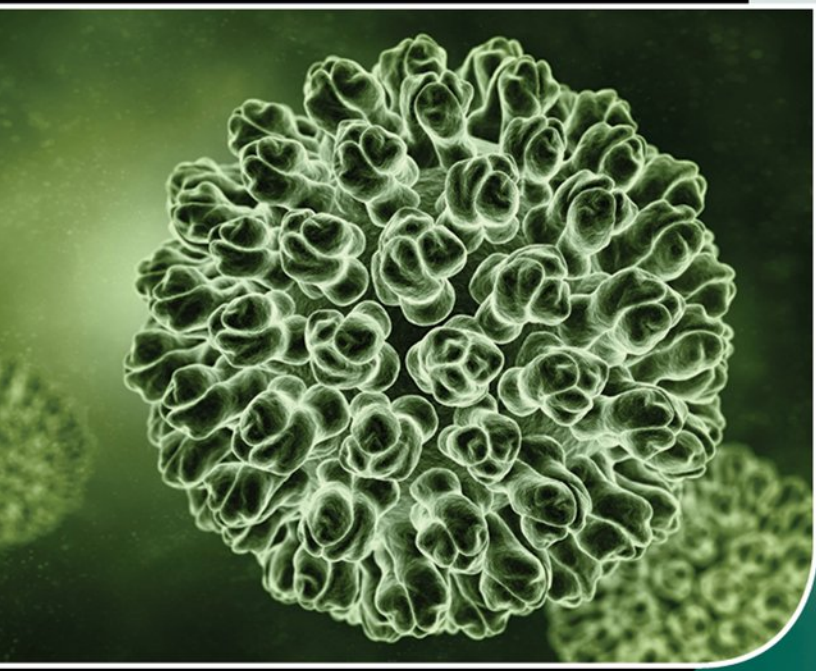


23rd Edition

CURRENT

Diagnosis & Treatment



Pediatrics

WILLIAM W. HAY JR. | MYRON J. LEVIN
ROBIN R. DETERDING | MARK J. ABZUG

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CURRENT

Diagnosis & Treatment

Pediatrics

TWENTY-THIRD EDITION

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Preface

The 23rd edition of *Current Diagnosis & Treatment: Pediatrics (CDTP)* features practical, up-to-date, well-referenced information on the care of children from birth through infancy and adolescence. CDTP emphasizes the clinical aspects of pediatric care while also covering important underlying principles. CDTP provides a guide to diagnosis, understanding, and treatment of the medical problems of all pediatric patients in an easy-to-use and readable format.

INTENDED AUDIENCE

Like all Lange medical books, CDTP provides a concise, yet comprehensive source of current information. Students will find CDTP an authoritative introduction to pediatrics and an excellent source for reference and review. CDTP provides excellent coverage of The Council on Medical Student Education in Pediatrics (COMSEP) curriculum used in pediatric clerkships. Residents in pediatrics (and other specialties) will appreciate the detailed descriptions of diseases as well as diagnostic and therapeutic procedures. Pediatricians, family practitioners, nurses, nurse practitioners, physician assistants, and other health care providers who work with infants, children, and adolescents will find CDTP a useful reference on management aspects of pediatric medicine.

COVERAGE

Forty-six chapters cover a wide range of topics, including neonatal medicine, child development and behavior, emergency and critical care medicine, and diagnosis and treatment of specific disorders according to major problems, etiologies, and organ systems. A wealth of tables and figures provides quick access to important information, such as acute and critical care procedures in the delivery room, the office, the emergency room, and the critical care unit; anti-infective agents; drug dosages; immunization schedules; differential diagnosis; and developmental disorders.

NEW TO THIS EDITION

The 23rd edition of CDTP has been revised comprehensively by the editors and contributing authors. A major effort involved reducing the length of the book by 10% by condensing text into tables, eliminating wordy text, and updating references. New references as well as up-to-date and useful websites have been added, permitting the reader to consult original material and to go beyond the confines of the textbook. As editors and practicing pediatricians, we have tried to ensure that each chapter reflects the needs and realities of day-to-day practice.

CHAPTERS WITH MAJOR REVISIONS INCLUDE:

- 3 Child Development & Behavior
- 6 Eating Disorders
- 7 Child & Adolescent Psychiatric Disorders & Psychosocial Aspects of Pediatrics
- 9 Ambulatory & Office Pediatrics
- 10 Immunization
- 14 Critical Care
- 15 Skin
- 17 Oral Medicine & Dentistry
- 19 Respiratory Tract & Mediastinum
- 21 Gastrointestinal Tract
- 22 Liver & Pancreas
- 23 Fluid, Electrolyte, & Acid Base Disorders
- 24 Kidney and Urinary Tract

- 25 Neurologic & Muscular Disorders
- 26 Orthopedics
- 31 Neoplastic Disease
- 32 Pain Management & Pediatric Palliative & End-of-Life Care
- 33 Immunodeficiency
- 37 Genetics & Dymorphology
- 38 Allergic Disorders
- 41 Human Immunodeficiency Virus Infection
- 42 Infections: Bacterial & Spirochetal
- 43 Infections: Parasitic & Mycotic

CHAPTER REVISIONS

The 23 chapters that have been extensively revised, with new authors added in several cases, reflect the substantially updated material in each of their areas of pediatric medicine. Especially important are updates to the chapters on immunizations, endocrinology, neurologic and muscular disorders, and critical care. The chapter on HIV includes current guidelines for prevention and treatment of HIV and updates information on the new antiretroviral therapies that have become available. The chapter on immunizations contains the most recently published recommendations, discusses the contraindications and precautions relevant to special populations, and includes the new vaccines licensed since the last edition of this book. Chapters on skin, immunodeficiency, and neoplastic disease are markedly updated with the latest information. All laboratory tables in Chapter 46 Pediatric Laboratory Medicine and Reference Ranges that includes reference ranges and reference intervals have been updated. All other chapters are substantially revised and references have been updated. Nineteen new authors have contributed to these revisions.

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Selected Highlighted Topics in the 23rd Edition of CDT-P

The **Newborn Infant** chapter includes the new 2015 Neonatal Resuscitation Program (NRP) Guidelines for Neonatal Resuscitation.

The **Child Abuse & Neglect** chapter includes the use of nucleic acid amplification tests to diagnose sexually transmitted diseases in prepubertal children evaluated for sexual abuse.

The **Immunization** chapter includes new discussions about how HPV vaccination can prevent cancer, how a newer HPV vaccine protects against additional HPV types, and new discussion about how most parents in the United States choose to vaccinate their children (in 2013, < 1% of young children received no vaccines). Although parents' concerns about vaccines are on the rise, an increasing number of parents are choosing to delay or decline vaccination for their children.

The **Poisoning** chapter includes new recommendations for evaluation and treatment for common ingestions and exposures in the pediatric population, including pharmaceuticals, household products, and designer drugs.

The **Skin** chapter includes the use of propranolol for infantile hemangiomas.

The **Eye** chapter describes how instrument-based vision screening is a novel means of detecting vision-threatening amblyogenic risk factors in preverbal, preliterate, and developmentally delayed children, and is endorsed by the American Academy of Pediatrics.

The **Oral Medicine & Dentistry** chapter includes preventive dental treatment (fluoride varnish) by physicians for high-risk populations.

The **Respiratory Tract & Mediastinum** chapter introduces the new cystic fibrosis drug, Orkambi.

The **Cardiovascular Diseases** chapter includes three-dimensional echocardiography as a new diagnostic addition to noninvasive evaluation of congenital heart disease.

The **Gastrointestinal Tract** chapter identifies the life-threatening impact of button batteries as startling and significant health care problem.

The **Liver & Pancreas** chapter identifies two new oral therapies that are available for children with chronic hepatitis B: entecavir for children 3 years or older and tenofovir for children 12 years or older.

The **Hematologic Disorders** chapter notes that hydroxyurea therapy is now recommended for all children with sickle cell anemia or sickle β -thalassemia.

The **Immunodeficiency** chapter describes the use of genetic testing in the evaluation of children with immunodeficiency and states of immune dysregulation.

The **Endocrine Disorders** chapter includes the use of recombinant alkaline phosphatase (asfotase alfa) for the treatment of hypophosphatasia and how it has revolutionized therapy for this disorder.

The **Genetics & Dymorphology** chapter includes information on microarray testing and whole exome sequencing.

The **Antimicrobial Therapy** chapter includes information on antimicrobial stewardship.

And many more!