GENERAL CONCEPTS IN OPHTHALMOLOGY IN THE PEDIATRIC POPULATION, VISION LOSS, COMORBIDITIES AND LOW VISION APPROACH

Series Editor Mevlüt YILMAZ



ISBN: 978-625-94280-9-3

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

Mevlüt YILMAZ

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, Turkiye Phone: +90 532 061 96 80 e-mail: mha@medihealthacademy.com www.medihealthacademy.com

Contents

Chapters	i
Contributors	iii
Preface	
About MediHealth Academy and Thanks to	
Though the full frequency and thanks to the first second s	

CHAPTERS

Chapter 1	Concepts and Definitions in Pediatrics	1
-	The Pediatric Demographic Status and Epidemiology in Turkiye and the World	
Chapter 3	Incidence and Prevalence of Ophthalmological Diseases in Pediatric Population	15
Chapter 4	Low Vision and Rehabilitation in Pediatric Population	29
Chapter 5	Problems Associated with Vision Loss in Pediatric Population	35
Chapter 6	Comorbidities and Management in Pediatric Population	43
	Index	49

Contributors

Ali KÜÇÜKÖDÜK

Department of Ophthalmology, Karaman Training and Research Hospital, Karaman, Turkiye

Fuat YAVRUM

Department of Ophthalmology, Faculty of Medicine, Alanya Alaaddin Keykubat University, Antalya, Turkiye

Furkan Fatih GÜLYEŞİL

Department of Ophthalmology, Siirt Training and Research Hospital, Siirt, Turkiye

Mevlüt YILMAZ

Department of Ophthalmology, Ankara Etlik City Hospital, Ankara, Turkiye

Neslişah KUTLU UZAKGİDER

Department of Ophthalmology, Tepecik Training and Research Hospital, İzmir, Turkiye

Özge Hikmet KÜÇÜKÖDÜK

Department of Pediatrics, Private Practice Physician, Karaman, Turkiye

Zübeyde AYDIN BAŞEKİM

Department of Ophthalmology, Private Fuar Hospital, Afyonkarahisar, Turkiye



Dear Colleagues,

Approaching ocular diseases in the pediatric population requires not only scientific knowledge and skills but also social skills, such as effective communication and management of the child's interest.

Ocular diseases in the pediatric population and comorbid conditions associated with these diseases differ from those in adults. In addition, the approach to a child with low vision requires not only the rehabilitation of the child himself/herself but also of his/her family and environment. Pediatric ocular diseases have several unique characteristics. It is among the most important responsibilities of ophthalmologists to protect the eye health of our future children and to develop social approach skills for children with low vision.

This book has been carefully prepared by experts in the field and aims to provide the most up-to-date scientific data on approaches to ocular diseases in the pediatric patient group, comorbid conditions, and approaches to children with low vision, combined with clinical practice examples.

I would like to thank my colleagues and valuable members of the Medihealth Academy for their devoted and diligent work in writing and preparing this book for publication. I hope that this book will be useful to you and my esteemed colleagues, not only theoretically but also in terms of practical applications.

With my sincerest regards.

Editor Assoc. Prof. Mevlüt YILMAZ 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