

OF THE
PATHOLOGY OF THE SKIN

J. M. H. MACLEOD AND I. MUENDE

PRACTICAL HANDBOOK OF THE PATHOLOGY OF THE SKIN

AN INTRODUCTION TO THE HISTOLOGY, PATHOLOGY,
BACTERIOLOGY AND MYCOLOGY OF THE SKIN WITH SPECIAL
REFERENCE TO TECHNIQUE

BY

J. M. H. MACLEOD

M.A., M.D., F.R.C.P. (Lond.)

PHYSICIAN AND HON. DIRECTOR OF THE PATHOLOGICAL DEPARTMENT, ST. JOHN'S HOSPITAL FOR DISEASES OF THE SKIN; PHYSICIAN FOR SKIN-DISEASES TO THE HOSPITAL FOR TROPICAL DISEASES, LONDON; CONSULTING PHYSICIAN FOR DISEASES OF THE SKIN, CHARING CROSS HOSPITAL; LATE PRESIDENT, DERMATOLOGICAL SECTION OF THE ROYAL SOCIETY OF MEDICINE, AND THE BRITISH ASSOCIATION OF DERMATOLOGY AND SYPHILOLOGY; CORRESPONDING MEMBER OF THE AMERICAN DERMATOLOGICAL ASSOCIATION, LA SOCIÉTÉ FRANÇAISE DE DERMATOLOGIE AND THE DANISH DERMATOLOGICAL SOCIETY; HONORARY MEMBER OF THE JAPANESE SOCIETY OF DERMATOLOGY AND SYPHILOGRAPHY

AND

I. MUENDE

M.R.C.P. (Lond.), M.B., B.S., B.Sc. (Lond.)

PHYSICIAN WITH CHARGE OF PATHOLOGICAL DEPARTMENT AND LECTURER AT ST. JOHN'S HOSPITAL FOR DISEASES OF THE SKIN; DERMATOLOGIST TO THE MIDDLESEX COUNTY COUNCIL AND WILLESDEN GENERAL HOSPITAL; LECTURER AT THE LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE; EDITOR OF THE TRANSACTIONS OF THE ST. JOHN'S HOSPITAL DERMATOLOGICAL SOCIETY

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FIG. 1.—THE SKIN OF THE PALM OF THE HAND.
(Polychrome methylene blue-neutral orcein preparation.)

str.c.—Stratum corneum. *str.l.*—Stratum lucidum. *str.gr.*—Stratum granulosum.
str.m.—Stratum malpighii. *str.g.*—Stratum germinativum. *coll.b.*—collagen bundles.
sw.p.—sweat-pore. *sw.d.*—sweat-duct. *sw.g.*—sweat-gland. *a. & v.*—artery and vein.
fl.—fat-lobules. *pac.b.*—Pacinian body. *pap.v.*—papillary vessel.

DEDICATED
TO
OUR COLLEAGUES IN DERMATOLOGY
AT
ST. JOHN'S HOSPITAL FOR DISEASES OF THE SKIN, LONDON

PREFACE TO THIRD EDITION

It has been gratifying to the authors to find that, notwithstanding the limitations set by hostilities on the distribution of the book, the second edition was exhausted within four years of its publication, with the United States showing an equal interest in the book.

With so few intervening years there did not, in the opinion of the authors, appear to be any necessity to effect any marked change in the composition of the book, though they have taken the opportunity to correct several errors and enlarge on descriptions which needed amplification.

With the reawakening of serious study following on the return of medical men from the Services to civil life, they hope that this third edition will prove of some assistance to those about to devote their interests to both dermatology and pathology.

Once again they wish to thank Messrs. H. L. Jackson and F. Boothby, directors of Messrs. H. K. Lewis & Company Ltd., for their valuable help with the production of this book.

J. M. H. MACLEOD.

I. MUENDE.

St. John's Hospital for Diseases of the Skin.
March, 1946.

PREFACE TO FIRST EDITION

THIS handbook is intended primarily for students of dermatology, and is based on a series of demonstrations given by me in the Dermatological Laboratory of Charing Cross Hospital.

The sub-title, "An Introduction to the Anatomy, Pathology and Bacteriology of the Skin, with Special Reference to Technique," indicates more precisely than does its title the object of this book, which is to place before the student a compact handbook in which are described the histology of the skin, the pathological changes which may affect its various elements, its bacteriological flora, and the technical methods applicable to its study.

But although the changes affecting the elements of the skin in disease are described in detail, and the more important morbid states are referred to in which these changes are found, the book does not profess to be a complete treatise on the pathology of the skin, but rather a practical introduction to the subject.

There is no work on similar lines in this or, as far as I am aware, in any other language, and its arrangement is, I venture to hope, the one best adapted to simplify the subject to the student.

The skin is one of the few organs which can be seen and felt, and consequently it affords a peculiar opportunity for the study of the histological changes in relation to the multiform naked-eye appearances which they produce. By considering skin-lesions from the anatomo-pathological basis, much of the confusion which at present embarrasses dermatology, especially with regard to nomenclature, might be avoided ; and this is the natural line of advance in the future.

As it is impossible to appreciate the finer points in the pathology of the skin without a thorough knowledge of its minute structure in health, and without some acquaintance with its development, I have deemed it advisable to devote a considerable part of the letterpress to these elementary subjects.

The book is the outcome of a number of years of research ; but in it I have also drawn freely from the accumulated knowledge of recent years scattered so widely over the various text-books and journals. I trust I have duly acknowledged such sources of information in the

text ; but should any have been inadvertently omitted, I crave forbearance for the oversight.

The majority of the illustrations are drawn from my own specimens, a few are from preparations kindly lent to me for the purpose, and several are reproductions. In making these drawings I have attempted to combine accuracy with clearness, and as far as possible have avoided the reproduction of the irrelevant detail which renders so many photomicrographs of comparatively little value from the teaching point of view.

No one could be more sensible of the imperfections of the book than the writer ; but whatever its shortcomings may be, and doubtless they are many, I would fain hope that it will be accepted in the spirit in which it was written—and if it be the means of stimulating further research towards the elucidation of this important branch of medicine, its existence will have been more than justified.

It now remains for me to express my debt of gratitude to my various masters in dermatology—to the late Professor Kaposi, Professor Ehrmann, Professor Caesar Boeck, and especially to Dr. P. G. Unna, to whom I am indebted more than I can adequately express for his teaching while I was a pupil in his laboratory in Hamburg, and for his well-known writings on the pathology of the skin. I must also thank the many friends who have so generously assisted me by their valuable advice and warm encouragement. Among these I must specially mention Dr. T. Colcott Fox and my senior colleague, Dr. James Galloway.

J. M. H. MACLEOD.

*Harley Street, W.
December, 1902.*

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