

ELSEVIER
SAUNDERS

1600 John F. Kennedy Blvd.
Ste 1800
Philadelphia, PA 19103-2899

ANDREOLI & CARPENTER'S CECIL ESSENTIALS OF MEDICINE
INTERNATIONAL EDITION

ISBN: 978-1-4377-1899-7
ISBN: 978-0-323-29617-5

Copyright © 2016 by Saunders, an imprint of Elsevier Inc.

No part of this publication 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 publisher. Details on how to seek permission, further information about the Publisher's permissions policies and our arrangements with organizations such as the Copyright Clearance Center and the Copyright Licensing Agency, can be found at our website: www.elsevier.com/permissions.

This book and the individual contributions contained in it are protected under copyright by the Publisher (other than as may be noted herein).

Notices

Knowledge and best practice in this field are constantly changing. As new research and experience broaden our understanding, changes in research methods, professional practices, or medical treatment may become necessary.

Practitioners and researchers must always rely on their own experience and knowledge in evaluating and using any information, methods, compounds, or experiments described herein. In using such information or methods they should be mindful of their own safety and the safety of others, including parties for whom they have a professional responsibility.

With respect to any drug or pharmaceutical products identified, readers are advised to check the most current information provided (i) on procedures featured or (ii) by the manufacturer of each product to be administered, to verify the recommended dose or formula, the method and duration of administration, and contraindications. It is the responsibility of practitioners, relying on their own experience and knowledge of their patients, to make diagnoses, to determine dosages and the best treatment for each individual patient, and to take all appropriate safety precautions.

To the fullest extent of the law, neither the Publisher nor the authors, contributors, or editors, assume any liability for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions, or ideas contained in the material herein.

Previous editions copyrighted 2010, 2007, 2004, 2001, 1997, 1993, 1990, 1986 by Saunders, an imprint of Elsevier Inc.
Library of Congress Cataloging-in-Publication Data

Andreoli and Carpenter's Cecil essentials of medicine / editor-in-chief,
Ivor J. Benjamin, editors, Robert C. Griggs, Edward J. Wing,
J. Gregory Fitz.—9th edition.

p. ; cm.

Cecil essentials of medicine

Essentials of medicine

Includes bibliographical references and index.

ISBN 978-1-4377-1899-7 (pbk. : alk. paper)

I. Title Benjamin, Ivor J., editor. II. Griggs, Robert C., 1939- , editor. III. Wing, Edward J., editor.

IV. Fitz, J. Gregory, editor. V. Title: Cecil essentials of medicine. VI. Title: Essentials of medicine.

[DNLN: 1. Internal Medicine. WB 115]

RC46

616-dc23

2014049765

Senior Content Strategist: James Merritt
Content Development Manager: Taylor Ball
Publishing Services Manager: Patricia Tannian
Project Manager: Amanda Mincher
Design Specialist: Paula Catalano

Printed in China

Last digit is the print number: 9 8 7 6 5 4 3 2 1



Working together
to grow libraries in
developing countries

www.elsevier.com • www.bookaid.org