Textbook of Infection Control Essentials

Edited by: Dr Motilal C Tayade

MBBS, MD, PhD, ACME

Department of Physiology, Rural Medical College Pravara Institute of Medical Sciences (DU) Loni, India -413736



Medicocity (OPC) Pvt Ltd (India)



ISBN: 978-81-963672-8-2

Copyright © author - Dr Motilal Tayade, 2023

Edition: First Edition, July 2023

Title: Textbook of Infection Control Essentials

Author: Dr Motilal Tayade Edited by: Dr Motilal Tayade

First Edition: July 2023

Price: Rs 950

Place of Publication: Nasik (India)

Design and Graphics: Miss Pratibha Karandikar Front Page Design: Miss Pratibha Karandikar

Published by: Medicocity (OPC) Pvt Ltd, Nashik, Maharashtra Distributed by: Medicocity (OPC) Pvt Ltd, Nashik, Maharashtra

Printed by: PODS, Mumbai

All rights reserved. No part of this book may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or any information storage and retrieval system without permission, in writing, from the author and the publisher. Such written permission must also be obtained before any part of this publication is stored in a retrieval system of any nature. Breach of this condition is liable for legal action.

The views and opinions expressed in this book are solely those of the original contributors/authors and do not necessarily represent those of editor of the book.

Every effort has been made to obtain permission to reproduce copyrighted content. If any has been inadvertently overlooked, the publisher will be pleased to make the necessary arrangement at the first opportunity.

All legal matters are to be settled under Nasik, Maharashtra (India) Jurisdiction only.



Printed by PODS Printers, 7, Mahakali Marg, Andheri, Mumbai And Published by Dr Motilal Tayade, 404, Business word, Near Sagar Sweets, Govindnager, New Link Road, Nashik – 422009 (Maharashtra) India.

Website: www.medicocity.in

Email: contactijbamr@gmail.com / drtayademet@gmail.com

Associate Editors:

Dr Tungikar SL Head & Professor in Medicine Pravara Institute of Medical Sciences (DU) Loni

Dr Dilip Apurkar Head & Professor in Surgery Pravara Institute of Medical Sciences (DU) Loni

Dr Bangal VB Head & Professor in OBGY Pravara Institute of Medical Sciences (DU) Loni

Dr Badhe Vaijayanti Head & Professor in Anesthesiology Pravara Institute of Medical Sciences (DU) Loni

Dr Rahul Kunkolol Head & Professor in pharmacology Pravara Institute of Medical Sciences (DU) Loni

Dr Roushani S B Head & Professor in Microbiology Pravara Institute of Medical Sciences (DU) Loni

Dr Kathore VR Head & Professor in Physiology Pravara Institute of Medical Sciences (DU) Loni

Dr Mohan Pawar Head & Professor in FMT Pravara Institute of Medical Sciences (DU) Loni

Content

Book chapter title	Author Name
1. Introduction to Infection Control	Dr Roushani SB
2. Microbiology Fundamentals for Infection Control	Dr. (Ms) Bhalerao D.S.
3. Chain of Infection: Understanding Transmission	Dr. (Mrs) Vaidya A.S.
4. Infection Control Precautions and Standard Practices	Dr. Jain S.M.
5. Hand Hygiene and Personal Protective Equipment	Dr. Rajhans V. V.
6. Sterilization and Disinfection Techniques	Mr. Kulkarni S.G.
7. Environmental Cleaning and Decontamination	Dr. (Ms) Nair Anita
8. Surveillance and Outbreak Investigation	Dr. Badhe K. P.
9. Vaccine-Preventable Infections and Immunization	Dr.(Mrs) Bangal S.V.
10. Infection Control in Healthcare Settings	Dr. (Mrs) Nigwekar S.P.
11. Infection Control in the Community	Dr. Chavan W.M.
12. Emerging Infectious Diseases and Pandemic	
Preparedness	Dr. Tupe P.N.
13. Antibiotic Stewardship and Antimicrobial Resistance	Dr. Bhandari A.J.
14. Infection Control in Special Populations (e.g., Pediatrics,	
Elderly)	Dr. (Mrs) Jadhav J.P.
15. Legal and Ethical Aspects of Infection Control	Dr. Motilal Tayade
16. Infection Control in Dental and Oral Healthcare	Dr Sourabh Joshi
17. Infection Control in Surgical and Operating Room	
Settings	DR Pawar M.N.
18. Infection Control in Long-Term Care Facilities	Dr Farooqui J.M.
19. Infection Control in Home Healthcare	Dr Buktar S.B.
20. Infection Control in Emergency and Disaster Situations	Dr Herode P.G.
21. Infection Control in Food Service and Hospitality	Dr Somani A.M.
22. Infection Control in Educational Institutions	Dr Ghorpade K. N.
23. Infection Control in Laboratory and Research Settings	Dr Tambe D.A.
24. Infection Control in Travel Medicine and Public Health	Dr Sanap A.D.
25. Occupational Health and Infection Control for	
Healthcare Workers	Dr Girme A.S.
26. Infection Control in Pediatric Healthcare	Dr Badhe K. P.
27. Infection Control in Obstetrics and Gynecology	Dr Bangal S.V.
28. Global Perspectives on Infection Control and Disease	
Prevention	Dr Nigwekar S.P.