
SEXUALLY TRANSMITTED DISEASES

SECOND EDITION

Editors

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Per-Anders Mårdh

P. Frederick Sparling

Paul J. Wiesner

Willard Cates, Jr.,

Stanley M. Lemon

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PREFACE

The subject of this text has changed enormously since the first edition was published 5 years ago. Major new fields of study have arisen dealing with human immunodeficiency virus (HIV) infections, human papillomavirus (HPV) infections, and behavioral intervention strategies to prevent the spread of sexually transmitted disease. Some of the most important fundamental advances in biomedical research are being made in studies of the immunology of AIDS, the molecular virology of HIV and HPV, and the pathogenicity of *Neisseria gonorrhoeae*. Newer diagnostic techniques, based on use of the polymerase chain reaction, offer previously unimaginable levels of sensitivity for the detection of sexually transmitted viruses. The theoretical tenets of health education and behavioral intervention, developed in programs for prevention of unhealthy behaviors that result in heart disease, cancer, teenage pregnancy, and addictions, are now being challenged and tested as never before in efforts to prevent high risk sexual behaviors. The continued epidemic spread of HIV and many other STDs in selected indigent and poorly educated populations now far exceeds the capacity of public clinics and public health systems to cope with all aspects of the problem. This situation dictates continuing re-prioritization of public health

programs, reevaluation of the efficacy of traditional approaches to disease intervention, and development of innovative cost-effective approaches to STD prevention, diagnosis, and treatment. This is especially true in developing countries, which represent three quarters of the world's population, where the focus must be on health education and on development and use of appropriate, inexpensive technologies for STD control. The hope must be that continued investigation into the molecular pathogenesis of HIV and other STDs will lead ultimately to the development of inexpensive and effective vaccine strategies.

The goal of this text is to present a comprehensive and thoroughly referenced analysis of the sexually transmitted diseases by internationally recognized leaders in this field. We have encouraged authors to present a global perspective which considers the STD problem in both the industrial and the developing world. Thirty entirely new chapters have been added to the contents of the first edition; all of the chapters retained from the first edition have been updated, and most have been extensively revised. New or reorganized sections include a section containing 10 chapters dealing with STDs and reproductive health and pediatrics; 10 chapters dealing with guidelines for clinicians for diagnostic testing for STDs; and 12 new chapters concerning HIV infection. The color section and illustrations have also been considerably expanded. The book is intended to meet the needs of basic scientists, clinicians, and public health professionals who deal with STDs and AIDS.

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