

Burns, Tony, Breathnach, Stephen, Cox, Neil H. and Griffiths, Christopher, eds.  
(2010) Rook's textbook of dermatology, eighth edition. Blackwell Publishing Ltd.

Downloaded from: <http://insight.cumbria.ac.uk/id/eprint/2737/>

*Usage of any items from the University of Cumbria's institutional repository 'Insight' must conform to the following fair usage guidelines.*

Any item and its associated metadata held in the University of Cumbria's institutional repository Insight (unless stated otherwise on the metadata record) may be copied, displayed or performed, and stored in line with the JISC fair dealing guidelines (available [here](#)) for educational and not-for-profit activities

**provided that**

- the authors, title and full bibliographic details of the item are cited clearly when any part of the work is referred to verbally or in the written form
  - a hyperlink/URL to the original Insight record of that item is included in any citations of the work
- the content is not changed in any way
- all files required for usage of the item are kept together with the main item file.

**You may not**

- sell any part of an item
- refer to any part of an item without citation
- amend any item or contextualise it in a way that will impugn the creator's reputation
- remove or alter the copyright statement on an item.

The full policy can be found [here](#).

Alternatively contact the University of Cumbria Repository Editor by emailing [insight@cumbria.ac.uk](mailto:insight@cumbria.ac.uk).

**Rook's**  
**Textbook of**  
**Dermatology**



**The Editors**

From l to r, Tony Burns, Stephen Breathnach, Christopher Griffiths and Neil Cox standing in front of a portrait of Arthur Rook, the father of the *Textbook of Dermatology*.

We dedicate this edition to Neil Cox, who died shortly before the book went to press. Neil was a hugely talented dermatologist whose contribution to the specialty has been outstanding. In addition to a multitude of other publications, he has contributed to and edited two editions of *Rook's Textbook*. Enormously hard-working, his input has been of inestimable value. He will be sorely missed.

Tony Burns  
Stephen Breathnach  
Christopher Griffiths

# Rook's Textbook of Dermatology

EDITED BY

## **Tony Burns**

MB, BS, FRCP, FRCP(Edin)  
Emeritus Consultant Dermatologist, Leicester Royal Infirmary, Leicester

## **Stephen Breathnach**

MA, MB, BChir, MD, PhD, FRCP  
Consultant Dermatologist, St John's Institute of Dermatology, Guy's and St Thomas' NHS Foundation Trust, St Thomas' Hospital, London, and Consultant Dermatologist, Epsom & St Helier University Hospitals NHS Trust, Epsom, Surrey

## **Neil Cox**

BSc, MB, ChB, FRCP(Lond & Edin)  
Consultant Dermatologist, Department of Dermatology, Cumberland Infirmary, and Visiting Professor, University of Cumbria, Carlisle

## **Christopher Griffiths**

BSc, MD, FRCP, FRCPath  
Professor of Dermatology and Consultant Dermatologist, The Dermatology Centre, University of Manchester, Salford Royal Hospital, Salford, Manchester

IN FOUR VOLUMES

## **VOLUME 1**

**EIGHTH EDITION**

 **WILEY-BLACKWELL**

A John Wiley & Sons, Ltd., Publication

This edition first published 2010, © 1968, 1972, 1979, 1986, 1992, 1998, 2004, 2010 by Blackwell Publishing Ltd

Blackwell Publishing was acquired by John Wiley & Sons in February 2007. Blackwell's publishing program has been merged with Wiley's global Scientific, Technical and Medical business to form Wiley-Blackwell.

*Registered office:* John Wiley & Sons Ltd, The Atrium, Southern Gate, Chichester, West Sussex, PO19 8SQ, UK

*Editorial offices:* 9600 Garsington Road, Oxford, OX4 2DQ, UK  
The Atrium, Southern Gate, Chichester, West Sussex, PO19 8SQ, UK  
111 River Street, Hoboken, NJ 07030-5774, USA

For details of our global editorial offices, for customer services and for information about how to apply for permission to reuse the copyright material in this book please see our website at [www.wiley.com/wiley-blackwell](http://www.wiley.com/wiley-blackwell)

The right of the author to be identified as the author of this work has been asserted in accordance with the Copyright, Designs and Patents Act 1988.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, except as permitted by the UK Copyright, Designs and Patents Act 1988, without the prior permission of the publisher.

Wiley also publishes its books in a variety of electronic formats. Some content that appears in print may not be available in electronic books.

Designations used by companies to distinguish their products are often claimed as trademarks. All brand names and product names used in this book are trade names, service marks, trademarks or registered trademarks of their respective owners. The publisher is not associated with any product or vendor mentioned in this book. This publication is designed to provide accurate and authoritative information in regard to the subject matter covered. It is sold on the understanding that the publisher is not engaged in rendering professional services. If professional advice or other expert assistance is required, the services of a competent professional should be sought.

The contents of this work are intended to further general scientific research, understanding, and discussion only and are not intended and should not be relied upon as recommending or promoting a specific method, diagnosis, or treatment by physicians for any particular patient. The publisher and the author make no representations or warranties with respect to the accuracy or completeness of the contents of this work and specifically disclaim all warranties, including without limitation any implied warranties of fitness for a particular purpose. In view of ongoing research, equipment modifications, changes in governmental regulations, and the constant flow of information relating to the use of medicines, equipment, and devices, the reader is urged to review and evaluate the information provided in the package insert or instructions for each medicine, equipment, or device for, among other things, any changes in the instructions or indication of usage and for added warnings and precautions. Readers should consult with a specialist where appropriate. The fact that an organization or Website is referred to in this work as a citation and/or a potential source of further information does not mean that the author or the publisher endorses the information the organization or Website may provide or recommendations it may make. Further, readers should be aware that Internet Websites listed in this work may have changed or disappeared between when this work was written and when it is read. No warranty may be created or extended by any promotional statements for this work. Neither the publisher nor the author shall be liable for any damages arising herefrom.

ISBN: 978-1-4051-6169-5

Catalogue records for this book are available from the British Library and Library of Congress.

Set in 9.5/12pt Palatino by Toppan Best-set Premedia Limited  
Printed and bound in Singapore by Fabulous Printers Pte Ltd

# Contents

Contributors, ix

Preface to Eighth Edition, xv

Preface to First Edition, xvi

## VOLUME 1

- 1 Introduction and Historical Bibliography, 1.1  
*D.A. Burns & N.H. Cox*
- 2 Comparative Dermatology, 2.1  
*D.A. Burns, N.H. Cox & P.B. Hill*
- 3 Anatomy and Organization of Human Skin, 3.1  
*J.A. McGrath & J. Uitto*
- 4 Functions of the Skin, 4.1  
*C.B. Archer*
- 5 Diagnosis of Skin Disease, 5.1  
*N.H. Cox & I.H. Coulson*
- 6 Epidemiology of Skin Disease, 6.1  
*H.C. Williams*
- 7 Evidence-Based Dermatology, 7.1  
*M. Bigby & H.C. Williams*
- 8 Skin and Skin Disease Throughout Life, 8.1  
*G.W.M. Millington & R.A.C. Graham-Brown*
- 9 Racial Influences on Skin Disease, 9.1  
*L.C. Fuller & E.M. Higgins*
- 10 Histopathology of the Skin: General Principles, 10.1  
*E. Calonje*
- 11 Molecular Biology, 11.1  
*E.A. O'Toole*
- 12 Inflammation, 12.1  
*M. Steinhoff, R.W. Groves, P.E. LeBoit & T.A. Luger*
- 13 Clinical Immunology, Allergy and Photoimmunology, 13.1  
*G.P. Spickett & T. Schwarz*
- 14 Wound Healing, 14.1  
*E.A. O'Toole & J.E. Mellerio*
- 15 Genetics and Genodermatoses, 15.1  
*A.D. Irvine and J.E. Mellerio*
- 16 Prenatal Diagnosis of Genetic Skin Disease, 16.1  
*J.A. McGrath*
- 17 The Neonate, 17.1  
*D.G. Paige, A.R. Gennery & A.J. Cant*
- 18 Naevi and other Developmental Defects, 18.1  
*C. Moss & H. Shahidullah*
- 19 Disorders of Keratinization, 19.1  
*M.R. Judge, W.H.I. McLean & C.S. Munro*
- 20 Psoriasis, 20.1  
*C.E.M. Griffiths & J.N.W.N. Barker*
- 21 Pruritus, 21.1  
*M.W. Greaves*
- 22 Urticaria and Mastocytosis, 22.1  
*C.E.H. Grattan & A. Kobza Black*
- 23 Eczema, Lichenification, Prurigo and Erythroderma, 23.1  
*J. Berth-Jones*
- 24 Atopic Dermatitis, 24.1  
*P.S. Friedmann, M.R. Ardern-Jones & C.A. Holden*

## VOLUME 2

- 25 Contact Dermatitis: Irritant, 25.1  
*S.M. Wilkinson & M.H. Beck*
- 26 Contact Dermatitis: Allergic, 26.1  
*M.H. Beck & S.M. Wilkinson*

- 27** Occupational Dermatoses, 27.1  
*J.S.C. English*
- 28** Mechanical and Thermal Injury, 28.1  
*C.T.C. Kennedy, D.A.R. Burd & D. Creamer*
- 29** Cutaneous Photobiology, 29.1  
*J.L.M. Hawk, A.R. Young & J. Ferguson*
- 30** Bacterial Infections, 30.1  
*R.J. Hay & B.M. Adriaans*
- 31** Mycobacterial Infections, 31.1  
*V.M. Yates*
- 32** Leprosy, 32.1  
*D.N.J. Lockwood*
- 33** Virus Infections, 33.1  
*J.C. Sterling*
- 34** Syphilis and Bacterial Sexually Transmitted Infections, 34.1  
*G.R. Kinghorn*
- 35** HIV and the Skin, 35.1  
*C.B. Bunker & F. Gotch*
- 36** Mycology, 36.1  
*R.J. Hay & H.R. Ashbee*
- 37** Parasitic Worms and Protozoa, 37.1  
*F. Vega-López & R.J. Hay*
- 38** Diseases Caused by Arthropods and Other Noxious Animals, 38.1  
*D.A. Burns*
- 39** Genetic Blistering Diseases, 39.1  
*J.-D. Fine & S.M. Burge*
- 40** Immunobullous Diseases, 40.1  
*F. Wojnarowska & V.A. Venning*
- 41** Lichen Planus and Lichenoid Disorders, 41.1  
*S.M. Breathnach*
- 42** Disorders of the Sebaceous Glands, 42.1  
*A.M. Layton*
- 43** Rosacea, Perioral Dermatitis and Similar Dermatoses, Flushing and Flushing Syndromes, 43.1  
*J. Berth-Jones*
- 44** Disorders of Sweat Glands, 44.1  
*I.H. Coulson*
- 45** Disorders of Connective Tissue, 45.1  
*N.P. Burrows & C.R. Lovell*
- 46** Subcutaneous Fat, 46.1  
*D.H. McGibbon*
- 47** Diseases of the Veins and Arteries: Leg Ulcers, 47.1  
*P.S. Mortimer, K.G. Burnand & H.A.M. Neumann*
- 48** Disorders of Lymphatic Vessels, 48.1  
*P.S. Mortimer*
- 49** Purpura and Microvascular Occlusion, 49.1  
*N.H. Cox & W.W. Piette*
- 50** Vasculitis, Neutrophilic Dermatoses and Related Disorders, 50.1  
*N.H. Cox, J.L. Jorizzo, J.F. Bourke & C.O.S. Savage*
- 51** The 'Connective Tissue Diseases', 51.1  
*M.J.D. Goodfield, S.K. Jones & D.J. Veale*
- 52** Non-Melanoma Skin Cancer and Other Epidermal Skin Tumours, 52.1  
*A.G. Quinn & W. Perkins*
- 53** Tumours of the Skin Appendages, 53.1  
*E. Calonje*
- 54** Lentigos, Melanocytic Naevi and Melanoma, 54.1  
*J.A. Newton Bishop*
- 55** Histiocytoses, 55.1  
*A.C. Chu*
- 56** Soft-Tissue Tumours and Tumour-like Conditions, 56.1  
*E. Calonje*
- 57** Cutaneous Lymphomas and Lymphocytic Infiltrates, 57.1  
*S.J. Whittaker*
- 58** Disorders of Skin Colour, 58.1  
*A.V. Anstey*
- 59** Metabolic and Nutritional Disorders, 59.1  
*R.P.E. Sarkany, S.M. Breathnach, A.A.M. Morris, K. Weismann & P.D. Flynn*
- 60** Necrobiotic Disorders, 60.1  
*D.A. Burns*
- 61** Sarcoidosis, 61.1  
*D.J. Gawkrödger*
- 62** Systemic Disease and the Skin, 62.1  
*N.H. Cox & I.H. Coulson*
- 63** The Skin and the Nervous System, 63.1  
*C.B. Archer & D.J. Eedy*

### VOLUME 3

### VOLUME 4

- 64** Psychocutaneous Disorders, 64.1  
*L.G. Millard & J. Millard*
- 65** Disorders of Nails, 65.1  
*D.A.R. de Berker & R. Baran*
- 66** Disorders of Hair, 66.1  
*A.G. Messenger, D.A.R. de Berker & R.D. Sinclair*
- 67** The Skin and the Eyes, 67.1  
*J.N. Leonard & J.K.G. Dart*
- 68** The External Ear, 68.1  
*C.T.C. Kennedy*
- 69** The Oral Cavity and Lips, 69.1  
*C. Scully & A. Hegarty*
- 70** The Breast, 70.1  
*D.A. Burns*
- 71** The Genital, Perianal and Umbilical Regions, 71.1  
*C.B. Bunker & S.M. Neill*
- 72** General Aspects of Treatment, 72.1  
*A.Y. Finlay and C.H. Smith*
- 73** Topical Therapy, 73.1  
*J. Berth-Jones*
- 74** Systemic Therapy, 74.1  
*S.M. Breathnach, C.H. Smith, R.J.G. Chalmers & R.J. Hay*
- 75** Drug Reactions, 75.1  
*S.M. Breathnach*
- 76** Erythema Multiforme, Stevens–Johnson Syndrome and Toxic Epidermal Necrolysis, 76.1  
*S.M. Breathnach*
- 77** Dermatological Surgery, 77.1  
*C.M. Lawrence & N.R. Telfer*
- 78** Lasers and Flashlamps in the Treatment of Skin Disorders, 78.1  
*R.J. Barlow*
- 79** Radiotherapy and Reactions to Ionizing Radiation, 79.1  
*C.G. Kelly & I. Peat*
- 80** Minimally Invasive Treatments and Procedures for Ageing Skin, 80.1  
*N.J. Lowe*
- Index
- The index to all four volumes can be found at the end of Volume 4



# Contributors

## Adriaans, Beverley M.

MD, FRCP

Consultant Dermatologist, Department of Dermatology, Gloucestershire Royal Hospital, Gloucester GL1 3NN

Co-author of

*Chapter 30: Bacterial Infections*

## Anstey, Alexander V.

MD, FRCP

Consultant Dermatologist, Department of Dermatology, Royal Gwent Hospital, Newport NP20 2UB

Author of

*Chapter 58: Disorders of Skin Colour*

## Archer, Clive B.

BSc, MD, PhD, MSc Med Ed(Lond), FRCP (Edin, Lond)

Consultant Dermatologist, Honary Clinical Senior Lecturer, Bristol Dermatology Centre, Bristol Royal Infirmary, Bristol BS2 8HW

Author of

*Chapter 4: Functions of the Skin*

Co-author of

*Chapter 63: The Skin and the Nervous System*

## Ardern-Jones, Michael R.

BSc, MRCP, DPhil

Senior Lecturer and Honorary Consultant in Dermatology, Division of Infection, Inflammation and Immunity, School of Medicine, University of Southampton, Southampton General Hospital, Southampton SO16 6YD

Co-author of

*Chapter 24: Atopic Dermatitis*

## Ashbee, H. Ruth

BSc, PhD

Principal Clinical Scientist, Mycology Reference Centre, Department of Microbiology, Leeds General Infirmary, Leeds LS1 3EX

Co-author of

*Chapter 36: Mycology*

## Baran, Robert

MD

Head of Nail Disease Centre, Le Grand Palais, 42 Rue des Serbes, 06400 Cannes, and Consultant Dermatologist, Gustave Roussy Cancer Institute, 94805 Villejuif, France

Co-author of

*Chapter 65: Disorders of Nails*

## Barker, Jonathan N.W.N.

BSc, MD, FRCP, FRCPATH

Professor of Clinical Dermatology, St John's Institute of Dermatology, King's College London, Guy's Hospital, London SE1 9RT

Co-author of

*Chapter 20: Psoriasis*

## Barlow, Richard J.

MD, FRCP

Consultant Dermatologist, St John's Institute of Dermatology, St Thomas' Hospital, Lambeth Palace Road, London SE1 7EH

Author of

*Chapter 78: Lasers and Flashlamps in the Treatment of Skin Disorders*

## Beck, Michael H.

FRCP, MBChB

Honorary Clinical Lecturer Occupational and Environmental Health Group, University of Manchester and Retired Consultant Dermatologist and Director of Contact Dermatitis Investigation Unit, Department of Dermatology, Salford Royal Hospital, Stott Lane, Salford M6 8HD

Co-author of

*Chapter 25: Contact Dermatitis: Irritant*

*Chapter 26: Contact Dermatitis: Allergic*

## Berth-Jones, John

FRCP

Consultant Dermatologist, Department of Dermatology, University Hospitals Coventry and Warwickshire, Walsgrave, Coventry CV2 2DX

Author of

*Chapter 23: Eczema, Lichenification, Prurigo and Erythroderma*

*Chapter 43: Rosacea, Perioral Dermatitis and Similar Dermatoses, Flushing and Flushing Syndromes*

*Chapter 73: Topical Therapy*

## Bigby, Michael

MD

Associate Professor of Dermatology, Harvard Medical School and Beth Israel Deaconess Medical Center, 330 Brookline Avenue, Boston MA 02215, USA

Co-author of

*Chapter 7: Evidence-Based Dermatology*

## Bourke, John F.

MD, FRCP(Ire)

Consultant Dermatologist, Department of Dermatology, South Infirmary-Victoria Hospital, Old Blackrock Road, Cork, Ireland

Co-author of

*Chapter 50: Vasculitis, Neutrophilic Dermatoses and Related Disorders*

## Breathnach, Stephen M.

MA, MD, PhD, FRCP

Consultant Dermatologist, St John's Institute of Dermatology, Guy's and St Thomas' NHS Foundation Trust, St Thomas' Hospital, Lambeth Palace Road, London SE1 7EH

Editor

Author of

*Chapter 41: Lichen Planus and Lichenoid Disorders*

*Chapter 75: Drug Reactions*

*Chapter 76: Erythema Multiforme, Stevens–Johnson Syndrome and Toxic Epidermal Necrolysis*

Co-author of

*Chapter 59: Metabolic and Nutritional Disorders*

*Chapter 74: Systemic Therapy*

## Bunker, Christopher B.

MA, MD, FRCP

Consultant Dermatologist, Chelsea and Westminster and Royal Marsden Hospitals, Professor of Dermatology, Division and Faculty of Medicine, Imperial College London, Department of Dermatology, 369 Fulham Road, London SW10 9NH

Co-author of

*Chapter 35: HIV and the Skin*

*Chapter 71: The Genital, Perianal and Umbilical Regions*

**Burd, D. Andrew R.**

MBChB, FRCS, MD  
 Professor, The Chinese University of Hong Kong,  
 Department of Surgery, 4/F Clinical Science Building,  
 Prince of Wales Hospital, Shatin, New Territories,  
 Hong Kong  
 Co-author of  
*Chapter 28: Mechanical and Thermal Injury*

**Burge, Susan M.**

DM, FRCP  
 Consultant Dermatologist, Churchill Hospital, Old  
 Road, Headington, Oxford OX3 7LJ  
 Co-author of  
*Chapter 39: Genetic Blistering Diseases*

**Burnand, Kevin G.**

MBBS, FRCS, MS  
 Professor of Surgery, Academic Department of  
 Surgery, St Thomas' Hospital, Lambeth Palace Road,  
 London SE1 7EH  
 Co-author of  
*Chapter 47: Diseases of the Veins and Arteries: Leg Ulcers*

**Burns, David Anthony**

MB BS FRCP  
 Emeritus Consultant Dermatologist, Leicester Royal  
 Infirmary, Infirmary Square, Leicester LE1 5WW  
 Editor  
 Author of  
*Chapter 38: Diseases Caused by Arthropods and Other  
 Noxious Animals*  
*Chapter 60: Necrobiotic Disorders*  
*Chapter 70: The Breast*  
 Co-author of  
*Chapter 1: Introduction and Historical Bibliography*  
*Chapter 2: Comparative Dermatology*

**Burrows, Nigel P.**

MD, FRCP  
 Consultant Dermatologist and Associate Lecturer,  
 Department of Dermatology, Addenbrooke's  
 Hospital, Hills Road, Cambridge CB2 2QQ  
 Co-author of  
*Chapter 45: Disorders of Connective Tissue*

**Calonje, Eduardo**

MD DipRCPath  
 Consultant Dermatologist, Department of  
 Histopathology, St John's Institute of Dermatology,  
 St Thomas' Hospital, Lambeth Palace Road, London  
 SE1 7EH  
 Author of  
*Chapter 10: Histopathology of the Skin: General Principles*  
*Chapter 53: Tumours of the Skin Appendages*  
*Chapter 56: Soft-Tissue Tumours and Tumour-like  
 Conditions*

**Cant, Andrew J.**

BSc, MD, FRCP, FRCPC  
 Consultant in Paediatric Immunology & Infectious  
 Diseases, Children's BMT Unit, Newcastle General  
 Hospital, Westgate Road, Newcastle upon Tyne NE4  
 6BE  
 Co-author of  
*Chapter 17: The Neonate*

**Chalmers, Robert J.G.**

MB, FRCP  
 Consultant Dermatologist, Dermatology Centre,  
 University of Manchester, Salford Royal Hospital,  
 Stott Lane, Manchester M6 8HD  
 Co-author of  
*Chapter 74: Systemic Therapy*

**Chu, Anthony C.**

FRCP  
 Professor of Dermatologic Oncology, Buckingham  
 University and Consultant Dermatologist,  
 Hammersmith Hospital, Du Cane Road, London  
 W12 0HS  
 Author of  
*Chapter 55: Histiocytoses*

**Coulson, Ian H.**

BSc, MB, BS, FRCP  
 Consultant Dermatologist, Dermatology Unit, Burnley  
 General Hospital, Casterton Avenue, Burnley BB10  
 2PQ  
 Author of  
*Chapter 44: Disorders of Sweat Glands*  
 Co-author of  
*Chapter 5: Diagnosis of Skin Disease*  
*Chapter 62: Systemic Disease and the Skin*

**Cox, Neil H.**

BSc, MB, ChB, FRCP  
 Consultant Dermatologist, Department of  
 Dermatology, Cumberland Infirmary, Carlisle CA2  
 7HY and Visiting Professor, University of Cumbria,  
 Carlisle CA1 2HH  
 Editor  
 Co-author of  
*Chapter 1: Introduction and Historical Bibliography*  
*Chapter 2: Comparative Dermatology*  
*Chapter 5: Diagnosis of Skin Disease*  
*Chapter 49: Purpura and Microvascular Occlusion*  
*Chapter 50: Vasculitis, Neutrophilic Dermatoses and  
 Related Disorders*  
*Chapter 62: Systemic Disease and the Skin*

**Creamer, Daniel**

BSc, MD, FRCP  
 Consultant Dermatologist, Department of  
 Dermatology, King's College Hospital, Denmark Hill,  
 London SE5 9RS  
 Co-author of  
*Chapter 28: Mechanical and Thermal Injury*

**Dart, John K.G.**

MA DM FRCS FRCOphth  
 Consultant Ophthalmologist, Moorfields Eye Hospital  
 NHS Foundation Trust, 162 City Road, London EC1  
 2PD and Honorary Reader in Ophthalmology,  
 University College London  
 Co-author of  
*Chapter 67: The Skin and the Eyes*

**de Berker, David A.R.**

BA, MBBS, MRCP  
 Consultant Dermatologist, Bristol Dermatology  
 Centre, Bristol Royal Infirmary, Marlborough Street,  
 Bristol BS2 8HW  
 Co-author of  
*Chapter 65: Disorders of Nails*  
*Chapter 66: Disorders of Hair*

**Eedy, David J.**

MD, FRCP  
 Consultant Dermatologist, Department of  
 Dermatology, Craigavon Area Hospital, 68 Lurgan  
 Road, Portadown, Co Armagh BT63 5QQ  
 Co-author of  
*Chapter 63: The Skin and the Nervous System*

**English, John S.C.**

FRCP  
 Consultant Dermatologist, Department of  
 Dermatology, Queen's Medical Centre, Clifton  
 Boulevard, Nottingham NG7 2UH  
 Author of  
*Chapter 27: Occupational Dermatoses*

**Ferguson, James**

MD, FRCP  
 Professor and Consultant Dermatologist,  
 Photobiology Unit, Department of Dermatology,  
 Ninewells Hospital and Medical School, Dundee,  
 Tayside DD1 9SY  
 Co-author of  
*Chapter 29: Cutaneous Photobiology*

**Fine, Jo-David**

MD, MPH  
 Professor of Medicine (Dermatology) and Pediatrics,  
 Vanderbilt University, School of Medicine, 1900  
 Patterson Street, Nashville, TN 37203, USA  
 Co-author of  
*Chapter 39: Genetic Blistering Diseases*

**Finlay, Andrew Y.**

MBBS, FRCP (London & Glasgow)  
 Professor of Dermatology, Department of  
 Dermatology, Cardiff University School of Medicine,  
 Heath Park, Cardiff CF14 4XN  
 Co-author of  
*Chapter 72: General Aspects of Treatment*

**Flynn, Paul D.**

PhD, FRCP, MRCP  
 Consultant Physician, Acute and Metabolic Medicine, Addenbrooke's Hospital, Cambridge CB2 2QQ and Fellow and Director of Studies in Medical Science, Sidney Sussex College, Cambridge  
 Co-author of  
*Chapter 59: Metabolic and Nutritional Disorders*

**Friedmann, Peter S.**

MD, FRCP, FMedSci  
 Professor of Dermatology, Dermatopharmacology Unit, Southampton General Hospital, Tremona Road, Southampton SO16 6YD  
 Co-author of  
*Chapter 24: Atopic Dermatitis*

**Fuller, L. Claire**

MA, FRCP  
 Consultant Dermatologist, Department of Dermatology, Kent and Canterbury Hospital, Ethelbert Road, Canterbury, Kent CT1 3NG  
 Co-author of  
*Chapter 9: Racial Influences on Skin Disease*

**Gawkrodger, David J.**

MD, FRCP, FRCPE  
 Consultant Dermatologist and Honorary Professor of Dermatology, Department of Dermatology, Royal Hallamshire Hospital, Glossop Road, Sheffield S10 2JF  
 Author of  
*Chapter 61: Sarcoidosis*

**Gennery, Andrew R.**

MD, MRCP, MRCPCH, DCH, DipMedSci  
 Reader, Paediatric Immunology, Children's BMT Unit, Newcastle General Hospital, Westgate Road, Newcastle upon Tyne NE4 6BE  
 Co-author of  
*Chapter 17: The Neonate*

**Goodfield, Mark J.D.**

MD, FRCP  
 Consultant Dermatologist, Department of Dermatology, Leeds General Infirmary, Great George Street, Leeds LS1 3EX  
 Co-author of  
*Chapter 51: The 'Connective Tissue Diseases'*

**Gotch, Frances**

PhD, FRCPATH  
 Professor of Immunology, Department of Immunology, Imperial College School of Medicine, Chelsea and Westminster Hospital, 369 Fulham Road, London SW10 9NH  
 Co-author of  
*Chapter 35: HIV and the Skin*

**Graham-Brown, Robin A.C.**

BSc, MB, BS, FRCP, FRCPC  
 Consultant Dermatologist and Honorary Senior Lecturer, University Hospitals of Leicester, Leicester LE1 5WW  
 Co-author of  
*Chapter 8: Skin and Skin Disease Throughout Life*

**Grattan, Clive E.H.**

MA MD FRCP  
 Consultant Dermatologist, Department of Dermatology, Norfolk and Norwich University Hospital, Colney Lane, Norwich NR4 7UY  
 Co-author of  
*Chapter 22: Urticaria and Mastocytosis*

**Greaves, Malcolm W.**

MD, PhD, FRCP, FAMS  
 Emeritus Professor of Dermatology, Cutaneous Allergy Clinic, St John's Institute of Dermatology, St Thomas' Hospital, Lambeth Palace Road, London SE1 7EH  
 Author of  
*Chapter 21: Pruritus*

**Griffiths, Christopher E.M.**

BSc, MD, FRCP, FRCPath  
 Professor of Dermatology and Consultant Dermatologist, The Dermatology Centre, University of Manchester, Salford Royal Hospital, Salford, Manchester M6 8HD  
 Editor  
 Co-author of  
*Chapter 20: Psoriasis*

**Groves, Richard W.**

MBBS, FRCP  
 Head, Clinical Immunodermatology, St John's Institute of Dermatology, Guy's Hospital, Great Maze Pond, London SE1 9RT  
 Co-author of  
*Chapter 12: Inflammation*

**Hawk, John L.M.**

BSc, MD, FRACP, FRCP  
 Emeritus Professor of Dermatological Photobiology and Honorary Consultant Dermatologist, St John's Institute of Dermatology, St Thomas' Hospital, Lambeth Palace Road, London SE1 7EH  
 Co-author of  
*Chapter 29: Cutaneous Photobiology*

**Hay, Roderick J.**

DM, FRCP, FRCPath, FMedSci  
 Professor of Cutaneous Infection, Dermatology Department, King's College Hospital, Denmark Hill, Camberwell, London SE5 9RS  
 Co-author of  
*Chapter 30: Bacterial Infections*  
*Chapter 36: Mycology*  
*Chapter 37: Parasitic Worms and Protozoa*  
*Chapter 74: Systemic Therapy*

**Hegarty, Anne**

BA BDentSC, MSc, MFDRCSE, MBBS  
 Consultant in Oral Medicine, The Charles Clifford Dental Hospital, Wellesley Road, Sheffield S10 2SZ  
 Co-author of  
*Chapter 69: The Oral Cavity and Lips*

**Higgins, Elisabeth M.**

MA, FRCP  
 Consultant Dermatologist, Department of Dermatology, King's College Hospital, Denmark Hill, Camberwell, London SE5 9RS  
 Co-author of  
*Chapter 9: Racial Influences on Skin Disease*

**Hill, Peter B.**

BVSc, PhD, DVD, DipACVD, DipECVD, MRCVS  
 Specialist in Veterinary Dermatology, Veterinary Specialist Centre, North Ryde, Sydney, NSW 2113, Australia  
 Co-author of  
*Chapter 2: Comparative Dermatology*

**Holden, Colin A.**

BSc, MD, FRCP  
 Consultant Dermatologist, Department of Dermatology, Epsom and St Helier NHS Trust, Wrythe Lane, Carshalton, Surrey SM5 1AA  
 Co-author of  
*Chapter 24: Atopic Dermatitis*

**Irvine, Alan D.**

MD, FRCPI, MRCP  
 Consultant Paediatric Dermatologist, Our Lady's Hospital for Sick Children, Crumlin, Dublin 12, Ireland  
 Co-author of  
*Chapter 15: Genetics and Genodermatoses*

**Jones, Stephen K.**

BMedSci, BM, BS, FRCP (London & Edinburgh)  
 Consultant Dermatologist, Department of Dermatology, Clatterbridge Hospital, Bebington, Wirral CH63 4JY  
 Co-author of  
*Chapter 51: The 'Connective Tissue Diseases'*

**Jorizzo, Joseph L.**

MD  
 Professor, Former and Founding Chair, Department of Dermatology, Wake Forest University School of Medicine, Winston-Salem, NC, USA  
 Co-author of  
*Chapter 50: Vasculitis, Neutrophilic Dermatoses and Related Disorders*

**Judge, Mary R.**

MD, FRCP, DCH  
 Consultant Dermatologist, Department of Dermatology, Salford Royal Hospital, Greater Manchester M6 8HD  
 Co-author of  
*Chapter 19: Disorders of Keratinization*

**Kelly, Charles G.**

MSc, FRCP, FRCR  
 Consultant Clinical Oncologist, Northern Centre for  
 Cancer Treatment, Newcastle General Hospital,  
 Westgate Road, Newcastle upon Tyne NE4 6BE  
 Co-author of  
*Chapter 79: Radiotherapy and Reactions to Ionizing  
 Radiation*

**Kennedy, Cameron T.C.**

MA, MB, BChir, FRCP  
 Consultant Dermatologist and Clinical Senior  
 Lecturer, Bristol Dermatology Centre, Bristol Royal  
 Infirmary, Marlborough Street, Bristol BS2 8HW  
 Author of  
*Chapter 68: The External Ear*  
 Co-author of  
*Chapter 28: Mechanical and Thermal Injury*

**Kinghorn, George R.**

MD, FRCP (London & Glasgow)  
 Consultant and Honorary Professor of Genitourinary  
 Medicine, Department of Genitourinary Medicine,  
 Royal Hallamshire Hospital, Glossop Road, Sheffield  
 S10 2JF  
 Author of  
*Chapter 34: Syphilis and Bacterial Sexually Transmitted  
 Infections*

**Kobza Black, Anne**

MD, FRCP  
 Honorary Senior Lecturer, St John's Institute of  
 Dermatology, St Thomas' Hospital, London SE1 7EH  
 Co-author of  
*Chapter 22: Urticaria and Mastocytosis*

**Lawrence, Clifford M.**

MD, FRCP  
 Consultant Dermatologist, Department of  
 Dermatology, Royal Victoria Infirmary, Queen  
 Victoria Road, Newcastle upon Tyne, Tyne and Wear  
 NE1 4LP  
 Co-author of  
*Chapter 77: Dermatological Surgery*

**Layton, Alison M.**

MB, ChB, FRCP  
 Consultant Dermatologist, Harrogate and District  
 Hospital, Lancaster Park Road, Harrogate, North  
 Yorkshire HG2 2SX  
 Author of  
*Chapter 42: Disorders of the Sebaceous Glands*

**LeBoit, Philip E.**

MD  
 Professor of Pathology and Dermatology, Division  
 Chief, Dermatopathology, University of California  
 San Francisco, 1701 Divisadero Street, San Francisco  
 CA94115, USA  
 Co-author of  
*Chapter 12: Inflammation*

**Leonard, Jonathan N.**

BSc, MD, FRCP  
 Consultant Dermatologist, Department of  
 Dermatology, St Mary's Hospital, Praed Street,  
 London W2 1NY  
 Co-author of  
*Chapter 67: The Skin and the Eyes*

**Lockwood, Diana N.J.**

MD, FRCP  
 Consultant Physician and Leprologist, Hospital for  
 Tropical Diseases, Mortimer Market, Capper Street,  
 London WC1E 6AU  
 Author of  
*Chapter 32: Leprosy*

**Lovell, Christopher R.**

MD, FRCP  
 Consultant Dermatologist, Kinghorn Dermatology  
 Unit, Royal United Hospital, Combe Park, Bath, Avon  
 BA1 3NG  
 Co-author of  
*Chapter 45: Disorders of Connective Tissue*

**Lowe, Nicholas James**

MD, FRCP, FACP  
 Consultant Dermatologist and Clinical Professor,  
 UCLA School of Medicine, Los Angeles, CA, USA  
 and The Cranley Clinic, Harcourt House, 19A  
 Cavendish Square, London W19 0PN  
 Author of  
*Chapter 80: Minimally Invasive Treatments and  
 Procedures for Ageing Skin*

**Luger, Thomas A.**

MD  
 Professor and Chairman, Department of  
 Dermatology, University of Münster, Von  
 Esmarchstrasse 58, D-48149 Münster, Germany  
 Co-author of  
*Chapter 12: Inflammation*

**McGibbon, David H.**

MB, ChB, FRCP  
 Consultant Dermatologist, St John's Institute of  
 Dermatology, St Thomas' Hospital, Lambeth Palace  
 Road, London SE1 7EH  
 Author of  
*Chapter 46: Subcutaneous Fat*

**McGrath, John A.**

MD, FRCP  
 Professor of Molecular Dermatology, St. John's  
 Institute of Dermatology, King's College London,  
 London SE1 9RT  
 Author of  
*Chapter 16: Prenatal Diagnosis of Genetic Skin Disease*  
 Co-author of  
*Chapter 3: Anatomy and Organization of Human Skin*

**McLean, W.H. Irwin**

BSc (Hons), PhD, DSc, FRSE  
 Professor of Human Genetics, Human Genetics Unit,  
 Division of Pathology and Neuroscience, University  
 of Dundee, Ninewells Hospital and Medical School,  
 Dundee, Tayside DD1 9SY  
 Co-author of  
*Chapter 19: Disorders of Keratinization*

**Mellerio, Jemima E.**

BSc, MD, FRCP  
 Consultant Dermatologist, St John's Institute of  
 Dermatology, St Thomas' Hospital, Lambeth Palace  
 Road, London SE1 7EH  
 Co-author of  
*Chapter 14: Wound Healing*  
*Chapter 15: Genetics and Genodermatoses*

**Messenger, Andrew G.**

MD, FRCP  
 Consultant Dermatologist, Department of  
 Dermatology, Royal Hallamshire Hospital, Sheffield,  
 UK  
 Co-author of  
*Chapter 66: Disorders of Hair*

**Millard Jonathan**

MRCPsych  
 Consultant, The Becklin Centre, Alma Street, Leeds  
 LS9 7BE  
 Co-author of  
*Chapter 64: Psychocutaneous Disorders*

**Millard, Leslie G.**

MD, FRCP  
 Consultant Dermatologist, Rotherham District  
 Hospitals Trust, Moorgate Road, Rotherham S60 2UD  
 Co-author of  
*Chapter 64: Psychocutaneous Disorders*

**Millington George W.M.**

BSc, MB, PhD, MRCP  
 Consultant Dermatologist, Norfolk and Norwich  
 University Hospital, Norwich NR4 7UY  
 Co-author of  
*Chapter 8: Skin and Skin Disease Throughout Life*

**Morris, Andrew A.M.**

BM, BCh, PhD, FRCPC  
 Consultant Paediatrician with Special Interest in  
 Metabolic Diseases, Willink Biochemical Genetics  
 Unit, Department of Genetic Medicine, Royal  
 Manchester Children's Hospital, Oxford Road,  
 Manchester M13 9WL  
 Co-author of  
*Chapter 59: Metabolic and Nutritional Disorders*

**Mortimer, Peter S.**

MD, FRCP

Professor of Dermatological Medicine, St George's, University of London, Cranmer Terrace, London SW17 ORE and Consultant Skin Physician, St George's Hospital London and the Royal Marsden Hospital, London SW3 6JJ

Author of

*Chapter 48: Disorders of Lymphatic Vessels*

Co-author of

*Chapter 47: Diseases of the Veins and Arteries: Leg Ulcers***Moss, Celia**

DM, FRCP, MRCPCH

Consultant Dermatologist and Honorary Professor of Paediatric Dermatology, Birmingham Children's Hospital, Steelhouse Lane, Birmingham B4 6NL

Co-author of

*Chapter 18: Naevi and other Developmental Defects***Munro, Colin S.**

MA, MD, FRCP

Professor of Dermatology, Alan Lyell Centre for Dermatology, Southern General Hospital, Glasgow G51 4TF

Co-author of

*Chapter 19: Disorders of Keratinization***Neill, Sallie M.**

FRCP

Consultant Dermatologist, St John's Institute of Dermatology, St Thomas' Hospital, Lambeth Palace Road, London SE1 7EH

Co-author of

*Chapter 71: The Genital, Perianal and Umbilical Regions***Neumann, H.A. Martino**

MD, PhD

Head of the Department of Dermatology and Venereology, Erasmus Medical Center, Rotterdam, The Netherlands

Co-author of

*Chapter 47: Diseases of the Veins and Arteries: Leg Ulcers***Newton Bishop, Julia A.**

MD, FRCP

Professor of Dermatology, Section of Epidemiology and Biostatistics, Leeds Institute of Molecular Medicine, St James's University Hospital, Leeds LS9 7TF

Author of

*Chapter 54: Lentigos, Melanocytic Naevi and Melanoma***O'Toole, Edel A.**

MB, BCh, PhD, FRCP(Ire), FRCP

Professor of Molecular Dermatology and Honorary Consultant Dermatologist, Centre for Cutaneous Research, Barts and The London School of Medicine & Dentistry, Queen Mary, University of London, 4 Newark Street, London E1 2AT

Author of

*Chapter 11: Molecular Biology*

Co-author of

*Chapter 14: Wound Healing***Paige, David G.**

MBBS, MA, FRCP

Consultant Dermatologist, Barts and the Royal London NHS Trust, Whitechapel, London E1 1BB

Co-author of

*Chapter 17: The Neonate***Peat, Irene**

FRCR, FRCP

Consultant Clinical Oncologist, Oncology Unit, Leicester Royal Infirmary, Leicester LE1 5WW

Co-author of

*Chapter 79: Radiotherapy and Reactions to Ionizing Radiation***Perkins, William**

MBBS, FRCP

Consultant Dermatologist, Nottingham University Hospital Queen's Medical Centre, Clifton Boulevard, Nottingham NG7 2UH

Co-author of

*Chapter 52: Non-Melanoma Skin Cancer and Other Epidermal Skin Tumours***Piette, Warren W.**

MD

Chair and Program Director of the Dermatology Training Program, John H Stroger Jr Hospital of Cook County, Division of Dermatology, 1900 W Polk St, Admin Bldg Rm 519, Chicago, Illinois 60612, USA

Co-author of

*Chapter 49: Purpura and Microvascular Occlusion***Quinn, Anthony G.**

BMSc, MBChB, PhD, FRCP

Senior Vice President and Chief Medical Officer, Synageva BioPharma Corporation, 60 Hickory Drive, Waltham, Massachusetts 02451, USA

Co-author of

*Chapter 52: Non-Melanoma Skin Cancer and Other Epidermal Skin Tumours***Sarkany, Robert P.E.**

FRCP, MD

Director of Photobiology, St John's Institute of Dermatology, St Thomas' Hospital, Lambeth Palace Road, London SE1 7EH

Co-author of

*Chapter 59: Metabolic and Nutritional Disorders***Savage, Caroline O.S.**

PhD, FRCP, FMedSci

Professor of Nephrology, Renal Immunobiology, School of Immunity and Infection, The College of Medical and Dental Sciences, University of Birmingham, Edgbaston, Birmingham B15 2TT

Co-author of

*Chapter 50: Vasculitis, Neutrophilic Dermatoses and Related Disorders***Schwarz, Thomas**

MD

Professor and Chairman, Department of Dermatology, Venereology and Allergology, University Hospital Schleswig-Holstein Campus, Kiel, Germany

Co-author of

*Chapter 13: Clinical Immunology, Allergy and Photoimmunology***Scully, Crispian**

CBE, MD, PhD, MDS, MRCS, BSc, FDSRCS, FDSRCPs, FFDRCSI, FDSRCSE, FRCPATH, FMedSci, FHEA, FUCL, DSc, DChD, DMed(HC), Drh.c.

Director (Special Projects) and Professor UCL-EDI, 256 Gray's Inn Road, London WC1X 8LD

Co-author of

*Chapter 69: The Oral Cavity and Lips***Shahidullah, Hossain**

BMedSci, MD, FRCP Edin

Consultant Dermatologist, Department of Dermatology, Derbyshire Royal Infirmary, London Road, Derby DE1 2QY

Co-author of

*Chapter 18: Naevi and other Developmental Defects***Sinclair, Rodney D.**

MBBS, MD, FACD

Professor and Director of Dermatology, Department of Dermatology, St Vincent's Hospital, Fitzroy, Melbourne, Victoria 3065, Australia

Co-author of

*Chapter 66: Disorders of Hair***Smith, Catherine H.**

MD, FRCP

Consultant Dermatologist and Senior Lecturer, St John's Institute of Dermatology, St Thomas' Hospital, Lambeth Palace Road, London SE1 7EH

Co-author of

*Chapter 72: General Aspects of Treatment**Chapter 74: Systemic Therapy***Spickett, Gavin P.**

MA, DPhil, FRCPATH, FRCP, FRCPE

Consultant Clinical Immunologist, Regional Department of Immunology, Royal Victoria Infirmary, Newcastle upon Tyne NE1 4LP

Co-author of

*Chapter 13: Clinical Immunology, Allergy and Photoimmunology***Steinhoff, Martin**

MD, PhD

Department of Dermatology, University of Münster, Von-Esmarch-Strasse 58D-48149, Münster, Germany

Co-author of

*Chapter 12: Inflammation*

**Sterling, Jane C.**

MB, BChir, MA, FRCP, PhD  
 Senior Lecturer, Department of Dermatology,  
 University of Cambridge, Addenbrooke's Hospital,  
 Hills Road, Cambridge CB2 2QQ  
 Author of  
 Chapter 33: *Virus Infections*

**Telfer, Nicholas R.**

FRCP  
 Consultant Dermatological Surgeon, Department of  
 Dermatology, Salford Royal Hospital, Stott Lane,  
 Salford, Lancs M6 8HD  
 Co-author of  
 Chapter 77: *Dermatological Surgery*

**Uitto, Jouni**

MD, PhD  
 Professor and Chair, Department of Dermatology and  
 Cutaneous Biology, Jefferson Institute of Molecular  
 Medicine, Thomas Jefferson University, 233 South  
 10th Street, Philadelphia PA19107, USA  
 Co-author of  
 Chapter 3: *Anatomy and Organization of Human Skin*

**Veale, Douglas J.**

MD, FRCFI, FRCP (Lon)  
 Consultant Rheumatologist, Department of  
 Rheumatology, Bone and Joint Unit, St Vincent's  
 University Hospital, Elm Park, Dublin 4, Republic of  
 Ireland  
 Co-author of  
 Chapter 51: *The 'Connective Tissue Diseases'*

**Vega-López, Francisco**

MD, MSc, PhD, MFTM, RCPSCG, FRCP  
 Consultant Dermatologist, University College London  
 Hospitals NHS Foundation Trust and Honorary  
 Professor, London School of Hygiene and Tropical  
 Medicine, Keppel Street, London WC1E 7HT  
 Co-author of  
 Chapter 37: *Parasitic Worms and Protozoa*

**Venning, Vanessa A.**

DM, FRCP  
 Consultant Dermatologist, Department of  
 Dermatology, Churchill Hospital, Old Road,  
 Headington, Oxford OX3 7LJ  
 Co-author of  
 Chapter 40: *Immunobullous Diseases*

**Weismann, Kaare**

MD, PhD  
 Professor of Dermatology, Consultant Dermatologist,  
 The Skin Clinic, Privatehospital Hamlet, DK-2860  
 Søborg, Denmark  
 Co-author of  
 Chapter 59: *Metabolic and Nutritional Disorders*

**Whittaker, Sean J.**

MD, FRCP  
 Head of Clinical Services, St John's Institute of  
 Dermatology, St Thomas' Hospital, Lambeth Palace  
 Road, London SE1 7EH  
 Author of  
 Chapter 57: *Cutaneous Lymphomas and Lymphocytic  
 Infiltrates*

**Wilkinson, S. Mark**

MD, FRCP  
 Department of Dermatology, Leeds General  
 Infirmary, Great George Street, Leeds LS1 3EX  
 Co-author of  
 Chapter 25: *Contact Dermatitis: Irritant*  
 Chapter 26: *Contact Dermatitis: Allergic*

**Williams, Hywel C.**

FRCP, MSc, PhD  
 Professor of Dermato-Epidemiology, Centre of  
 Evidence-Based Dermatology, Nottingham University  
 Hospitals NHS Trust, Derby Road, Nottingham NG7  
 2UH  
 Author of  
 Chapter 6: *Epidemiology of Skin Disease*  
 Co-author of  
 Chapter 7: *Evidence-Based Dermatology*

**Wojnarowska, Fenella**

BM, BCh, DM(Oxon), FRCP  
 Professor of Dermatology, Department of  
 Dermatology, Churchill Hospital, Old Road,  
 Headington, Oxford OX3 7LJ  
 Co-author of  
 Chapter 40: *Immunobullous Diseases*

**Yates, Victoria M.**

MBChB, FRCP  
 Honorary Consultant Dermatologist, The  
 Dermatology Centre, Salford Royal NHS Foundation  
 Trust, Greater Manchester and Department of  
 Dermatology, Royal Bolton NHS Trust, Minerva  
 Road, Bolton BL4 0JR  
 Author of  
 Chapter 31: *Mycobacterial Infections*

**Young, Antony R.**

PhD  
 Professor of Experimental Photobiology, St John's  
 Institute of Dermatology, Division of Genetics and  
 Molecular Medicine, King's College School of  
 Medicine, King's College London, Guy's Hospital,  
 London SE1 9RT  
 Co-author of  
 Chapter 29: *Cutaneous Photobiology*

## Preface to the Eighth Edition

Just over forty years ago, the first edition of *Textbook of Dermatology* was published under the leadership of Arthur Rook, Darrell Wilkinson and John Ebling. Now designated *Rook's Textbook of Dermatology*, but known to many dermatologists as 'The Rook book', or simply 'Rook', it is in its eighth edition.

The editorial team that supervised compilation of the seventh edition has also been involved in preparation of the current edition. As always, we would like to express our gratitude to previous editors and contributors whose efforts have provided the framework upon which this book has expanded and continued to evolve over the years. We are also indebted to contributors to earlier editions who have generously allowed some of their material to be retained for the present edition, and to those colleagues who have donated colour photographs. The origin of these is given in the legend to each figure, and where no acknowledgement is given the figures have been provided by the authors of that chapter.

Our aim is to continue to provide an updated reference guide to dermatological diseases, and to encourage understanding of scientific aspects of dermatology, although the book is not intended to provide extensive details of research in the basic sciences. Nowadays there is electronic access to vast amounts of information,

but we believe that a reference textbook, which can be readily accessed in the clinic or consulting room, or perused at leisure in an armchair, continues to be a valuable resource.

For this edition, every chapter has been updated, and several have been extensively modified and expanded, including the chapters on comparative dermatology and radiotherapy and reactions to ionizing radiation. There is also a separate chapter on the sexually transmitted diseases. Changes to chapters dealing with lasers and dermatological surgery reflect developments in recent years, and a new chapter describing skin rejuvenation procedures is indicative of the interest in this aspect of dermatology.

We thank our long-suffering wives and families for their tolerance and support over many years.

We should also like to thank the production team of Wiley-Blackwell for their efforts throughout the preparation of this edition, in particular Julie Elliott, Martin Sugden, Anne Bassett, the indexer Caroline Sheard, and the copy editor and proof reader.

D.A. Burns  
S.M. Breathnach  
N.H. Cox  
C.E.M. Griffiths

# Preface to the First Edition

No comprehensive reference book on dermatology has been published in the English language for ten years and none in England for over a quarter of a century. The recent literature of dermatology is rich in shorter texts and in specialist monographs but the English-speaking dermatologist has long felt the need for a substantial text for regular reference and as a guide to the immense monographic and periodical literature. The editors have therefore planned the present volume primarily for the dermatologist in practice or in training, but have also considered the requirements of the specialist in other fields of medicine and of the many research workers interested in the skin in relation to toxicology or cosmetic science.

An attempt has been made throughout the book to integrate our growing knowledge of the biology of skin and of fundamental pathological processes with practical clinical problems. Often the gap is still very wide but the trends of basic research at least indicate how it may eventually be bridged. In a clinical textbook the space devoted to the basic sciences must necessarily be restricted but a special effort has been made to ensure that the short accounts which open many chapters are easily understood by the physician whose interests and experience are exclusively clinical.

For the benefit of the student we have encouraged our contributors to make each chapter readable as an independent entity, and have accepted that this must involve the repetition of some material.

The classification employed is conventional and pragmatic. Until our knowledge of the mechanisms of disease is more profound no truly scientific classification is possible. In so many clinical syndromes multiple aetiological factors are implicated. To emphasize one at the expense of others is often misleading. Most diseases are to some extent influenced by genetic factors and a large proportion of common skin reactions are modified by the emotional state of the patient. Our knowledge is in no way advanced by classifying hundreds of diseases as genodermatoses and dozens as psychosomatic.

The true prevalence of a disease may throw light on its aetiology but reported incidence figures are often unreliable and incorrectly interpreted. The scientific approach to the evaluation of racial and environmental factors has therefore been considered in some detail.

The effectiveness of any physician in practice must ultimately depend on his ability to make an accurate clinical diagnosis. Clinical descriptions are detailed and differential diagnosis is fully discussed. Histopathology is here considered mainly as an aid to diagnosis but references to fuller accounts are provided.

The approach to treatment is critical but practical. Many empirical measures are of proven value and should not be abandoned merely because their efficacy cannot yet be scientifically explained. However, many familiar remedies old and new have been omitted either because properly controlled clinical trials have shown them to be of no value or because they have been supplanted by more effective and safer preparations.

There are over nine hundred photographs but no attempt has been made to provide an illustration of every disease. To have done so would have increased the bulk and price of the book without increasing proportionately its practical value. The conditions selected for illustrations are those in which a photograph significantly enhances the verbal description. There are a few conditions we wished to illustrate, but of which we could not obtain unpublished photographs of satisfactory quality.

The lists of references have been selected to provide a guide to the literature. Important articles now of largely historical interest have usually been omitted, except where a knowledge of the history of a disease simplifies the understanding of present concepts and terminology. Books and articles provided with a substantial bibliography are marked with an asterisk.

Many of the chapters have been read and criticized by several members of the team and by other colleagues. Professor Wilson Jones, Dr R.S. Wells and Dr W.E. Parish have given valuable assistance with histopathological, genetic and immunological problems respectively. Many advisers, whose services are acknowledged in the following pages, have helped us with individual chapters. Any errors which have not been eliminated are, however, the responsibility of the editors and authors.

The editors hope that this book will prove of value to all those who are interested in the skin either as physicians or as research workers. They will welcome readers' criticisms and suggestions which may help them to make the second edition the book they hope to produce.