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.
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, BCir, 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
## Contents

### Contributors, ix

Predict to Eighth Edition, xv

Predict 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. Gewery & A.J. Cant

18 Nevi 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

### 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
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, Honorary 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, 9485 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 Erythrodema
Chapter 43: Rosacea, Pernial 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
Flynn, Paul D.
PhD, FRCP, MRCPI
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, Tremena 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, FCPE
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, MRCPath, 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, FRCP
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 55: HIV and the Skin

Graham-Brown, Robin A.C.
BSc, MB, BS, FRCP, FRCPCH
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, FRCP, 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, MFDRCSI, 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, FRCP, MRCPI
Consultant Dermatologist, Department of Dermatology, Clatterbridge Hospital, Bebington, Wirral CH63 4JY
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 Bacterially 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 W1J 6EF
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
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, FRCPCH
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 9RE and Consultant 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: Lentigo, 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 2BB
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
MB, MD, PhD, MDS, MRCS, BSc, FDSRCS, FDSRCP, FFDRCSI, FDSRCE, FRCPass, FMedSci, FHEA, FUCN, 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, FRCPass, FRCP, FRCPce
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–60149, 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, FRCSI, 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, RCPSG, 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.