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RESEARCH ARTICLE

AN INTERACTIVE TOOL FOR CERVICAL CANCER

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ABSTRACT

The software/tool has been developed exclusively for cervical cancer to access the basic information regarding the disease its etiology, signs and symptoms available therapy chemo and radio as well as prevention awareness. One can get a glimpse of the analytical output of the hematological and biochemical attributes which play a pivotal role in the etiology of cervical cancer and its manifestation. It is a comprehensive compilation of the various parameters pooled together to empower cervical cancer researchers. The first version of this ITCC exclusively on oncoinfomatics of cervical cancer was developed using Dreamweaver web designing template which offers a comprehensive solution to visualize, analytical output. The script for which was written in PHP for processing and validation. My SQL is the database used to store the entire information for query retrieval and it is accessed through PHP.

INTRODUCTION

Globally cervical cancer is the second most common cancer in women and is estimated to cause over 4,70,000 new cases and 2,33,000 deaths each year. In India cervical cancer is the leading cause of mortality among women, with 1.5 lakh cases and 74,000 deaths being reported annually [1]. Cancer being a malignant neoplasm or malignant tumor is distinguished by uncontrolled proliferation, dedifferentiation, loss of function, invasiveness and metastasis [2]. Cancer differs not only in its tissue origin and morphological appearance, but also in etiology, age, sex, incidence, clinical course, prognosis and many other factors [3]. It is a disease of multiple stages associated with diverse risk factors beyond an individuals' control such as genetics, radiation, exposure to harmful chemicals and dyes, hormonal factors, smoking and even viruses.

MATERIALS AND METHODS

The first version of this ITCC exclusively on oncoinfomatics of cervical cancer was developed using Dreamweaver web designing template which offers a comprehensive solution to visualize, analytical output. The script for which was written in PHP for processing and validation. My SQL [4] is the database used to store the entire information for query retrieval and it is accessed through PHP. Interactive cervical cancer tool version alpha contains 23 hematological and biochemical parameters, which can we visualized as analytical output for age group between 20-80 yrs**.**

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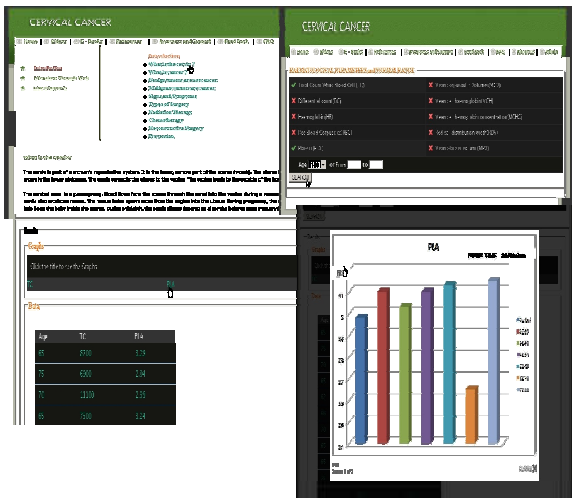
RESULTS AND DISCUSSION

At present, the ITCC software can be accessed only via a web interface; which will be directly and publicly accessible to the scientific community. Integration and interpretation of the massive amounts of biological data by the life science research community. While these resources are perused by a great number of the research community, we will under take the initiatives to acquire and enhance the content of this tool in service to the wider research community. This tool can also aid as disease prediction tool based on genetic algorithm.



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