MERCH MANUAL

MEDICAL INFORMATION



HOME EDITION

The world's most widely used medical reference—
now in everyday language

DOCKET A L A R M

Find authenticated court documents without watermarks at docketalarm.com.

MERCK MANUAL

OF

MEDICAL INFORMATION

HOME EDITION





MERCK MANUAL

OF

MEDICAL INFORMATION

HOME EDITION



Robert Berkow, M.D., EDITOR-IN-CHIEF

Mark H. Beers, M.D., Associate Editor

Robert M. Bogin, M.D., Senior Assistant Editor and Editor, Electronic Versions

Andrew J. Fletcher, M.B., B.Chir., Senior Assistant Editor

Editorial Board

Lawrence K. Altman, M.D.
Susan J. Blumenthal, M.D., M.P.A.
Philip K. Bondy, M.D.
Preston V. Dilts, Jr., M.D.
Douglas A. Drossman, M.D.
L. Jack Faling, M.D.
Eugene P. Frenkel, M.D.

Glen O. Gabbard, M.D.
Robert A. Hoekelman, M.D.
Gerald L. Mandell, M.D.
Edwina A. McConnell, R.N., Ph.D.
Fred Plum, M.D.
G. Victor Rossi, Ph.D.
Paul H. Tanser, M.D., F.R.C.P.(C)

Published by

MERCK RESEARCH LABORATORIES

Division of

Merck & Co. .nc.



Editorial and Production Staff

Executive Editor

Keryn A.G. Lane

Senior Staff Editor

William J. Kelly

Senior Staff Editor

Susan T. Schindler

Design Director

Lynn Foulk

Illustrator

Michael Reingold

Indexer Ann Cassar

Production Editor

Debra G. Share

Textbook Production Coordinator

Diane C. Zenker

Medical Textbook Coordinator

Dorothy A. Bailey

Executive Assistant

Diane C. Bobrin

Publisher Gary Zelko

Advertising and Promotional Supervisor Pamela J. Barnes

Library of Congress Catalog Number 96-080494 ISBN 0911910-87-5

> First Printing—July 1997 Second Printing—October 1997 Third Printing—March 1998

Copyright © 1997 by Merck & Co., Inc.

All rights reserved. No part of this book may be reproduced or used in any form or by any means, electronic or mechanical, including photocopying, or by any information storage and retrieval system, without permission in writing from the Publisher. Inquiries should be addressed to The Merck Manuals Department, P.O. Box 4, Merck & Co., West Point, PA 19486.

Printed in the United States of America





Special Note to Readers

The authors, reviewers, editors, and publisher have made extensive efforts to ensure that treatment information is accurate and conforms to the standards accepted at the time of publication. However, constant changes in information resulting from continuing research and clinical experience, reasonable differences in opinions among authorities, unique aspects of individual situations, and the possibility of human error in preparing such an extensive text require that the reader exercise judgment when making decisions and consult and compare information from other sources. In particular, the reader is advised to discuss information obtained in this book with a doctor, pharmacist, nurse, or other health care practitioner.

DOCKET

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

