
CORNEAL DISEASES AND MANAGEMENT IN THE PEDIATRIC POPULATION

Series Editor

Burcu KAZANCI

©2024 Corneal Diseases and Management in the Pediatric Population

ISBN: 978-625-98719-4-3

All rights reserved. Pursuant to Law No. 5846 and 2936 on Intellectual and Artistic Works; The rights of printing, publishing and sales of this book belong to MediHealth Academy Publishing without the permission of the corporation all or parts of the book may not be reproduced, printed or distributed by mechanical, electronic, photocopying, magnetic paper and/or other methods. Tables, figures and graphics cannot be used for commercial purposes without permission. The responsibility of the pictures and information used in the sections belongs to the author(s) of that section.

Editor

Burcu KAZANCI

Publisher

MediHealth Academy

Project Coordinator

Meryem YAVUZ
(MediHealth Academy)

Graphic-Design

Çiğdem YÜCEL
(MediHealth Academy)

Edition-Volume

Ankara Özgür Matbaacılık Basım Yayın Dağ. San. Tic. A.Ş.
1250. Cadde No: 25 Ostim OSB Yenimahalle / Ankara
Certificate Number: 46821



Address: SBÜ Teknoloji Geliştirme Merkezi (SBÜ TEKMER) Gülhane Yerleşkesi
Emrah Mah. General Dr. Tevfik Sağlam Cad. No: 2/67, İç Kapı No: 101
Keçiören, Ankara, Türkiye
Phone: +90 532 061 96 80

e-mail: mha@medihealthacademy.com
www.medihealthacademy.com

Contents

Chapters	i
Contributors	iii
Preface	v
About MediHealth Academy and Thanks to.....	vii

CHAPTERS

Chapter 1 Dry Eye and Management in Pediatric Population	1
Chapter 2 Management of Keratitis in Pediatric Population.....	9
Chapter 3 Keratopathies and Management in Pediatric Population	27
Chapter 4 Corneal Ectasia and Management in Pediatric Population.....	35
Chapter 5 Corneal Dystrophies in Pediatric Population and Management	47
Chapter 6 Corneal Degenerations and Management	59
Chapter 7 Metabolic Keratopathies in Pediatric Population and Management.....	63
Chapter 8 Congenital Anomalies of Cornea and Globus in Pediatric Population and Management	71
Chapter 9 Contact Lens Fitting in Pediatric Population	83
Chapter 10 Keratoplasty Applications in Pediatric Population.....	91
Index.....	103

Contributors

Ali KELEŞ

*Department of Ophthalmology, Faculty of Medicine,
Bilecik Şeyh Edebali University, Bilecik, Türkiye*

Ayşe TÜFEKÇİ BALIKÇI

*Department of Ophthalmology, Ankara Training
and Research Hospital, University of Health Sciences,
Ankara, Türkiye*

Burcu KAZANCI

*Department of Ophthalmology, Ankara Etlik City
Hospital, Ankara, Türkiye*

Burcu YÜCEKUL

*Department of Ophthalmology, Haseki Training and
Research Hospital, University of Health Sciences,
İstanbul, Türkiye*

Büşra Dilara YILDIRIM ERDAL

*Department of Ophthalmology, Ankara Etlik City
Hospital, Ankara, Türkiye*

Esra DAĞ ŞEKER

*Department of Ophthalmology, Ankara Bilkent City
Hospital, Ankara, Türkiye*

Hande Hüsniye TELEK

*Department of Ophthalmology, Dışkapı Yıldırım
Beyazıt Training and Research Hospital, University of
Health Sciences, Ankara, Türkiye*

Mustafa Salih KARATEPE

*Department of Ophthalmology, Faculty of Medicine,
Sivas Cumhuriyet University, Sivas, Türkiye*

Neslihan BAYRAKTAR BİLEN

*Department of Ophthalmology, Ankara Bilkent City
Hospital, Ankara, Türkiye*

Osman ÇELİKAY

*Department of Ophthalmology, Dışkapı Yıldırım
Beyazıt Training and Research Hospital, University of
Health Sciences, Ankara, Türkiye*

Şule BARMAN KAKİL

*Department of Ophthalmology, Kırıkhan State
Hospital, Hatay, Türkiye*

Preface

Dear Colleagues,

Technology development offers rapid changes and innovations in the medical world. Considering that it is important to follow this success in the pediatric age group, which constitutes a large part of the human population, we aimed to prepare a book with updated information.

The results of our investigations: Although many valuable and important books published internationally in the field of corneal and ocular surface diseases are kept, there are not enough books that contain isolated corneal and ocular surface diseases that are common only in pediatric departments. With the contributions of these valuable authors, we aimed to obtain current developments in the epidemiology, pathogenesis, risk factors, growth, clinical diagnosis, and treatment of corneal and ocular surface diseases in pediatric patients. We attempted to prepare a very comprehensive book with many subheadings under the main title "Corneal Diseases and Management in the Pediatric Population." This book will show whether it is helpful not only for ophthalmologists but also for pediatricians in terms of the ophthalmological problems they may encounter.

I would like to thank Prof. Mehmet Çıtırık, who offered and developed the idea of writing a book for the pediatric age group, and the valuable authors who wrote chapters in the preparation of this book and shared their experiences in their fields with us. I would like to express my gratitude to all editors and staff of the publishing house.

Editor
Assoc. Prof. Burcu KAZANCI
Ankara, 2024

About MediHealth Academy and Thanks to

Dear Readers,

The MediHealth Academy is an Ankara-based independent publisher managed by academics of medical origin, with more than 20 years of academic background. The expert team collaborated with university lecturers and the academic community to produce book projects. The mission of the publisher is to lead journals containing high-scientific-value articles in the fields of medicine and health sciences to capture the diversity of regional and international articles and citations.

The main interest of MediHealth Academy Publishing is in scientific publications. Within the body of the MediHealth Academy, many books will both contribute to the scientific literature and guide the problems faced by experts in that field in daily practice, and book projects. The aim of the books and book chapters pioneered by the MediHealth Academy is to contribute to a high scientific value by preparing a subject in an area that lacks scientific knowledge.

We hope that this book series, which addresses ophthalmology in a certain age group and includes diseases and treatments of certain parts of the eye, will be useful to all readers. We will continue to support book projects that shed light on science.

MediHealth Academy Publishing
Ankara, Turkiye

