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BIOLOGY AND DIAGNOSIS

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PREFACE

Various scientific evaluations taken from these chapters were presented during the international symposium, 'Carcinoma of the Cervix,' which was held from September 4-7, 1980 in Kiawah Island, Charleston, South Carolina, U.S.A. An international selection of research investigators have contributed reviews designed to be informative to medical, graduate and post-graduate students, as well as clinicians, oncologists and investigators working in the area of female carcinoma.

An attempt has been made to provide a total coverage of current progress in carcinoma of the cervix. In particular, the following major areas are included: Epidemiology, Histology & Histochemistry, Ultra-structure, Physiology & Biochemistry, Genetics & Cytogenetics, Immunology, Diagnosis, and Pathophysiology & Complications. Major changes have occurred in incidence and mortality rates for carcinoma of the cervix in the past decade. Mass screening programs and their ability to detect earlier stage diseases have attributed to a reduction in invasive diseases. Most cervical cancers could be prevented by an extension of cytologic screening programs in high risk areas. Greater resources must be provided to reach high risk areas in order to prevent the occurrence of cervical cancer.

Outreach clinics, for example, have been established to screen hard-to-reach women. These clinics are mobile units which specifically screen high risk neighborhoods. Epidemiologic studies have shown an association between cervical cancer and low income, limited education, and Black and Hispanic populations. In developed countries, with an affluent, better educated, white population, Papanicolaou (Pap) smears are better accepted and used as a screening procedure. A further reduction of morbidity and mortality from invasive carcinoma of the cervix is most likely to be achieved by developing strategies to screen women of 50 years and older and by incorporating routine screening for women under 50 years into examinations that are less dependent upon mode of contraception.

It is hoped that this volume will serve as a stimulus to research scientists, clinicians and oncologists concerned with female carcinoma in order to intensify their research in conquering the existence of carcinoma of the cervix.

April 1982

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