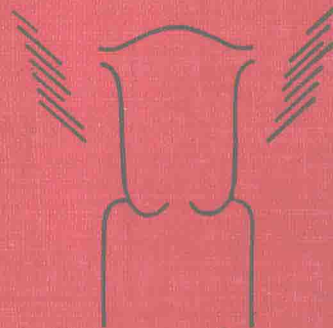


CANCER OF THE
FEMALE REPRODUCTIVE
ORGANS

ALFRED I. SHERMAN



CANCER OF THE FEMALE REPRODUCTIVE ORGANS

ALFRED I. SHERMAN, M.D.

*Associate Professor of Obstetrics and Gynecology, Washington University
School of Medicine, St. Louis, Mo.; Director of the Gynecological Cancer Service
at Washington University and Barnes Hospital Clinics, St. Louis, Mo.;
Consultant in Gynecology to the Mallinckrodt Institute of Radiology, St. Louis, Mo.;
Associate Obstetrician and Gynecologist to Barnes Hospital, St. Louis Children's Hospital,
and Allied Hospitals, St. Louis, Mo.; Consultant and Visiting Physician to
City Hospital, Homer G. Phillips Hospital, St. Luke's Hospital, and Jewish Hospital,
St. Louis, Mo.; Diplomate, American Board of Obstetrics and Gynecology*

Illustrated by Elisabeth North

THE C. V. MOSBY COMPANY

Saint Louis 1963

Copyright © 1963 by
THE C. V. MOSBY COMPANY

All rights reserved

Printed in the United States of America

Library of Congress Catalog Card Number 63-7785

Distributed in Great Britain by Henry Kimpton, London

Contents

CHAPTER 1

Nature of malignancy, 13

CHAPTER 2

Use of radiation in the treatment of cancers of the female reproductive organs, 17

CHAPTER 3

Carcinoma of the uterine cervix, 43

CHAPTER 4

Cancer of the body of the uterus, 172

CHAPTER 5

Carcinoma of the ovary, 202

CHAPTER 6

Carcinoma of the vagina, 224

CHAPTER 7

Carcinoma of the vulva, 243

CHAPTER 8

Carcinoma of the fallopian tube and supporting structures of the uterus, 258

CHAPTER 9

Malignancies of the placenta, 263

CHAPTER 10

Sarcomas of the female reproductive organs, 271

10 *Contents*

CHAPTER 11

Persistent cancer, 278

CHAPTER 12

Chemotherapy, 289

CHAPTER 13

Surgical techniques, 297

CHAPTER 14

Nursing care of patients with gynecological cancer, 304

CHAPTER 15

Survival statistics, 309

CANCER OF THE
FEMALE REPRODUCTIVE
ORGANS

CANCER OF THE FEMALE REPRODUCTIVE ORGANS

ALFRED I. SHERMAN, M.D.

*Associate Professor of Obstetrics and Gynecology, Washington University
School of Medicine, St. Louis, Mo.; Director of the Gynecological Cancer Service
at Washington University and Barnes Hospital Clinics, St. Louis, Mo.;
Consultant in Gynecology to the Mallinckrodt Institute of Radiology, St. Louis, Mo.;
Associate Obstetrician and Gynecologist to Barnes Hospital, St. Louis Children's Hospital,
and Allied Hospitals, St. Louis, Mo.; Consultant and Visiting Physician to
City Hospital, Homer G. Phillips Hospital, St. Luke's Hospital, and Jewish Hospital,
St. Louis, Mo.; Diplomate, American Board of Obstetrics and Gynecology*

Illustrated by Elisabeth North

THE C. V. MOSBY COMPANY

Saint Louis 1963

Copyright © 1963 by
THE C. V. MOSBY COMPANY

All rights reserved

Printed in the United States of America

Library of Congress Catalog Card Number 63-7785

Distributed in Great Britain by Henry Kimpton, London

*Dedicated to the four generations of women known to me,
the generation of my grandmothers, that of my mother, that of
my wife, and that of my daughter, and to that generation
of my granddaughter yet to be born, to whom I hope,
the diseases discussed in this book will be total strangers.*

Preface

The knowledgeable data related to cancer of the female reproductive organs is dispersed over voluminous and widely divergent spheres of the medical literature. It was the reactions observed in students, residents, and practitioners in their attempts to assimilate this widely dispersed data that prompted the writing of this book. It was written to comply with their requests for the integration of data on gynecologic cancer into a form suitable for ready consumption and to bring within reach the *raison d'être* for differences in therapeutic methods as well as the reasons for particular selections of therapy under certain circumstances.

Although the pertinent facts are condensed and simplified to allow both a quicker assimilation of the data and an easier understanding of the reasoning for certain methods of treatment and for specific arrangements of radiation sources, critically important data as well as many of the practical facts are also included.

Rather than to stress the results related directly to modes of therapy, emphasis is placed on interpreting the mechanisms for the observed results in order to signify that there is more involved than the mere method to explain these differences.

Since diagrammatic illustrations allow a more sharply defined focus on specific details, all illustrations in the book are diagrammatic. Hopefully, such fixation in the reader's mind will make subsequent recognition easier, whether seen on x-ray films, on microscopic sections, or on visual inspection. The result of Mrs. Elisabeth North's painstaking efforts to portray these points is most gratifying.

Throughout the book a sincere attempt has been made to present all methods of treatment and the rationalization for their use in as unbiased a manner as is justifiably deserved. However, I do present a definite philosophy and preference toward certain specifically defined modes of therapy, which can be readily identified by perusal of the chapters.

The inclusion of gynecologic tumors in a single book is quite justifiable. From an anatomic viewpoint alone, this delineation is warranted, and, in spite of the variability of the individual cancers, their anatomic proximity and localization to one compartmental area tend to naturally unify them into a single group. Furthermore, the functional and physiologic coherence of the involved organs

unquestionably binds them together and relegates them to the medical jurisdiction of the gynecologist. Moreover, the fact that they comprise a statistically significant proportion of all cancers occurring in the female supports their inclusion in an individual book. By virtue of the present-day accepted practice of including mammary cancer within the field of general surgery, carcinoma of the breast has not been included.

Finally, a few words of wholehearted thanks and gratitude are in order. No pretense is made to the possibility that the inculcation and amalgamation of the included necessary material is the sole accomplishment of one man. Grateful acknowledgment is made to Dr. Willard M. Allen for his confidence and continuous guidance and for affording the opportunity which made this book possible. Sincere thanks are given to Dr. A. Norman Arneson who, by his teaching, supervision, and kind interest, has had a great influence on me. In addition, I wish to acknowledge my indebtedness and gratitude to Dr. Michel M. Ter-Pogossian, whose comprehensive knowledge of radiation physics has always been commodious and indispensable, for his enthusiastic support, stimulation, and tutelage.

Alfred I. Sherman

Contents

CHAPTER 1

Nature of malignancy, 13

CHAPTER 2

Use of radiation in the treatment of cancers of the female reproductive organs, 17

CHAPTER 3

Carcinoma of the uterine cervix, 43

CHAPTER 4

Cancer of the body of the uterus, 172

CHAPTER 5

Carcinoma of the ovary, 202

CHAPTER 6

Carcinoma of the vagina, 224

CHAPTER 7

Carcinoma of the vulva, 243

CHAPTER 8

Carcinoma of the fallopian tube and supporting structures of the uterus, 258

CHAPTER 9

Malignancies of the placenta, 263

CHAPTER 10

Sarcomas of the female reproductive organs, 271

10 *Contents*

CHAPTER 11

Persistent cancer, 278

CHAPTER 12

Chemotherapy, 289

CHAPTER 13

Surgical techniques, 297

CHAPTER 14

Nursing care of patients with gynecological cancer, 304

CHAPTER 15

Survival statistics, 309

CANCER OF THE
FEMALE REPRODUCTIVE
ORGANS

