institute

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**Abstract :** Background: To achieve the quality of cancer care, the oncologic academic programs should be continuously developed with establishing new ones. We highlighted three disciplines, Clinical nutrition, medical biophysics and radiobiology and Psycho-oncology programs; without a doubt, the Egyptian National Cancer Institute, in the accreditation era, will be establishing them due to their importance in improving the skills of cancer practitioners. Methods: The first suggested program in Clinical Nutrition that is dealing with the assessment of the patient's well-being before, during and after treatment to avoid the defects in the metabolism resulting from the cancer disease and its treatment by giving the supplements in the patient's diet. The second program is Medical Biophysics and Radiobiology, which there's no denying that it is provided in Cairo University as a good program in the faculty of science but lacks the clinical practice. Hence, it is probably better to establish this program in our institute to improve the practitioner skills and introduce a tailored radiation therapy regimen for every patient according to their characteristic profile. While patients are receiving their treatment, the risk of post-traumatic stress disorder arises, so the importance of the third program, Psycho-Oncology, is clearly obtained. This program is concerned with the psychological, social, behavioral, and ethical aspects of cancer. The area of multi-disciplinary interest has boundaries with the major specialties in oncology: the clinical disciplines (surgery, medicine, pediatrics, and radiotherapy), epidemiology, immunology, endocrinology, biology, pathology, bioethics, palliative care, rehabilitation medicine, clinical trials research and decision making, as well as psychiatry and psychology. Results: It is a prospective academic plan which is compatible with the institutional vision and its strategic plan. Conclusion: In this context, evaluating and understanding the suggested academic programs has become a mandatory part of cancer care. And it is essential to be provided by the NCI.

**Keywords :** clinical nutrition, psycho-oncology, medical biophysics and radiobiology, medical education

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