

# TUMORS OF THE SKIN

# Benign and Malignant

BY

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AND

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Second Edition, Thoroughly Revised and Enlarged 550 Illustrations and 3 Colored Plates

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#### DEDICATED TO

## DOCTOR HENRY WISDOM CAVE

President of the American College of Surgeons, who has done so much to elevate the standards of American Surgery

AND TO

## KATHARINE BISSELL ELLER

Whose encouragement was most helpful in the preparation of this volume

## PREFACE

In the interval since the last edition we have had the opportunity to see and treat many new cases of benign and malignant tumors and have incorporated in this volume modifications in the management and treatment of certain tumors as a result of our further observations and experience. We appreciated the suggestions made by the reviewers of the previous edition, and we have endeavored to make improvements that were feasible. Several disease entities have been added such as reticulo-histiocytoma cutis, eosinophilic granuloma, chondrodermatitis nodularis chronica helicis, epidermodysplasia verruciformis, and angiosarcoma in postmastectomy lymphedema (syndrome of Stewart and Treves).

We have greatly increased and improved the section on the principles and technic of radiation therapy, including roentgen rays (low voltage x-rays 100 KV, intermediate 120 KV, and high voltage 200 KV; contact x-rays, grenz-rays including the beryllium window tubes), radium, radioactive isotopes and thorium X as discussed in Chapter VII, under the general treatment of carcinoma in skin tumors. There has also been added a new chapter on radiation physics with data and charts useful in determining proper procedure and dosage, including the Manchester System of Radium Dosage. Wherever practicable, the radium dosage has been expressed in roentgen units. A thorough understanding of the quality, quantity and behavior of radium and roentgen rays is necessary in order to use the large doses of radiation which, as shown by experience, are required for the adequate destruction of cancer.

This volume contains clinical descriptions of the various neoplasms with discussions of the best methods of therapy based on the experience of the authors and of others referred to in the text.

Histopathologic findings are stressed because of their importance in diagnosis and therapeutic management.

Carcinomas of the lip, tongue, buccal mucosa, penis and vulva are included, with a practical discussion of lymph node management. Dermatologists are often the first to see lesions, especially the early ones, in these areas.

(5)

6 PREFACE

A comprehensive section is devoted to the diagnosis and treatment of the so-called precancerous dermatoses; to the malignant melanomas; to sarcomas; also to lymphomas,  $i.\ e.$ , lymphosarcomas, follicular lymphomas, Hodgkin's disease, mycosis fungoides, etc.

The chapter on the treatment of carcinoma includes diagrammatic examples of tumors of various types, sizes, shapes and locations, with a practical discussion of the different methods of therapy which may be used for each lesion. The radiation methods and doses given throughout the book have been used by the authors with satisfactory results. However, it should be understood that good results may also be obtained with different technics and dosages employed by other therapists, and by those whose available equipment may necessitate a modification of the technic.

The chapter devoted to surgical procedure and plastic repair of tumors has been amplified and improved including the use of the Reese Dermatome. Frequently surgery is the method of choice. In other cases, it is found advisable to combine surgical excision with irradiation. In order to obtain satisfactory cosmetic results, it is often necessary to follow removal of skin tumors with plastic repair. However, in cases where the tumor is invasive and is the type of malignant growth in which surgery is indicated in preference to irradiation, it is safest for the patient to have the tumor excised widely, thinking only in terms of a life-saving measure, and later having the large defect repaired by a competent plastic surgeon. This chapter describes methods of incision and closures, indications for the various kinds of skin grafting and the technic used for them. It is illustrated by clinical examples and diagrammatic drawings.

The major portion of the illustrations are from the authors' collection and have been reproduced. In this edition the number has been increased by 147 illustrations, including new ones from the authors' collection and also some from various contributors throughout the country. Acknowledgment is gratefully made to our colleagues who have permitted us to use certain illustrations and due credit is given in the text where these illustrations have appeared. We particularly wish to extend our thanks to Doctor Marion B. Sulzberger for his generosity in allowing us to use material from the Skin & Cancer Unit of the New York University and Bellevue Medical Center; to Doctors Hamilton Montgomery, Francis Senear, Arthur Curtis and George Pack for their case reports and use of

PREFACE 7

certain photographs; to Doctor James Reese for contributing the illustrations and the technic of the use of the Reese Dermatome; to Doctor William L. Palazzo for his gracious help and discussions regarding radium dosages in roentgen units; to Messrs. Carl Braestrup and Hanson Blatz for their helpful suggestions and contributions of certain tables on radiation therapy; to Doctors Milton Friedman, Hans Biberstein, Arthur B. Hyman, Abraham Krynski, Wilbert Sachs and Perry Sachs for their kindness in making valuable suggestions; to Eve Madsen Fish for medical art work; to Doctors Oliver S. Ormsby and Hamilton Montgomery for use of their photographs; and to Lea & Febiger for their courtesy and splendid coöperation. We wish to thank E. & S. Livingston, publishers of Scotland, and W. J. Meredith, the author, for permission to use certain material, figures, and tables from the book RADIUM DOSAGES—The Manchester System; due credit is given for this material in the text.

For those who might desire further reading, we have endeavored to provide a useful and comprehensive bibliography, up-to-date to the time that the manuscript was submitted to the publisher. The omission of some references due to the limitation of space is regretted.

Because of the accessibility of cancer and precancerous lesions of the skin, early diagnosis and adequate therapy in the vast majority of cases make possible a high percentage of cures.

Today the responsibility for lowering the mortality from cutaneous cancer rests on the general practitioner as well as on the specialist. It is hoped that this book will be useful to both.

J. J. E.

W. D. E.

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Lipoid Proteinosis		4		8		3		187		*				*	59
Eosinophilic Granuloma							×	160	26	*					63
Lipoma				v v	140			(*)		*	165	17			68
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Granular-cell Myoblastoma								4				190		*	80
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Mongolian Spots							*	100	2						99
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Systematized Nevi												195		-	106

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Syringoma	ū	15	- 9						4	3				163
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### MALIGNANT TUMORS OF THE SKIN

### Chapter 7

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