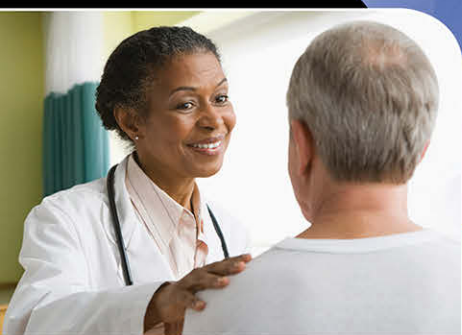


# CURRENT

## Medical Diagnosis & Treatment



# 2018

MAXINE A. PAPADAKIS

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# 2018

# CURRENT Medical Diagnosis & Treatment

FIFTY-SEVENTH EDITION

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ISBN: 978-1-25-986149-9

MHID: 1-25-986149-X.

The material in this eBook also appears in the print version of this title: ISBN: 978-1-25-986148-2,

MHID: 1-25-986148-1.

eBook conversion by codeMantra

Version 1.0

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# Preface

*Current Medical Diagnosis & Treatment 2018 (CMDT 2018)* is the 57th edition of this single-source reference for practitioners in both hospital and ambulatory settings. The book emphasizes the practical features of clinical diagnosis and patient management in all fields of internal medicine and in specialties of interest to primary care practitioners and to subspecialists who provide general care.

Our students have inspired us to look at issues of race and justice, which surely impact people's health. We have therefore reviewed the content of our work to ensure that it contains the dignity and equality that every patient deserves.

## INTENDED AUDIENCE FOR CMDT

House officers, medical students, and all other health professions students will find the descriptions of diagnostic and therapeutic modalities, with citations to the current literature, of everyday usefulness in patient care.

Internists, family physicians, hospitalists, nurse practitioners, physician assistants, and all primary care providers will appreciate *CMDT* as a ready reference and refresher text. Physicians in other specialties, pharmacists, and dentists will find the book a useful basic medical reference text. Nurses, nurse-practitioners, and physician assistants will welcome the format and scope of the book as a means of referencing medical diagnosis and treatment.

Patients and their family members who seek information about the nature of specific diseases and their diagnosis and treatment may also find this book to be a valuable resource.

## NEW IN THIS EDITION OF CMDT

- Substantial revision of acute and chronic (cancer and noncancer) pain management and benefits and risks of opioid use
- New chapter on Lesbian, Gay, Bisexual, & Transgender Health
- New recommendations for initial empiric antibiotic treatment for hospital-acquired and ventilator-associated pneumonia
- New discussion of physician-assisted death
- New Table outlining criteria to rule out pulmonary embolism
- 2016 CHEST Guideline and Expert Panel Report detailing anticoagulation treatment recommendations in patients with cancer and noncancer diagnoses
- New categorization of pressure injuries (formerly pressure ulcers)
- New treatment recommendations from American College of Cardiology/American Heart Association and the European Society of Cardiology for patients who have heart failure with reduced ejection fraction
- Rewritten section on occlusive cerebrovascular disease
- Rewritten section on shock
- New information on treatments for chronic lymphocytic leukemia and Hodgkin lymphoma
- Updated treatment options for plasma cell myeloma (formerly multiple myeloma)
- New FDA-approved medication for *Clostridium difficile* infection
- Updated treatment options for hepatitis C infection
- New FDA-approved medications for ulcerative colitis and Crohn disease
- New pharmacologic treatment for hormone receptor-positive breast cancer
- Rewritten section on attention-deficit/hyperactivity disorder
- New section on autism spectrum disorder
- Extensive revision of Endocrine Disorders chapter
- Updated recommendations for preexposure prophylaxis of HIV infection
- Substantial revision of the Viral & Rickettsial Infections chapter
- New antiemetic combination medication for chemotherapy-induced nausea
- New therapy options for castration-resistant prostate cancer
- New FDA-approved medication for bladder cancer



## OUTSTANDING FEATURES OF CMDT

- Medical advances up to time of annual publication
- Detailed presentation of primary care topics, including gynecology, obstetrics, dermatology, ophthalmology, otolaryngology, psychiatry, neurology, toxicology, urology, geriatrics, orthopedics, women's health, preventive medicine, and palliative care
- Concise format, facilitating efficient use in any practice setting
- More than 1000 diseases and disorders
- Annual update on HIV/AIDS and other newly emerging infections.
- Specific disease prevention information
- Easy access to medication dosages, with trade names indexed and costs updated in each edition
- Recent references, with unique identifiers (PubMed, PMID numbers) for rapid downloading of article abstracts and, in some instances, full-text reference articles

CMDT Online ([www.AccessMedicine.com/CMDT](http://www.AccessMedicine.com/CMDT)) provides full electronic access to *CMDT 2018* plus expanded basic science information and seven additional chapters. The seven online-only chapters (Anti-Infective Chemotherapeutic & Antibiotic Agents, Diagnostic Testing & Medical Decision Making, Information Technology in Patient Care, Integrative Medicine, Podiatric Disorders, Women's Health Issues, and Appendix: Therapeutic Drug Monitoring & Laboratory Reference Intervals, & Pharmacogenetic Testing) are available at [www.AccessMedicine.com/CMDT](http://www.AccessMedicine.com/CMDT). CMDT Online is updated throughout the year and includes an expanded, dedicated Media Gallery as well as links to related Web sites. Subscribers also receive access to *Diagnosaurus* with 1000+ differential diagnoses, *Guide to Diagnostic Tests*, *Quick Medical Diagnosis & Treatment*, and *Current Practice Guidelines in Primary Care*.

## ACKNOWLEDGMENTS

We wish to thank our associate authors for participating once again in the annual updating of this important book. We are especially grateful to Alicia Y. Armstrong, MD, MHSCR, Kevin C. Worley, MD, R. Anthony Orden, MD, Melissa C. Clark, MD, Nina Babu, DPM, and Sanjay Reddy, MD who are leaving *CMDT* this year. We have all benefited from their clinical wisdom and commitment.

Many students and physicians also have contributed useful suggestions to this and previous editions, and we are grateful. We continue to welcome comments and recommendations for future editions in writing or via electronic mail. The editors' e-mail addresses are below and author e-mail addresses are included in the Authors section.

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From inability to let alone; from too much zeal for the new and contempt for what is old; from putting knowledge before wisdom, and science before art and cleverness before common sense; from treating patients as cases; and from making the cure of the disease more grievous than the endurance of the same, Good Lord, deliver us.

—Sir Robert Hutchison

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