

# **LIGHT AND X-RAY TREATMENT OF SKIN DISEASES**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649188260

Light and x-ray treatment of skin diseases by Malcolm Morris & S. Ernest Dore

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd.  
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

[www.triestepublishing.com](http://www.triestepublishing.com)

**MALCOLM MORRIS & S. ERNEST DORE**

**LIGHT AND X-RAY  
TREATMENT OF  
SKIN DISEASES**



MODERN METHODS OF TREATMENT

LIGHT AND X-RAY TREATMENT  
OF SKIN DISEASES

***OTHER WORKS IN THIS SERIES***

**SERUMS, VACCINES, AND TOXINES IN  
TREATMENT AND DIAGNOSIS**

By Wm. Cecil Bosanquet, M.A., M.D. (Oxon.),  
F.R.C.P. Lond., Assistant Physician to Charing  
Cross Hospital. 78s. 6d.

**THE OPEN-AIR TREATMENT OF  
PULMONARY TUBERCULOSIS**

By F. W. BURTON-FANNING, M.D. Camb.,  
Physician to the Norfolk and Norwich Hospital,  
Honorary Visiting Physician to the Kelling Open-  
air Sanatorium. With Charts and Figures. 5s.

**ORGANOTHERAPY: OR TREATMENT BY  
MEANS OF PREPARATIONS OF VARIOUS  
ORGANS**

By H. BATTY SHAW, M.D. (Lond.), F.R.C.P.,  
Lecturer in Therapeutics, University College, Lon-  
don, Assistant Physician to University College  
Hospital, etc. 6s.

CASSELL & CO., LTD., London.  
Paris, New York, Toronto, and Melbourne.

15K  
M

# LIGHT AND X-RAY TREATMENT OF SKIN DISEASES

BY

(Sir) MALCOLM MORRIS, F.R.C.S. ED.

*Dermatologist to King Edward the Seventh's  
Hospital for Officers, Surgeon to the Skin  
Department of the Seamen's Hospital, Con-  
sulting Surgeon to the Skin Department of  
St. Mary's Hospital*

AND

S. ERNEST DORE, M.D. CANTAB.

*Assistant in the Skin Department  
of the Middlesex Hospital*

WITH TWELVE PLATES

218507  
21:6:27

CHICAGO  
W. T. KEENER & CO.

1907

# CONTENTS

	PAGE
INTRODUCTION . . . . .	1

## CHAPTER I

### LIGHT TREATMENT: PRINCIPLES, TECHNIQUE, AND THERAPEUTIC EFFECTS

Definition—Principles—Microscopical changes in tissues caused by light—Pathological changes in the skin produced by the actinic rays—Bactericidal properties of light—The Finsen lamp—The Finsen-Reyn lamp—Other lamps—Preparation of the patient—Fixing of the compressor—Time of exposure—The reaction—Constitutional effects—Effects on the eyes and on the nasal mucous membrane—Advantages—Disadvantages—Unfavourable conditions—Reinforcement of the treatment—Therapeutic results—London Hospital statistics . . . . .	7
---	---

## CHAPTER II

### X-RAY TREATMENT: PRINCIPLES AND TECHNIQUE

Principles of the treatment—Effects upon the tissues—Pathological action—Action of X-rays on bacteria—Choice and care of tubes—Protection of the patient—Instruments of measurement—The radiogenometer—Distance of the tube from the patient—Details of exposure—Duration and frequency of application . . . . .	24
--	----



## CHAPTER III

PAGE

X-RAY TREATMENT (*concluded*): THERAPEUTIC EFFECTS

- Is reaction necessary?—Idiosyncrasy—Variability of the reaction—Physiological and pathological factors—Technical factors—General effect of the rays—Therapeutic advantages—Disadvantages—Diseases treated by the rays . . . 39

## CHAPTER IV

## RADIUM AND HIGH-FREQUENCY CURRENTS

- Effects of radium on healthy skin—Radium in malignant disease and in lupus vulgaris—Disadvantages of radium. High frequency. Local applications General applications—Results of its use in 250 cases of skin affections . . . 48

## CHAPTER V

## TREATMENT OF LUPUS VULGARIS

- Light treatment of lupus—X-ray treatment—Effect of the rays upon mucous membranes—Their palliative use—Tendency to relapse after ray treatment—Sequelæ of severe reaction—Microscopical changes in lupus after radiotherapy—Selection of method for treatment of lupus . . . . . 55

## CHAPTER VI

## TREATMENT OF LUPUS VULGARIS: CASES AND RESULTS

- Cases in which light treatment alone was used—Cases in which it was combined with radiotherapy—Summary of authors' results . . . . . 65

## CONTENTS

ix

### CHAPTER VII

PAGE

#### TREATMENT OF LUPUS ERYTHEMATOSUS

- X-ray treatment—Treatment with light and high-frequency currents—Authors' case treated with light and high frequency—Another treated with light alone . . . . . 89

### CHAPTER VIII

#### TREATMENT OF RODENT ULCER

- Sequeira's results—Microscopical changes under X-rays—Efficacy of radiotherapy in rodent ulcer—Selection of method—Cases treated by X-rays, by light, by light and X-rays, and by light, X-rays, radium, and operation—Summary of authors' results . . . . . 95

### CHAPTER IX

#### X-RAY TREATMENT OF OTHER NEW GROWTHS, MALIGNANT AND BENIGN

- Carcinoma: Results and prospects—Application to deep-seated cancers—Dosage—Histological changes. Sarcoma—Paget's disease—Mycosis fungoides—Cheloid—Hypertrichosis—Nevus—Cutaneous warts . . . . . 115

### CHAPTER X

#### X-RAY TREATMENT OF RINGWORM

- Sabouraud's results—Single or multiple exposures?—The pastille method—Precautions before treatment—Difficulties of the treatment—Epilation of the whole scalp—Varying the method of procedure—Epilation and regrowth—Incomplete epilation—Re-infection—After-treatment—Complications—Authors' results . . . . . 128

## CHAPTER XI

PAGE

## TREATMENT OF VARIOUS OTHER AFFECTIONS

Acne—Alopecia areata—Eczema—Favus—Furunculosis—Hypertrophic scars—Indolent ulcers and wounds—Leprosy—Pruriginous dermatoses—Psoriasis—Seborrhoides—Sinuses and fistulae—Sycosis—Xanthoma . . . . .	140
BIBLIOGRAPHY . . . . .	155
INDEX . . . . .	169